# THE CYPRUS INSTITUTE OF NEUROLOGY & GENETICS

2006-2011

# The Cyprus Institute of Neurology & Genetics

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# INTRODUCTION

The Cyprus Institute of Neurology and Genetics ("CING", "Institute") was established in 1990 as a bi-communal, non-profit, private, academic, medical center with the aim of providing specialized services, advanced research and postgraduate education in the areas of Neurology, Genetics, Biomedical, Medical and other similar and related Sciences.

Mission of CING is to offer high level clinical and laboratory services, carry out advanced research programs and provide postgraduate education in the areas of Neurology, Genetics, Biomedical, Medical and other similar and related Sciences. CING's main aim is the improvement and upgrade of the quality of life of Cypriot citizens, irrespective of ethnicity and religion, and the strengthening of its international role.

Vision of CING is to function as the National Center of Excellence and the Regional Referral Center in the areas mentioned above.

For the achievement of its mission, CING has established the following Clinical Sciences Clinics and Biomedical Sciences Departments:

- Clinical Genetics Clinic
- Neurology Clinics A, B, C, D and E
- Department of Biochemical Genetics
- Department of Cardiovascular Genetics and Laboratory of Forensic Genetics
- Department of Cytogenetics and Genomics
- Department of Electron Microscopy/Molecular Pathology
- Department of Molecular Genetics, Function and Therapy
- Department of Molecular Genetics Thalassaemia
- Department of Molecular Virology
- Department of Neurogenetics

CING is housed in its own purpose-built premises made up of an area of 10.000m² and is equipped with the latest high-tech laboratory and clinical equipment. The personnel of CING consists of 156 individuals, 40 of whom are holders of MD and PhD titles in the fields of Neurology, Genetics and Biomedical Sciences.

CING has the largest and most technologically developed research infrastructure in Cyprus and the neighboring area in the areas of its specialization, and has been organized and staffed according to European and International Standards.

## Specialized services

The Institute provides clinical and laboratory medical services to all doctors, clinics and hospitals in the Government and private sector as well as forensic services to the Government and private sector. The services provided by the Departments and Clinics of the Institute cover a broad spectrum of specialized tests and examinations in the fields of neurology, genetics and other related areas.

Indicatively, the number and value of services provided during the period 2006 up to 30 June 2011 are as follows:

- 2006: 62.332, €4.826.759 (2.822.666 CYP)
- 2007: 63.784, €5.615.618 (3.285.688 CYP)
- 2008: 63.541, €5.982.392 (3.498.475 CYP)
- 2009: 76.381, €7.518.277 (4.396.653 CYP)
- 2010: 81.613, €8.089.762 (4.730.855 CYP)
- 1 January 2011 – 30 June 2011: 37.653, €4.316.735 (2.524.406 CYP)

CING has established collaborations with centers and universities of the neighboring area and provides diagnostic services as a Regional Referral Center.

All services provided by CING are accredited or follow quality controls, assuring the provision of high standard of services.





## Advanced scientific research

### Research Grants

Research grants have been secured from funding organizations in Cyprus and abroad, such as:

- The Muscular Dystrophy Association (USA)
- Association Francaise Contre Les Myopathies (France)
- European Commission 5$^{th}$, 6$^{th}$ and 7$^{th}$ Framework
- National Multiple Sclerosis Society (USA)
- The Wellcome Trust (UK)
- Glaxo Smith Kline Pharmaceutical Company (UK)
- Middle East Cancer Consortium (MECC)
- UNOPS (United Nations)
- Merck, Sharp & Dome (USA)
- Anastasios G. Leventis Foundation (Cyprus)
- Muscular Dystrophy Campaign (UK)
- Human Frontiers Science Programme (Japan)
- Research Promotion Foundation (Cyprus)

- Planning Bureau (Cyprus)

The total amount of research grants obtained during the years 2006 up to 30 June 2011, as well as the total amount of research grants running during the above mentioned period are as follows:

| | OBTAINED | | No. | RUNNING | | No. |
|---|---|---|---|---|---|---|
| | EURO | CYP | | EURO | CYP | |
| **2006** | 2.060.000 | 1.204.678 | 23 | 4.238.000 | 2.478.363 | 55 |
| **2007** | 358.600 | 209.708 | 7 | 3.850.000 | 2.251.462 | 49 |
| **2008** | 552.000 | 322.807 | 14 | 3.640.000 | 2.128.655 | 48 |
| **2009** | 3.185.000 | 1.862.573 | 21 | 5.365.000 | 3.137.427 | 49 |
| **2010** | 243.000 | 142.105 | 4 | 4.615.000 | 2.698.830 | 41 |
| **1 Junuary 2011-30 June 2011** | 1.076.000 | 629.240 | 10 | 4.667.504 | 2.729.535 | 29 |

### Results of research grants

The results of the successful completion of research programs are depicted in the number of publications in scientific journals. From 2006 up to 30 June 2011, the number of publications is as follows:

- 2006: 33 peer reviewed articles
- 2007: 27 peer reviewed articles
- 2008: 31 peer reviewed articles
- 2009: 26 peer reviewed articles
- 2010: 29 peer reviewed articles
- 1 January 2011 – 30 June 2011: 36 peer reviewed articles

### International research collaborations

CING has established more than 100 international research collaborations with universities and research institutes abroad. Moreover, CING collaborates with significant academic centres abroad for the completion of research and postgraduate educational programs.

### Awards

During the period 2006 up to 30 June 2011, 28 national and international awards have been granted to scientific papers, through scientific organizations such as the Research Promotion Foundation, Panhellenic Endocrinology Society, Panhellenic Pediatric Society, Cyprus Medical Association, European Science Foundation, European Union Networks of Excellence and others.

## Academic Activities

### Postgraduate education

During the period 2006 up to 30 June 2011, 9 doctoral theses resulting in the award of the PhD title were completed at CING. PhD students are supervised in CING

Departments or Clinics (external institution) and receive their degree from a collaborating University (primary degree awarding institution). Currently, other 19 doctoral theses for the acquisition of the PhD title are in progress. CING has been recognized for the completion of doctoral work from a number of Universities, such as the Universities of Cyprus; Athens, Thessaloniki, and Ioannina in Greece; Imperial College, University of Nottingham, University of Bristol and University of London in the UK, and many others for the development of doctoral theses.

### Training in Clinical Neurology

A substantial number of Neurologists from Cyprus and abroad have completed their specialization training at CING and continue specialising in Clinical Neurology and Electromyography.

Furthermore, we established a training program at CING for the acquisition of the year (1) year medical speciality in Neurology. The program is approved and accredited by the Greek and the Cyprus Ministry of Health.

### Degree education

CING has been recognized by universities in Greece and other European countries for the completion of the final thesis of graduate and post-graduate students. During the period 2006 to 30 June 2011, 8 final theses (resulting in the award of the MSc) have been completed and 8 are in progress. CING provides three-month period up to two years education and specialization to graduate students, doctors and scientists from Cyprus and abroad in specialized fields of genetics.

### Organization of lectures and scientific conferences/courses

During the period 2006 to 30 June 2011, CING organized 55 lectures. The lectures are recognised by the Cyprus Medical Association with the granting of units/merit points of Continuous Medical Education. Also, CING has organized and co-organize with other institutions more than 50 scientific conferences.

### CING recognition

Since 2004 CING has been recognized by the European School of Genetics Medicine as a regional centre of education in the sector of Medical Genetics. Up to now, 8 European congresses have been organized at the CING under the umbrella of the European School of Genetics Medicine.

## Incubator Development

CING has also proceeded, in collaboration with Intercollege in Cyprus, with the development of a Business Incubator so as to be in line with the current perception of Centers of Excellence in relation to the utilization and commercial usage of research.

The above activities at CING indicate the significant work that is carried out in the sectors of Neurology and Genetics, which is comparable with a considerable number of academic institutions in Europe.

## CING in Cyprus and worldwide

At a national level, CING is playing a leading part in Cyprus in the sectors of Medical and Biomedical Sciences. It has introduced and applied with great success clinical and laboratory services, as well as national programs in the sectors of Neurology, Genetics, Biomedical, Medical and other related or similar Sciences. It is widely recognized that CING is making a major contribution to society and the quality of life of Cypriot citizens.

CING receives international recognition and can play an active and essential role in the new national strategy for Cyprus, becoming a regional centre for the provision of high standard of services, advanced research and education.

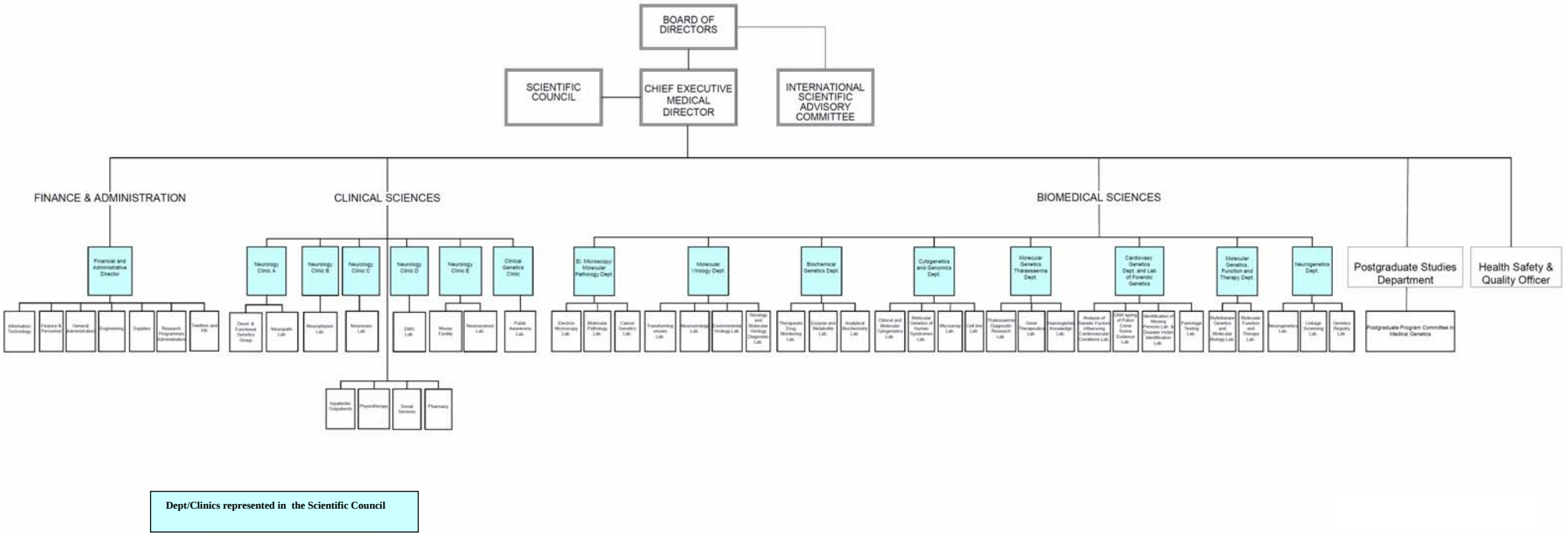
Today, CING obtains the majority of competitive grants of the country and provides the most competitive and pioneering biomedical research. In the international scientific and medical areas, the Institute enjoys international recognition for the research programs it carries out. The activities of CING, such as organization of international congresses, lecture presentations, research proposals, scientific publications, growth of research collaborations and awards, place Cyprus high on the international scientific map.

It is considered today to be the most advanced tertiary medical academic centre in our country, as it provides education and training to doctors, scientists and paramedical personnel. In the neighbouring region, CING is playing a leading part in the organization of regional congresses, educational and research programs with countries of the European Union, Middle East and Eastern Europe. Also, many countries of the region seek collaboration and refer patients for medical services to CING, even if this aspect has not been marketed at all.

CING has available appreciable human potential, laboratory infrastructure unique for Cyprus, excellent relations and collaborations with countries of the Middle East, Northern Africa, Europe and America, and enjoys international fame and recognition.

CING is one of the very few innovative organisations in Cyprus that developed a critical mass and contributes actively in the research and development of new knowledge. CING has all the conditions available that will allow it to undertake a fundamental role in the application of the new government policy.

# ORGANIZATIONAL CHART



# CHIEF EXECUTIVE MEDICAL DIRECTOR

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# BOARD OF DIRECTORS

| | |
|---|---|
| **President** | **Mr Phylactou Christos** (Cyprus Government representative) |
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| | **Mr Varoglu Ahmet** (Turkish-Cypriot representative) |
| **Vacant position** | (British Bases representative) |

# SCIENTIFIC COUNCIL

| | |
|---|---|
| **Chairman** | **Dr Patsalis C. Philippos**, BSc, MA, MPh, PhD, HCLD |
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| | **Dr Christodoulou G. Christina**, BSc, MSc, DEA, Dipl. Virol., PhD |
| | **Dr Christodoulou Kyproula**, BSc, MSc, PhD |
| | **Dr Christophidou Anastassiadou Violetta**, MD (in attendance) |
| | **Dr Drousiotou Anthi**, BSc, PhD, ARCSc |
| | **Mr Flouros Marios**, BSc, MHA, FCA |
| | **Dr Kleanthous Marina**, BSc, PhD |
| | **Dr Kleopa A. Kleopas**, MD |
| | **Dr Kyriacou Kyriacos**, BSc, PhD, FRMSoc |
| | **Dr Kyriakides Theodoros**, MB, ChB, BSc (Hons), FRCP (Lon) |
| | **Dr Pantzaris Marios**, MD |
| | **Dr Papacostas Savvas**, MD |
| | **Dr Zamba Papanicolaou Eleni**, MD |



# THE DEPARTMENTS

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## FINANCE & ADMINISTRATION

## CLINICAL SCIENCES

- CLINICAL GENETICS CLINIC
- NEUROLOGY CLINIC A
- NEUROLOGY CLINIC B
- NEUROLOGY CLINIC C
- NEUROLOGY CLINIC D
- NEUROLOGY CLINIC E

## BIOMEDICAL SCIENCES

- DEPARTMENT OF BIOCHEMICAL GENETICS
- DEPARTMENT OF CARDIOVASCULAR GENETICS & LABORATORY OF FORENSIC GENETICS
- DEPARTMENT OF CYTOGENETICS & GENOMICS
- DEPARTMENT OF ELECTRON MICROSCOPY/MOLECULAR PATHOLOGY
- DEPARTMENT OF MOLECULAR GENETICS, FUNCTION & THERAPY
- DEPARTMENT OF MOLECULAR GENETICS THALASSAEMIA
- DEPARTMENT OF MOLECULAR VIROLOGY
- DEPARTMENT OF NEUROGENETICS

# FINANCE & ADMINISTRATION

**Financial and Administrative Director, Flouros Marios, BSc, MHA, FCA**
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The Finance and Administration Department is responsible for the financial and administrative matters of the Institute. Its mission is to support the service, research and education activities of the Institute through the provision of high quality administrative services to all the spectrum and levels of the Institute hierarchy, its patients and the public. The Finance and Administration Department comprises of seven sections:

- General Administration
- Finance and Personnel
- Supplies
- Engineering
- Information Technology
- Research Programmes Office
- Telethon and PR

# CLINICAL SCIENCES

# CLINICAL GENETICS CLINIC

**Head, Dr Christophidou Anastasiadou Violetta, MD**
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Clinical Genetics is the specialized service offered to people who are affected by or who may be at risk for a genetic condition. Clinical Genetics aims to assist patients and/or families achieve the best possible quality of life and reproductive option.

At the Cyprus Institute of Neurology and Genetics (CING), the Clinical Genetics Department offers diagnostic assessment, management/ treatment and genetic counselling for the whole spectrum of genetic conditions. Patients are referred from the entire island for any reason of referral which suggests a genetic aetiology or predisposition such as congenital anomalies or malformations, mental retardation, developmental delay or regression, abnormal growth pattern, vision or hearing deficiency, family history indicative of an inherited trait or pathology, multiple cancers or early onset cancers, multiple miscarriages and others. As a result we manage patients with several genetic conditions such as chromosomal aberration syndromes (eg Down syndrome, Williams syndrome), single gene disorders (eg achondroplasia, Marfan syndrome, neurofibromatosis), mitochondrial diseases, multifactorial conditions (eg spina bifida, hereditary cancer syndromes), hereditary metabolic conditions (e.g. Tay Sacs Disease etc) and prenatal exposure syndromes (e.g. Fetal Alcohol Syndrome). We also provide cancer genetic counselling to individuals and/or families who have or are at risk of inheriting genetic susceptibility to hereditary cancer syndromes.

The process of genetic counselling involves not only the exchange of information relating to the genetic disorder and relevant laboratory results but also supportive counselling. The clinical genetics team consists of a clinical geneticist, two genetic counsellors and a genetics nurse. Clinics are held both at the CING and the Archbishop Makarios III hospital in Nicosia. Families are referred by a variety of health and other professionals (such as psychologists, speech therapists etc) as well as self-referrals.

A major contribution of the department is our academic activity extended both locally and internationally. We have been invited and taught at the European Genetics Foundation, School for Medical Genetics for the last ten years on Genectic Couselling in Practice. These courses are attended by post graduate students from all over the world. Local activities include education in medical genetics of other professionals (e.g. medical residents, nurses,

university students, speech therapists, physiotherapists, educational physiologists) working mainly in the field of health and education. Also we provide public education regarding genetics and patient's rights surrounding this subject.

The department serves as a reference centre for the whole of the island. A genetic registry exists which is used for epidemiological data regarding the incidence and frequency of specific genetic disorders in Cyprus.

# NEUROLOGY CLINIC A

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## Services provided

- Clinical evaluation of patients referred from Government neurologists with an emphasis on neuromuscular disease (ALS, Duchenne muscular dystrophy, other myopathies and neuropathies), multiple sclerosis, neurodegenerative and neurogenetic disorders. Since 2002, the Familial Amyloidosis neuropathy clinic is run once a month.
- Inpatient evaluation and treatment of patients as required.
- In charge of only neuropathology lab which handles muscle and nerve biopsies.

## Research Interests

- The study of the effect of complement C1Q on disease phenotypeTTRMet30 peripheral neuropathy using a variety of transgenic mouse models.
- The study of modifier genes in disease severity in Multiple sclerosis.
- The study of reactive oxidative species in the pathophysiology of Duchenne muscular dystrophy.
- An investigation of apoptosis as disease mechanism in mitochondrial encephalomyopathies.
- Participation in multicentre observation studies of patients with Multiple sclerosis and TTRMet30 peripheral neuropathy.

## Educational activities

- Training psychiatry residents in neurology at CING.
- Organization and participation of workshops in the EFNS.
- Chairman of the European Federation of Neurological Societies (EFNS) Task force on setting guidelines on how to investigate pauci/asymptomatic hyperCKemia.
- Chairman of the European Federation of Neurological Societies (EFNS) Task force on setting guidelines on role of Muscle biopsy in the investigation of myalgia.

- Senior Lecturer at St Georges Medical School (UNIC), Convenor of Life Control Module.

### Administrative activities

- Clinical coordinator

# NEUROLOGY CLINIC B

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Neurology Clinic B provides tertiary medical care to patients with neurological disorders and other neurogenetic and genetic illnesses (epilepsy, sleep disorders, movement disorders, Alzheimer's disease, and other neurodegenerative disorders as well as behavioral problems that result from brain disease) that require specialized diagnosis and treatment.

The medical care includes follow up appointments and, when necessary, admission to the neurological ward. The inpatient ward includes 12 beds and has 24-hour nursing and physician coverage. Furthermore, the Clinic provides specialized laboratory diagnostic services in neurophysiology, including 24-hour Video-EEG recordings for the evaluation and diagnosis of paroxysmal disorders such as epilepsy (see below). Physiotherapy services are also provided to patients with disabling disorders. The social services (on site and at home) also provide advice and support to patients and their families. The Clinic also uses the services of orthopedic, respiratory, cardiology, gastroenterology and endocrinology clinics for a more comprehensive care of patients. A psychologist, speech pathologist, and a dietician are available on a weekly basis. These services are offered to all clinics of the Clinical Sciences Section.



## Epilepsy Clinic

Epilepsy affects 1% of the population in most countries. In Cyprus there are estimated to be 5.000 to 6.000 epileptics. The Epilepsy Clinic provides tertiary care for drug resistant patients. With the help of video/EEG monitoring patients that do not suffer from epilepsy (25% of all patients referred) are identified. An alternative diagnosis is given and the patient is spared from unnecessary long-term anti-epileptic medications. Furthermore, another 10% of epileptics that are amenable to curative surgery are identified. Currently there is a collaborative program with the Epilepsy Surgery Center at the University of Rochester, NY as well as other European Centers, and the Neurosurgery Department at Nicosia General Hospital, where patients are referred for surgery. Surgery may involve resection of the epileptic focus, or implantation of a Vagus Nerve Stimulator.

In the remaining patients with drug resistant epilepsy, new novel drugs and other therapies are introduced. Tertiary care for epileptics is also available to patients from surrounding countries.

### Dementia Clinic

Dementia is rapidly becoming a major cause of disability in the ageing population of Cyprus. With the availability of new therapies in neurodegenerative diseases accurate diagnosis and management is essential. The Dementia Clinic is a tertiary referral centre and has access to a neuropathology lab.

The Clinical Sciences Section examines, investigates and treats more than 8.500 patients annually with a steadily increasing number of referrals.

### Clinical Neurophysiology laboratory

The Clinical Neurophysiology laboratory serves the needs of the clinics in providing diagnostic facilities for the investigation of central and peripheral nervous system disorders. For example multimodal evoked potentials are performed on patients with suspected multiple sclerosis; electroencephalography and Video-EEG is used to evaluate epileptic and other paroxysmal disorders. In addition, we routinely perform sleep studies for the evaluation of sleep disorders as well as Multiple Sleep Latency Tests to evaluate excessive daytime sleepiness, narcolepsy and other related conditions. The laboratory is also involved in research to develop new or improved neurodiagnostic methods for various neurological disorders.

### Research interests

The current research areas in Clinic B are as follows:

- Drug trials for the treatment of Epilepsy.
- Investigation of genetic factors in the development of epileptic conditions.
- Demographic and genetic risk factors associated with Alzheimer's disease and dementia.
- Quality of Life in Epilepsy and issues of neuropsychological performance.
- Neurophysiology of developing intelligence in school-age children.
- Brain mapping and signal analysis from sensory organs.
- Psychiatric disorders in epilepsy.
- Neurocognitive and biomarker studies in aging.
- Development of epilepsy in multiple sclerosis.
- Epidemiologic and risk factor studies on sudden unexpected death in epilepsy.
- Dementia burden on carers and in the model of social change.
- Multimodal analysis of physiological predictors of epileptic seizures.
- MRI analysis in Creutzfeldt-Jakob disease.
- European surveillance of Creutzfeldt-Jakob disease.

# NEUROLOGY CLINIC C

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Neurology Clinic C has been established since 1995 at the Cyprus Institute of Neurology and Genetics (CING). The functional orientation of the Clinic, as all other Clinics at the CING covers the area of service, research and education.

The Clinic follows over almost 1000 patients with Multiple Sclerosis with access to outpatient, inpatient, neurophysiology and physiotherapy facilities, swallowing evaluation and therapy, psychological support and full services of the social worker office. Up to date drug therapy, including administration of corticosteroids, interferons, chemotherapy (like mitoxantrone) and the newer monoclonal antibodies is supervised and given by the Clinic's personnel.

A lot of patients with Parkinson Disease (PD) are followed by the Clinic and since 2004 a highly specialized Clinic for presurgical evaluation and surgical treatment in PD has been established and with the cooperation with specialized centers abroad more than 25 PD patients have been offered Deep Brain Stimulation (placement of stimulating electrodes within the subthalamic nuclei within the brain controlled by a neurostimulator placed under the skin in upper anterior thoracic area). All patients are followed and stimulators are externally controlled and adjusted by a trained neurologist for DBS-operated patients.

The Clinic has established and functions a specialized neurovascular laboratory where it offers diagnostic services in the area of the extracranial and intracranial arteries, transcranial monitoring for emboli detection and CO2 reactivity tests for the study of the cerebral arterial supply reserves. All the above tests help clarify the pathogenesis of stroke and help to define the best medical or surgical treatment of cerebrovascular diseases.

The Neurology Clinic C has extensively been involved and published together with several university affiliates in research programmes in the area of the qualitative analysis of ultrasound images of atherosclerotic plaques of the carotid artery bifurcation and their relationship to stroke, quantitative and qualitative analysis of

the intema and media layers of the carotid artery wall and their relationship to future events and the analysis of magnetic resonance images of patients with multiple sclerosis and the prognosis of the disease.

The Clinic participates in phase III and post-marketing phase IV clinical trials and has designed and executed a big clinical trial concerning the use of fatty acids and vitamins in patients with relapsing Multiple Sclerosis.

### Research Interests

Development of databases for epidemiological and clinical data for Multiple Sclerosis and Stroke.

Development of automated computer programmes to identify and evaluate the arterial wall thickness and plaque delination in carotid atherosclerotic disease.

Qualitative study of the carotid wall changes and carotid atherosclerotic plaques and the evaluation of future events (stroke and carotis stenosis).

Quantitative and qualitative study of the demyelinating plaques in the brain and the evaluation of prognostic factors in Multiple Sclerosis prognosis.

Use of special combination of fatty acids and vitamins in the treatment of relapsing multiple sclerosis

### Research Activities

Video segmentation and motion analysis of the atherosclerotic carotid plaque in ultrasound images (VISEMA), In collaboration with Cyprus College and University of Cyprus, Funded by RPF 2006-2007.

Nutrition Supplements in Multiple Sclerosis (MS) Supplement Project (MS Project)
Principal Investigator: M. Pantzaris, Ministry of Commerce, Industry and Tourism,
Program for the creation of New High Technology and Innovation Enterprises through the Business Incubator, 2007-2009.

Quantitative and qualitative analysis of Brain magnetic resonance images white matter lesions in Multiple Sclerosis subjects, in Collaboration with Universities of Cyprus and Nicosia, Funded by RPF, 2008-2011.

Real time Wireless Transmission of Medical Ultrasound Video, University of Cyprus, 2008-2011.

Study of evaluation of genes in the prognosis of multiple sclerosis severity, Funded by Genesis Pharma Cyprus Grand, 2009-2011.

Evaluating genes in Benign Multiple Sclerosis, Funded by RPF 2011-2012.

# NEUROLOGY CLINIC D

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Neurology Clinic D provides outpatient clinic services in the fields of neurogenetic diseases including Spino Cerebellar Ataxias (SCA), Friedreich's Ataxia, Charcot-Marie-Tooth Polyneuropathies (CMT), Huntington's disease, Myotonic Dystrophy and Spinal Muscular Atrophy (SMA). These services also cover a number of neuromuscular disease patients including Myasthenia Gravis (MG) and Motor Neuron Disease (MND). A special Botulinum Toxin treatment clinic is offered to a number of patients with focal dystonias and spasticity.

The Clinic functions the EMG Laboratory. The EMG laboratory provides services for the investigation of the peripheral nervous system including neuropathies, rediculopathies, plexopathies, myopathies and neuromuscular junction defects. Some of the services are Nerve Conduction Studies, Blink Reflex, Jaw Jerk Reflex, Masseter Inhibitory Reflex, Repetitive stimulation, Mixed nerve, Inching technique, Autonomic testing, H-reflex, Electromyography, Quantitative EMG, Single fibre EMG.

### Research Interests

Neurology Clinic D is interested and involved in a number of research projects on neurogenetic diseases. Our interest is the inherited diseases of our population, but we have also worked in a number of projects involving neigburhouring populations. The clinical description, the investigation of the families and patients, the neurophysiologic evaluation and the genotype/phenotype correlations were our main contributions in these projects. In our research interests are including:

- Charcot-Marie-Tooth polyneuropathies.
- Spino Cerebellar Ataxias.
- Hereditary motor neuronopathy type Jerash, FSHD.
- Spinal Muscular Atrophy.
- Friedreich's Ataxia.
- Huntington's disease.

## Education activities

- Neurology Clinic D is involved in the neurology residence training. A neurology resident from the University of Athens completed 6 months from her education in our clinic. A number of students (secondary education) are observing the work of our clinic every year as part of their week experience program.
- EMG laboratory is offering every year summer experience in Neuroscience field students mainly from UK.

# NEUROLOGY CLINIC E

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Neurology Clinic E provides specialized services for a broad spectrum of neurological disorders focusing on neuromuscular disorders and electromyography. The Clinic provides care for outpatients and inpatients with myasthenia gravis, inherited and acquired peripheral neuropathies and myopathies, motor neuron disease, and other degenerative, autoimmune and metabolic neurological diseases, including inherited and acquired demyelinating disorders of the peripheral and central nervous system. We also perform regularly nerve conduction studies and electromyography for adults and children.

The Clinic includes the Neuroscience Laboratory that focuses on translational and basic neuroscience research and is exclusively funded by external grants, as well as the Mouse Facility at CING, which serves as a national core facility providing services to internal and external, or even international researchers.

## Neuroscience Laboratory

Our research group in the Neuroscience Laboratory has been active both in clinical as well as basic research with emphasis on translational aspects of neuroscience and generating models of neurological disease.

## Research Interests

- Generating cellular and animal models of inherited neuropathies: We have generated and published the first transgenic mice in Cyprus serving as models of inherited neuropathy and encephalopathy, and have been able to clarify the cellular mechanisms of the disease.
- Studying mechanisms of axonal degeneration in disease models of neuropathy.
- Generating disease models of multiple sclerosis: We have generated for the first time in Cyprus Experimental Autoimmune encephalomyelitis mouse models of Multiple Sclerosis, in order to study cellular and molecular mechanisms of the disease. We also use post-mortem human brain tissue to confirm these findings.

- Developing new therapeutic approaches with gene replacement for inherited neuropathies and leukodystrophies: we have just started a gene therapy project using lentiviral vectors to deliver genes to peripheral nerves and the central nervous system.
- Studying disorders of nerve and brain excitability: we have made significant contributions in the last 5 years in the clarification of antigenic targets that cause autoimmune limbic encephalitis, neuromyotonia and Morvan's syndrome.
- Investigating molecular mechanisms of neuronal dysfunction caused by ion channel and cell adhesion molecule defects.
- Clinical and genetic investigation of families with inherited neuropathies and other neurogenetic disorders.
- Clinical and epidemiological study of myasthenia in Cyprus and investigation of new treatments.

Most of his research projects are based on on-going collaborations with leading scientists at academic institutions in Europe and the USA, including the University of Pennsylvania, USA, Imperial College London and University of Oxford, UK, the University of Crete, Greece, and San Rafaelle Scientific Institute, Milan, Italy.

# BIOCHEMICAL GENETICS

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## Provision of Diagnostic services

The Department of Biochemical Genetics acts as a reference centre in Cyprus for the laboratory investigation and monitoring of inherited metabolic disorders (inborn errors of metabolism). It offers a wide spectrum of specialized biochemical tests (as shown below) using the most up-to-date technology, including HPLC, GC/MS and LC-MS/MS. The prompt diagnosis of inherited metabolic disorders allows for effective treatment, where possible, better management and prevention. In the twenty years of its operation the department has made many diagnoses which resulted in the prevention of death or mental retardation in newborns and children. The department has many collaborations with neighbouring countries including Greece, Lebanon and Jordan.

## Research Activities

The research programmes of the department are focused on the epidemiology of inherited metabolic disorders in Cyprus and neighbouring countries and their characterization at the biochemical and molecular level. Four disorders have been extensively studied so far: Sandhoff disease, GM1 Gangliosidosis, G-6-PD deficiency and Maple Syrup Urine Disease.

The Department is currently involved in the following projects:

## Epidemiology and molecular basis of galactosaemia in Cyprus

The objective of this study, which is funded by Telethon, is to determine the frequency of galactosaemia carriers in Cyprus and to characterize the mutations involved. A large number of blood samples have been collected from all areas of Cyprus. Carrier detection is performed by biochemical measurement of galactose-1-phosphate uridyl transferase activity in red blood cells. Those classified as carriers biochemically, as well as all other known/obligate carriers and patients with galactosaemia, are further analysed at the DNA level for the characterization of the

mutations involved. Preliminary results indicate that the P.Gln188Arg mutation, the most common mutation in European populations, is not found in Cyprus. A novel large deletion of 8489bp encompassing all exons of the *GALT* gene has been identified and is currently under investigation.

### The role of endoplasmic reticulum and oxidative stress in the pathogenesis of galactosaemia

The objective of this study, which is funded by the Cyprus Research Promotion Foundation, is to investigate the role of endoplasmic reticulum and oxidative stress in the pathogenesis of galactosaemia. Cell lines from Cypriot patients with galactosaemia will be subjected to a galactose challenge and monitored for ER stress, using marker genes such as ATF6, calnexin and XBP1, and appropriate proteins, as well as for oxidative stress by assessing mRNA and protein levels of SOD-2, catalase and TTase1. The postulated acceleration of apoptosis by both endoplasmic reticulum and oxidative stress will be monitored by the TUNEL assay. It is anticipated that the results of this study will contribute towards the elucidation of the pathogenic mechanisms involved in classical galactoseamia and facilitate the identification of novel sites for potential therapeutic intervention.

### The molecular basis of phenylalanine hydroxylase deficiency in Cyprus

A neonatal screening programme for phenylketonuria has been running in Cyprus for the last twenty years. Fourteen cases of hyperphenylalaninaemia were detected with no case of classical PKU. The objective of this study is to determine the mutations responsible for mild phenylketonuria and mild hyperphenylalaninaemia due to phenylalanine hydroxylase deficiency in the Cypriot population.

# CARDIOVASCULAR GENETICS & LABORATORY OF FORENSIC GENETICS

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The Laboratory of Forensic Genetics (LabFoG) of the Cyprus Institute of Neurology and Genetics (CING) uses state of the art DNA-based typing methodologies to study evidence from civil, criminal, mass disaster and missing persons investigations. Since 1995, the LabFoG has been examining crime scene evidence, submitted by the Cyprus Police Headquarters/Authorities, that require DNA analysis. Reports are prepared by the LabFoG and for a number of police cases, expert-witness testimony is provided, for the DNA findings, to the Cypriot Courts of Law. The LabFoG maintains the National Criminal DNA database for the Cyprus Police Authorities. In 1996, the Government of Cyprus assigned to the LabFoG the responsibility of collecting biological samples from the relatives of persons missing since the tragic events of 1958-1964 and 1974. DNA has been extracted from these samples and a DNA database has been generated that is currently used for the identification of skeletal remains of missing persons. In addition, the LabFoG also employs DNA profiling methodologies to carry out parentage testing using stringent ethical criteria.

The LabFoG is a Member of the European Network of Forensic Science Institutes DNA Working Group and undergoes external proficiency testing twice a year.

Research in the Department of Cardiovascular Genetics focuses on identifying genetic and environmental factors that contribute to the development of cardiovascular disease. In this field, the Department has developed diagnostic assays for thrombophilia and familial hypercholesteroleamia (FH). Studies in the genetic diagnosis of FH have led to the identification of genetic abnormalities that are associated with the geographical origin of Greek and Greek Cypriot FH patients. An epidemiological study carried out in Greek Cypriot males to identify risk factors that predispose to myocardial infarction, indicated the involvement of both environmental and genetic factors in the expression of this condition. In collaboration with Cape Town University, the Department has initiated studies to investigate the effect of a series of genes on athletic performance in ironman triathletes. The Department is currently in the process of developing high through-

put strategies for genotyping allowing it to pursue powerful genetic analyses. In close collaboration with the University of Cyprus and the Neurology Clinic at the CING, the Department is currently studying the APOE genotype in relation to other environmental and biological variables on neurocognitive diseases in different subgroups of the Cypriot population.

The LabFoG has recently completed a research project in the use of MALDI-TOF in forensic genetics and human diseases by the analysis of Single Nucleotide Polymorphisms (SNPs). Another research program which is currently running in the LabFoG is the analysis of secondary transfer of cells within the context of forensic case investigations.

The LabFoG provides basic and advanced education to the police officers who attend the Cyprus Police Academy in the recovery and analysis of DNA from crime scene evidence.

# CYTOGENETICS & GENOMICS

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The Department of Cytogenetics and Genomics provides diagnostic services, research as well as education in the area of Cytogenetics and Genomics. It is accredited by the College of American Pathologists (CAP) and meets the European quality control standards in Cytogenetics and Molecular Genetics. The Department consists of the following laboratories: Clinical & Molecular Cytogenetics, Molecular Genetics of Human Syndromes, Microarrays, and Cell Lines.



Chromosomal abnormalities are the cause of many human disorders and conditions, such as mental retardation, learning difficulty, autism, congenital abnormalities, infertility and miscarriages. Cytogenetics and molecular cytogenetics investigations play a significant role in the diagnosis, prognosis, treatment, and prevention of many human diseases. The Department of Cytogenetics and Genomics is therefore consistently at the forefront of the development and implementation of new tests. It provides a full range of Cytogenetics services including routine chromosomal diagnostics and molecular Cytogenetics (FISH) tests. In addition it also offers highly advanced molecular tests such as array-CGH (Comparative Genomic Hybridization) for the identification of subtle and submicroscopic copy number changes and QF-PCR (Quantitative Fluorescent-PCR) for the prenatal rapid diagnosis (24 hours) of Down syndrome and other chromosomal syndromes. Types of specimens processed include peripheral or fetal blood, amniotic fluid, chorionic villus sample (CVS), skin and products of conception. The Department also maintains the specialized facility for the establishment and cryopreservation of immortal cell lines of patients.

The Department of Cytogenetics and Genomics carries out very competitive research programs in the area of human genomics and publishes its scientific outcome in international peer review scientific journals. Research projects receive funding from the Cyprus Research Promotion Foundation, the $5^{th}$, $6^{th}$ and $7^{th}$ European Union Framework Programs (FPs) and other international organizations. The Department is involved in several research programs and has collaborators in Universities and Research Institutes in Europe and the US. The Department's research interest focuses mainly on mental retardation, its diagnosis and prevention. Through an FP6

research project, a non-invasive test for the diagnosis of Down syndrome from maternal blood ($11^{th}$- $14^{th}$ week of pregnancy) has been established which obviates the need for invasive procedures such as cvs or amniocentesis and does not carry any risk for miscarriage. This research was published in Nature Medicine and received worldwide recognition. Though another ongoing research project we performed in-depth investigation, using high resolution microarrays, of recurrent genetic conditions and syndromes linked to X-chromosome abnormalities identified the underlying mechanisms responsible for the disease development and inheritance. In addition we have also developed a specific array to detect microdeletions and microduplications in genes of the X chromosome which led to the identification of new genes involved in X-Linked Mental Retardation. This research received the The Cyprus Award for Innovation 2009 (Public Sector) from the Cyprus employers and industrialists federation.

The Department is involved in the provision of education by providing lectures and laboratory training to scientists, medical doctors and students. Furthermore, PhD students have graduated or are currently carrying out their doctoral degree.

### On-going Research Projects

- Development of Non-Invasive Prenatal Diagnosis for Down Syndrome and other chromosomal and genetic disorders.
- Application of high-resolution microarrays in prenatal diagnosis.
- Genomic investigation of syndromes linked to X-chromosome abnormalities and characterization of the underlying structural rearrangements and genetic mechanisms.
- Development of exon specific array for the detection of microdeletions and microduplications in genes of the chromosome X.
- Genetic investigation of patients with X-linked mental retardation.
- Genomic investigation and characterization of unknown and rare genetic and neurological syndromes in the Cyprus population with high resolution microarrays.
- Investigation and characterization of the clinical significance of Copy Number Variations in the human genome.
- Mapping of Copy Number Variations in the Cyprus population.
- High resolution genetic investigation of autism in Cyprus.

# ELECTRON MICROSCOPY/MOLECULAR PATHOLOGY

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## Diagnostic Services

The Department has the only electron microscope available in Cyprus. It offers an ultrastructural diagnostic service that aids the correct histopathological diagnosis of many diseases. These include: neuromuscular and kidney diseases, ciliary and skin disorders, as well as undifferentiated neoplasms. In addition the Department has established an extensive range of molecular tests that diagnose, genetic predisposition to common types of familial cancers. These include the BRCA1/2 genes that predispose to the breast/ovarian cancer syndrome, the APC gene that predisposes to FAP, as well as the mismatch repair genes that predispose to the HNPCC syndrome. In total more than 30 genes can be currently analyzed for familial cancer predisposition. In addition the department offers molecular analysis of certain key genes such as EGFR and K-ras, that are important for selecting the most appropriate therapy, for the targeted treatment of oncological patients.

## Research Interests

The main interest of the Department is in the Epidemiology and Molecular Genetics of Cancer and as such research programs focus on improving our understanding of the role of genes and environmental factors on cancer development. Our team is one of the leading National stakeholders on Cancer research and has built a National network of collaborators. Some of the current projects are outlined below:

- Familial cancer genetics: Characterize pathogenic mutations in cancer predisposition genes in Cypriot families.
- Epidemiology of cancer: The Department is coordinating a National epidemiological study on cancer, in order to identify risk factors that modify cancer risk for various common types of cancer.
- Genetic epidemiology of cancer: with emphasis on the identification of genetic variants that modify cancer risk
- Functional studies on the role of the unclassified variants characterized in cancer predisposition genes: this involves cloning, expression and functional evaluation in cell cultures, in order to understand their clinical significance.

- Cancer Proteomics and Biomarker Discovery: Investigation of the mechanisms of cancer progression, using proteomics. Aim to identify novel biomarkers in Cypriot cancer patients. This is carried out in collaboration with a major proteomics facility in the U.K.

## Educational Activities

The Department participates actively in educational activities, including delivery of lectures as well as providing student supervision. For the current year the following students are affiliated to the Department:

(a) Two PhD candidates are being currently supervised.
(b) Two MSc students enrolled in the Medical Genetics course are hosted in the Department.
(c) Two BSc students are carrying out their undergraduate projects in the Department.

Over the years, 3 PhD students have successfully completed their projects and several postgraduate, MSc as well as undergraduate, BSc students carried out their projects in the Department.

The Department is recognised by many Greek, European and American Universities for training undergraduate and postgraduate students.

# MOLECULAR GENETICS, FUNCTION & THERAPY

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The Department of Molecular Genetics, Function & Therapy is active in the area of molecular genetics research. The Department has also a section on molecular diagnostics for certain genetic and neurological diseases.

The Department of Molecular Genetics Function & Therapy offers a wide variety of diagnostic services, mainly in the area of molecular genetics. These include the genetic diagnosis of inherited diseases such as Cystic Fibrosis, Inherited Deafness, Congenital Adrenal Hyperplasia, Multiple Endocrine Neoplasia/Thyroid Cancer and Familial Mediterranean Fever. Moreover, the Department of Molecular Genetics Function & Therapy performs the specialized oligoclonal band detections for the diagnosis of Multiple Sclerosis. For these services, samples are received from governmental and private hospitals in Cyprus and from other neighboring and distant countries.

With regards to research, the Department of Molecular Genetics Function & Therapy is interested in the genetics of skeletal muscle formation, the study of the defects which cause muscle diseases and the development of novel therapeutic approaches for muscle diseases, at the basic research. There are also ongoing programs for the development of novel carriers for the delivery of genetic material inside cells. Finally, the Department of Molecular Genetics Function & Therapy carries out clinical research on the identification and characterisation of genetic defects in patients with inherited diseases.

Skeletal muscle formation is a highly ordered process which implicates several genes and proteins. When muscle has to be formed, muscle precursor cells exit the cell cycle and initiate the expression of several muscle-specific genes. The switching from the cell cycle to the myogenesis program is accompanied by the fusion of myoblasts to form multinucleated mature muscle cells. The balance between cell cycle and myogenesis is highly regulated and the network of molecules and molecular interactions for producing skeletal muscle is very complicated. The pathway of

myogenesis is implicated in several muscle diseases, such as muscular dystrophies and in muscle injuries.

The Department of Molecular Genetics Function & Therapy aims to study the pathway which leads to muscle formation. Moreover, it aims to investigate the transcriptional and post-transcriptional regulation of myogenic regulatory genes and determine their role in myogenesis. The Department of Molecular Genetics Function & Therapy is also interested in the characterization of the defective molecular pathways, which are present in muscle diseases such as in Myotonic Dystrophy.

Induction of myogenesis is currently being attempted with gene and cell therapy approaches in order to promote muscle formation in several diseases and in muscle injuries. The Department of Molecular Genetics, Function & Therapy investigates novel approaches for inducing muscle formation. In one of these approaches, it is attempted to reverse muscle cell differentiation and induce the reactivation of muscle cells. This has been so far shown with the overexpression of the transcription factor Twist in mature muscle cells. Other gene therapy approaches are being developed which aim to target the genetic defects of muscular dystrophies such as Myotonic Dystrophy.

Delivery of genetic material inside cells is an important field for the study of gene function and the development of gene therapy approaches. The Department of Molecular Genetics, Function & Therapy investigates and develops novel vehicles for such applications. In collaboration with the Department of Chemistry at the University of Cyprus, the Department has been developing polymer chemical structures, which could connect and deliver DNA/RNA in human cells. The aim is to be able to come up with safe but efficient genetic vehicles inside cells but also *in vivo.*

Finally, due to the wide range of genetic services that it offers, the Department of Molecular Genetics, Function & Therapy is also interested in the identification and characterization of genetic mutations which cause inherited diseases. The Department has identified so far, as part of the diagnostic services, genetic defects which underlie several inherited diseases in Cyprus, such as Inherited Hearing Loss and inherited endocrinological diseases, Familial Mediterranean Fever, Cystic Fibrosis and Hemochromatosis. Research effort has been focused on the genetic epidemiology of inherited diseases and the characterization of novel genetic mutations, especially for those which cause inherited endocrinological diseases, such as Congenital Adrenal Hyperplasia and inherited types of diabetes.

# MOLECULAR GENETICS
# THALASSAEMIA

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## Provision of Diagnostic services

The Thalassaemia Department performs molecular genetic diagnosis, prenatal diagnosis and preimplantation genetic diagnosis for thalassaemia and other single gene disorders. We also provide molecular diagnosis and prenatal diagnosis for Duchenne/Becker muscular dystrophy.





## Research Activities

### The reactivation of fetal haemoglobin by chemicals, for the therapy of β-thalassaemia

The aim of this project is to find new chemical compounds that can induce the expression of γ-globin, a substitute for defective β-globin and principal component of fetal haemoglobin. Formation of foetal haemoglobin ameliorates toxic effects of the β-globin defect and functionally replaces adult hemoglobin, so that reactivation of γ-globin is recognized as a potential method of therapy.

### Development of a new DNA chip for the molecular diagnosis of thalassaemia

Using the APEX technology we have developped a fast and reliable microarray-based method for globin gene mutation screening. The corresponding microarray, named *thalassochip*, has been developed in collaboration with ASPER Biotech and is now offered as a clinical tool in the diagnosis of β-thalassaemia.

### Development of Methods for the Non-Invasive Prenatal Diagnosis of beta-thalassaemia

The aim of this project is the development and establishment of a non-invasive method for the prenatal diagnosis of β-thalassaemia. The method is based on the detection of paternally inherited single-nucleotide-polymorphisms (SNPs) linked to the β-globin locus and the direct detection of paternal β-thalassaemia mutations in the maternal plasma. The new current state of the art technology, Next Generation Sequencing based on the Illumina/Solexa platform is being developed in collaboration with Erasmus Medical Center in Rotterdam

### Pharmacogenomic analysis of β-thalassaemia patients under hydroxyurea treatment: implications for β-thalassaemia therapeutics

The aim of this project is to identify the genes involved in differentially increasing Hb F levels upon hydroxyurea (HU) treatment in different β-thalassaemia patients. To this end, we will perform gene expression profiling experiments, using Affymetrix microarrays, to characterize putative stage-specific transcription factors that are required for sustaining or suppressing γ-gene expression.

### *Ithanet* - Electronic infrastructure for thalassaemia research network

*Ithanet* (www.ithanet.eu) is a Euromediterranean network of research centres conducting molecular and clinical research on thalassaemia and related haemoglobinopathies. The Ithanet portal is a disease specific portal for haemoglobinopathies.

### Advancing and customizing gene therapy for β-thalassaemia

Our gene therapy research at the Molecular Genetics Thalassaemia Department uses modifications of the safe and efficient GLOBE lentiviral vectors a) to activate endogenous γ-globin expression in order to supplement LV-encoded with endogenous globin expression and b) to knock down thalassaemic mRNA variants common to Cyprus and minimize the interference of aberrant transcripts with the production of vector-derived β-globin. Aim of our efforts is an improved curative therapy for β-thalassaemia, its optimization for mutations common to Cyprus and an establishment of a preclinical and clinical infrastructure for thalassaemia GT in Cyprus, as a strategic investment in the future.

# MOLECULAR VIROLOGY

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## Provision of Diagnostic Services

- for the pediatric departments of Government and private hospitals,
- for immunosuppressed patients
- for pregnant women
- for undiagnosed cases

The Molecular Virology Department provides diagnostic tests for viral infections focusing on the detection of:

- Herpesviruses family: HSV1, HSV2, CMV, EBV, VZV, HHV6, HHV7 and HHV8
- Enteroviruses family
- Adenoviruses family
- Rotaviruses family

Serology studies are performed as well as qualitative and quantitative molecular detection of viruses.

## Center of reference for Enteroviruses

The Department is responsible for the surveillance of enteroviral epidemics by monitoring the presence and circulation of enteroviruses in Cyprus.

## Research Activities

Projects actively pursued in the lab:

### Epidemiology:

- Molecular epidemiology of RNA viruses, which cause gastroenteritis epidemics.
- Molecular epidemiology of Enteroviruses, which cause epidemics.
- Monitoring viral agents responsible for viral meningitis/encephalitis.
- HPV molecular epidemiology, and factors influencing its oncogenic potential.
- Epidemiology of Herpesviruses, EBV in particular.
- Helicobacter pylori in Cyprus: Characteristics and Implications.

**Neurovirology:**

- Herpesviruses: Role in the onset and progression to Multiple Sclerosis.
- Monitoring viral agents responsible for respiratory infections.
- Molecular typing of Enteroviruses in Cyprus.

**Vaccinology:**

- Development of effective vaccines against transmission of EBV, HCV, and RSV.
- Development of a new generation of adjuvants (eg Virus-like particles) that could be readily applied in the context of viral vaccines.

## Educational Activities

The Department in collaboration with universities abroad hosts and supervises MSc and PhD students.

# NEUROGENETICS

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The main expertise of the Neurogenetics Department is in the fields of medical genetics and linkage mapping, focused on neurological diseases. Our mission is to excel in the fields of our expertise for the benefit of the patient. Specific objectives of the Department include:

1. To perform high quality research for:
a. identification of disease associated genes and risk factors,
b. understanding of the molecular mechanisms leading to pathogenesis and disease,
c. contributing towards the development of more effective therapies for the benefit of the patient.
2. To offer high quality molecular diagnostic services in the field of neurogenetics and other hereditary diseases for the Cypriot and other populations.
3. To offer high quality educational programs for postgraduate (PhD level) studies, for MSc theses, for BSc laboratory projects and internships and for the introduction of young students to the field of genetics.

The Department has established itself as a reference molecular diagnostics laboratory in neurogenetics for Cyprus and the Eastern Mediterranean region. Diagnostic services are requested by Cypriot, Greek and many neurologists/clinicians from the neighbouring countries. The current panel of offered services includes amyloidosis, amyotrophic lateral sclerosis, ataxias, Charcot-Marie-Tooth neuropathies, hereditary neuropathy with liability to pressure palsies, hereditary spastic paraplegias, Huntington disease, myotonic dustrophy, Parkinson disease and spinal muscular atrophies. In 2010 the Department has launched the National Prevention Programme for Friedreich ataxia, in collaboration with the Ministry of Health. In the absence of local external quality assessment schemes, the Department participates in European external quality assessment schemes since 2000 and is certified by the European molecular diagnostics quality network (EMQN). Current participation in EMQN EQA schemes includes Huntington disease, Charcot-Marie-

Tooth disease, Friedreich's ataxia, autosomal dominant spinocerebellar ataxias, DNA sequencing, spinal muscular atrophy and myotonic dystrophy. Kyproula Christodoulou was invited and participated at the European best practice workshop setting up the best practice guidelines for autosomal dominant spinocerebellar ataxias in October 2007. For the past few years, the Department is working in collaboration with the other CING departments towards accreditation of the services of the CING.

The Department is currently involved in research projects on Charcot-Marie-Tooth neuropathies, spinocerebellar ataxias, multiple sclerosis and type 2 diabetes. For the reported period the Department was involved in 9 research projects with total funding over 550.000 Euro. Peer review publications of the Department since 2006 total to 17.

The Department has been very successful in educational activities. Currently, the Department hosts two PhD and two MSc students. Every year the Department hosts BSc and MSc students for summer internships, personnel from other countries that want to be trained in laboratory procedures and high school students for the weekly work experience program. In addition, Department personnel are regularly attending workshops and courses abroad for educational updating in the field. The Head of the Department has acted as local faculty member of the CING hybrid courses in Medical Genetics and other specialised topics that are organised by the European School of Medical Genetics. Since September 2010, the Department Head is the coordinator of the "Methodologies and technologies applied in Medical Genetics" course of the joint UCY/CING postgraduate MSc/PhD programme in Medical Genetics.


HAL 100

# SERVICES

# SERVICES PROVIDED BY CING

| Code | Type of Service by Department | Unit of Measurement |
|---|---|---|
| **CLINICAL SCIENCES** | | |
| | | |
| | **Outpatient Clinics (Code 21)** | |
| 1 | First Consultation | /consultation |
| 2 | Follow-up Consultation | /consultation |
| 16 | Medical Report (short) | /report |
| 17 | Medical Report (long) | /report |
| 18 | Dietician follow-up Consultation | /consultation |
| 21 | Dietician First Consultation | /consultation |
| 23 | Psychotherapy | /consultation |
| 19 | Genetic Counselling | /consultation |
| 27 | Copy of report | /copy |
| | | |
| | **In Patient Ward (Code 21)** | |
| | **Day Care:** | |
| 3 | Accommodation & Nursing Care | /day |
| 20 | Medical Care | /day |
| | **24 Hour Care:** | |
| 4 | 1st Class Accommodation & Nursing Care | /night |
| 5 | 2nd Class Accommodation & Nursing Care | /night |
| 6 | Medical Care | /night |
| 24 | Visiting Doctor | /consultation |
| | | |
| | **Specialized Procedures:** | |
| 7 | Botulin Toxin Injections Generalised Dystonia | /procedure |
| 8 | Botulin Toxin Injections Segmental | /procedure |
| 9 | Tensilon Test | /procedure |
| 10 | Lumbar Puncture | /procedure |
| 25 | Sleep Study | /study |
| 26 | Minor surgical procedures | /procedure |
| | | |
| | **Social Services (Code 21)** | |

| | | |
|---|---|---|
| 21SO1 | Home visit | /hour |
| 21SO2 | Outpatient consultation | /consultation |
| 21SO3 | Inpatient consultation | /consultation |
| | | |
| | **EMG Laboratory (12)** | |
| 12 | Nerve conduction studies per limb | /limb |
| 13 | Blink Reflex | /test |
| 14.1 | Nerve conduction studies for more than two limbs | /session |
| 14.2 | EMG for more than two limbs | /session |
| 15 | Quantitative EMG | /test |
| 16 | Single fibre EMG | /test |
| 25 | Repetitive stimulation | /nerve |
| 26 | Mixed NCS | /nerve |
| 27 | Inching | /nerve |
| 28 | Other autonomic testing | /test |
| 29 | H-reflex | /nerve |
| 31 | EMG per limb | /limb |
| 33 | Jaw Jerk Reflex | /session |
| 34 | Masseter Inhibitory Reflex | /session |
| 36 | Quantitative Sensory Testing | /test |
| 41 | Copy of report | /copy |
| | | |
| | **Neurophysiology Laboratory (Code 22)** | |
| 1 | Visual evoked potentials | /test |
| 2 | Half-Field stimulation PSVEP | /test |
| 3 | Flash visual evoked responses | /test |
| 4 | Pattern Electroretinogram | /test |
| 5 | Brainstem auditory evoked potentials | /test |
| 39 | Brainstem auditory evoked potentials (bone conduction) | /test |
| 6 | Threshold Latency Series | /test |
| 7.1 | Upper limb somatosensory evoked potentials | /test |
| 7.2 | Lower limb somatosensory evoked potentials | /test |
| 7.3 | Dermatomal SSEP's | /slide/dermatome |
| 8 | Motor evoked potentials | /test |
| 9 | Multi modal evoked potentials | /session |
| 30 | Routine EEG | /test |
| 11 | Video EEG | /night |
| 17 | Intra-operative monitoring | /hour |
| 18.1 | Polysomnography | /test |
| 18.2 | Multiple sleep latency test (MSLT) | /test |
| 18.3 | Polysomnography with MSLT | /night |
| 35 | Vagus Nerve Stimulation | /test |
| 37 | Flash electroretinography | /test |
| 38 | Myogenic Vestibular Evoked Potentials | /test |

| | | |
|---|---|---|
| 40 | Copy of report | /copy |
| | | |
| | **Neurovascular Laboratory (Code 17)** | |
| 10 | Extracranial Cerebrovascular Examination (Carotid doppler) | /test |
| 11 | Transcranial doppler | /test |
| 12 | Carotid and transcranial doppler | both tests |
| 13 | Transcranial doppler monitoring | /test |
| | | |
| | **Neuropathology Laboratory (Code 23)** | |
| | **Muscle Biopsy:** | |
| 1 | Routine: H&E, Gomori, ATPase 9.4,4.6,4.3, SDH, NADH-TR, Cytochrome C, α-glycerophosphate, Acid Phosphatase, Oil Red O, PAS | /biopsy |
| 2 | Metabolic: Myophosphorylase, Phosphofructokinase, Adenylate deaminase | /biopsy |
| 3 | Inflammatory: Acid Phosphatase, MHC I, non-specific esterase | /biopsy |
| 4 | Dystrophinopathy screen: Dys 3,1,2 Utrophin, spectrin | /biopsy |
| 5 | Dystrophy screen: α,β,γ,δ sarcoglycan, dysferlin, caveolin, merosin, | |
| | α-dystroglycan, β-dystroglycan, collagen VI, spectrin | /biopsy |
| 7 | Paraffin: H&E Inflammatory, B & T cell, macrophage markers | /biopsy |
| 8 | Developmental: Desmin, Vimentin, Myosin, Utrophin | /biopsy |
| | **Nerve Biopsy:** | |
| 9 | Paraffin: H&E, Congo Red | /biopsy |
| 11 | Immunocytochemistry (frozen) | /biopsy |
| 12 | Paraffin: H& E, B & T and macrophage markers | /biopsy |
| | **Brain Examination:** | |
| 13 | Whole brain examination | /biopsy |
| | | |
| | **Physiotherapy (Code 24)** | |
| 1 | Home visit | /hour |
| 2 | Outpatients Treatment | /half hour |
| 3 | Inpatients Treatment | /half hour |
| 4 | Clinics | /half hour |
| 5 | Consultation | /half hour |
| 6 | Disabled living assessment | /hour |
| 8 | Splinting | /case |
| 9 | Clinical assessment | /hour |
| **BIOMEDICAL SCIENCES** | | |
| | | |
| | **Molecular Genetics Thalassaemia Department (Code 25)** | |
| 1 | Prenatal diagnosis for Thalassaemia - 1st CVS | /prenatal |
| 2 | Prenatal diagnosis for Thalassaemia - 2nd CVS | /prenatal |
| 3 | Diagnostic samples for Thalassaemia | /sample/site |
| 4 | Alpha and beta locus MLPA analysis | /sample |
| 7 | Carrier diagnosis for Duchenne | /person |
| 8 | Prenatal diagnosis for Duchenne - 1st CVS | /prenatal |

| | | |
|---|---|---|
| 9 | Prenatal diagnosis for Duchenne - 2nd CVS | /prenatal |
| 10 | Molecular Diagnosis for Thalassaemia | /sample |
| 11 | DGGE | /sample/site |
| 13 | Sequencing of globin gene | /sample |
| 14 | DNA extraction from blood | /extraction |
| 15 | DNA extraction from tissue | /extraction |
| 16 | Pre-implantation genetic diagnosis (PGD) | /case |
| 17 | NIPD for X-linked disorders | /sample |
| 18 | Non Invasive prenatal diagnosis for fetal RHD status | /sample |
| 19 | Non invasive prenatal diagnosis for β-thalassaemia | /sample |
| | | |
| | **Cardiovascular Genetics & Laboratory of Forensic Genetics (Code 26)** | |
| | **Forensic Genetics:** | |
| 5 | Paternity tests | /person |
| 6 | Other forensic genetic services (police) | /case |
| 12 | Other forensic genetic services (missing persons) | /case |
| | **Cardiovascular Genetics:** | |
| 3 | Familial Hypercholesterolaemia | /family |
| 4 | Apolipoprotein E Genotyping | /case |
| 9 | Thrombophilia (4 mutations simultaneously) | /case |
| 10 | Molecular investigations of hypertension | /case |
| 11 | Molecular investigations of cardiomyopathies | /family |
| | **Screening for mitochondrial mutations:** | |
| 13 | Molecular Investigation of MItochondrial Diabetes and Deafness (MIDD) | /case |
| | **Dermatological disorders:** | |
| 7 | Molecular investigations of dermatological disorders | /family |
| | | |
| | * plus VAT | |
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| | **Molecular Genetics Function and Therapy Department (Code 27)** | |
| | **Cystic Fibrosis (CF):** | |
| 1.1 | CF full mutation analysis | /test |
| 1.2 | CF analysis for known mutation | /test |
| 1.4 | CF prenatal diagnosis 1st CVS | /prenatal |
| 1.5 | CF prenatal diagnosis 2nd CVS | /prenatal |
| 1.6 | CF DNA extraction/storage | /extraction |
| | **Autosomal Dominant Polycystic Kidney Disease (ADPKD):** | |
| 2.2 | ADPKD analysis for known mutation | /test |
| 2.3 | ADPKD family linkage analysis | /family |
| 2.4 | ADPKD prenatal diagnosis 1st CVS | /prenatal |
| 2.5 | ADPKD prenatal diagnosis 2nd CVS | /prenatal |
| 2.6 | ADPKD DNA extraction storage | /extraction |
| | **Autosomal Dominant Medullary Cystic Kidney Disease (ADMCKD):** | |
| 4.2 | ADMCKD analysis for known mutation | /test |

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| 4.3 | ADMCKD family linkage analysis | /family |
| 4.4 | ADMCKD prenatal diagnosis 1st CVS | /prenatal |
| 4.5 | ADMCKD prenatal diagnosis 2nd CVS | /prenatal |
| 4.6 | ADMCKD DNA extraction/storage | /extraction |
| | **Nephronophthisis:** | |
| 5.6 | Nephronophthisis DNA extraction/storage | /extraction |
| | **Cystinuria:** | |
| 6.1 | Cystinuria full mutation analysis | |
| 6.2 | Cystinuria analysis for known mutation | /test |
| 6.3 | Cystinuria family linkage analysis | /family |
| 6.4 | Cystinuria prenatal diagnosis 1st CVS | /prenatal |
| 6.5 | Cystinuria prenatal diagnosis 2nd CVS | /prenatal |
| 6.6 | Cystinuria DNA extraction/storage | /extraction |
| | **Familial Mediterranean Fever (FMF):** | |
| 7.1 | FMF full mutation analysis | /test |
| 7.2 | FMF analysis for known mutation | /test |
| 7.6 | FMF DNA extraction/storage | /extraction |
| | **Sweat Test :** | |
| 8.7 | Sweat test | /test |
| | **Haemochromatosis:** | |
| 10.7 | Haemochromatosis analysis of individual mutations | /test |
| | **RET-proto-oncogene:** | |
| 11.1 | RET full mutation analysis | /test |
| 11.2 | RET analysis for known mutation | /test |
| 11.6 | RET DNA extraction/storage | /extraction |
| | **Focal Segmented Glomerular Sclerosis:** | |
| 12.3 | FSGS family linkage analysis | /family |
| | **Inherited Deafness:** | |
| 13.1 | Connexin 26 full mutation analysis (sequencing) | /test |
| 13.2 | Connexin 26 analysis for known mutation | /test |
| 13.6 | Connexin 26 DNA extraction/storage | /extraction |
| 15.1 | Connexin 30 full mutation analysis (sequencing) | /test |
| 15.2 | Connexin 30 analysis for known mutation | /test |
| | **Multiple Sclerosis:** | |
| 14 | Oligoclonal Bands detection for MS patients | /test |
| | **Congenital Adrenal Hyperplasia:** | |
| 16.1 | Congenital Adrenal Hyperplasia full mutation analysis (sequencing) | /test |
| 16.2 | Congenital Adrenal Hyperplasia analysis for known mutation | /test |
| 16.6 | Congenital Adrenal Hyperplasia DNA extraction/storage | /extraction |
| 16.7 | Congenital Adrenal Hyperplasia Sequencing per test (exon) | /test |
| | **Obesity:** | |
| 17.1 | MC4R full sequencing | /test |
| 17.2 | Obesity analysis for known mutation | /test |
| 17.6 | Obesity DNA extraction/storage | /extraction |

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|---|---|---|
| 96 | Other DNA extraction/storage | /extraction |
| | | |
| | **Neurogenetics Department (Code 28)** | |
| 1 | Transthyretin Val30Met mutation detection test | /patient |
| 1.01 | Transthyretin DNA sequencing test | /patient |
| 2 | Huntington CAG triplet repeat test | /patient |
| 3 | Friedreich's Ataxia (FRDA) Frataxin GAA tiplet repeat test | /patient |
| 3.01 | National Prevention Program for Friedreich Ataxia | /test |
| 4 | Spinocerebellar Ataxia 1 (SCA1) CAG triplet repeat test | /patient |
| 5 | Spinocerebellar Ataxia 3 (SCA3) CAG triplet repeat test | /patient |
| 6.02 | Myelin Protein Zero (MPZ) sequencing test | /test |
| 6.03 | Connexin 32 (CX32 / GJB1) sequencing test | /test |
| 6.04 | Peripheral Myelin Protein 22 (PMP22) sequencing test | /test |
| 6.05 | CMT1A/HNPP MLPA evaluation | /test |
| 6.06 | Mitofusin 2 (MFN2) gene sequencing test | /test |
| 6.07 | Neurofilament-light (NEFL) gene sequencing test | /test |
| 6.08 | Ganglioside-induced differentiation-associated protein 1 (GDAP1) gene sequencing test | /test |
| 6.09 | Glycyl-tRNA synthetase (GARS) gene sequencing test [CMT2D; DSMAV] | /test |
| 6.1 | Early growth response 2 (EGR2) gene sequencing test [CMT1D; CMT4E] | /test |
| 6.11 | Detection of the c.892C>T mutation in exon 5 of the LMNA gene [ARCMT2] | /test |
| 7.01 | SMA MLPA evaluation | /patient |
| 8 | Known LGMD2 mutation detection test | /patient |
| 8.01 | Linkage analysis (LGMD2A – LGMD2I loci) | /family |
| 9 | DM1 CTG triplet repeat test | /patient |
| 10 | DNA Extraction & Banking | /patient |
| 12 | Spinocerebellar Ataxia 2 (SCA2) CAG triplet repeat test | /patient |
| 13 | Spinocerebellar Ataxia 6 (SCA6) CAG triplet repeat test | /patient |
| 14 | Spinocerebellar Ataxia 7 (SCA7) CAG triplet repeat test | /patient |
| 15 | SCA Panel (SCA1, 2, 3, 6, 7) test | /patient |
| 16 | Spinocerebellar Ataxia 8 (SCA8) CTA/CTG repeat test | /patient |
| 17 | Spinocerebellar Ataxia 12 (SCA12) CAG triplet repeat test | /patient |
| 18 | Spinocerebellar Ataxia 17 (SCA17) CAG/CAA repeat test | /patient |
| 19 | DRPLA CAG triplet repeat test | /patient |
| 20 | Aprataxin (APTX) sequencing test | /patient |
| 21 | Spinocerebellar Ataxia 10 (SCA10) ATTCT repeat test | /patient |
| 22 | Spinal and bulbar muscular atrophy (SBMA) or Kennedy's disease, androgen receptor CAG triplet repeat test | /patient |
| 23 | SOD1 gene sequencing test | /patient |
| 24 | Detection of the N88S / S90L mutations in exon 3 of the BSCL2 gene [HMN5] | /test |
| 25 | TAR DNA binding protein TARDBP (TDP-43) gene sequencing test [ALS10] | /test |
| 26 | Detection of the G2019S mutation in exon 41 of the LRRK2 gene [PARK8] | /test |
| 27 | Gap junction protein, gamma 2 (GJC2) gene sequencing test [SPG44] | /test |

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| 28 | Spastin (SPAST) gene sequencing test [SPG4] | /test |
| 29 | Atlastin GTPase 1 (ATL1) gene sequencing test [SPG3] | /test |
| 30 | SPAST and ATL1 genes MLPA evaluation [SPG4 and SPG3] | /test |
| 80 | Family Analysis* | /family |
| 81 | Prenatal diagnosis 1st* | /prenatal |
| 82 | Prenatal diagnosis 2nd or later* | /prenatal |
| | * Provided for all diseases specified above | |
| | | |
| | **Cytogenetics and Genomics Department (Code 29)** | |
| 1 | Chromosomal analysis of CVS - Prenatal Diagnosis | /test |
| 2 | Chromosomal analysis of Amniotic Fluid | /test |
| 3 | Chromosomal analysis of Fetal Blood | /test |
| 4 | Chromosomal analysis of Peripheral Blood | /test |
| 5 | Chromosomal analysis of Skin Biopsy | /test |
| 6 | Examination and chromosomal analysis of Prod. of Conception (POC) | /test |
| 7 | Tissue Culture Only - To facilitate other tests | /specimen |
| 8 | Chromosomal analysis of Peripheral Blood for couples | /test |
| 20 | Identification/Confirmation/Characterisation of Chromosomal abnormality(ies) by FISH | /test |
| 21 | Diagnosis of Disease(s) / Syndrome(s) by FISH | /test |
| 22 | Multiprobe detection centromeric/telomeric | /test |
| 23 | Pre-implantation Genetic Diagnosis by FISH | /test |
| 24 | M-FISH | /test |
| 25 | Sperm FISH for chromosome aneuploidies analysis | /test |
| 26 | Sperm DNA fragmentation analysis | /test |
| 60 | Prenatal diagnosis of Fragile X Syndrome | /family |
| 61 | Postnatal diagnosis of Fragile X Syndrome/per Individual | /test |
| 62 | Investigation of abnormalities/syndromes with MLPA | /person |
| 63 | DNA Isolation/storage | /sample |
| 64 | Detection of Y chromosomal material/ per individual | /sample |
| 65 | Screening of Y(AZF) chromosomal microdeletions | /sample |
| 66 | Achondroplasia mutation G1138A analysis | /sample |
| 67 | Central Diabetes Insipidus | /sample |
| 68 | Molecular diagnosis of Prader Willi/Angelman syndrome | /test |
| 69 | Rapid prenatal diagnosis of 13,18,21,X,Y aneuploides (QF-PCR/Aneuploidy FISH) | /test |
| 70 | Detection of genomic imbalances with microarray-CGH | /test |
| 71 | Pre-implantation Genetic Diagnosis aneuploidy screening with Array CGH (1–2 blastomere) | /test |
| 71.4 | Pre-implantation Genetic Diagnosis aneuploidy screening with Array CGH (3–4 blastomere) | /test |
| 71.6 | Pre-implantation Genetic Diagnosis aneuploidy screening with Array CGH (5–6 blastomere) | /test |
| 71.8 | Pre-implantation Genetic Diagnosis aneuploidy screening with Array CGH (7–8 blastomere) | /test |
| 80 | Establish Lymphoblastoid Cell Line | /sample |
| 81 | Establish Fibroblast Cell Line | /sample |

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| 82 | Thawing-Freezing-Expansion up to 2T-25 Flasks | /sample |
| 83 | Maintain Two Vials/Sample in N2/year | /sample |
| | | |
| | **Biochemical Genetics Department (Code 30)** | |
| | **Biochemical Assays:** | |
| 1 | Lactate | /test |
| 1.1 | Lactate Blood | /test |
| 1.2 | Lactate CSF | /test |
| 2 | Pyruvate | /test |
| 4 | Ischaemic Exercise Test | /test |
| 5 | Ammonia | /test |
| 7 | Creatine Kinase | /test |
| 8 | Creatine Kinase Isoenzymes | /test |
| 9 | Amino Acids | /test |
| 9.1 | Amino Acids Plasma | /test |
| 9.2 | Amino Acids CSF | /test |
| 9.3 | Amino Acids Urine | /test |
| 10 | Carnitine | /test |
| 12 | Vitamin E | /test |
| 13 | Urine Screen (Stick) | /test |
| 14 | Urine Spot Tests | /test |
| 14.1 | Reducing Substances | /test |
| 14.2 | Nitroprusside test for Cystine/Homocystine | /test |
| 14.3 | DNPH test for α-keto acids | /test |
| 15 | Biotinidase | /test |
| 16 | Hexosaminidase A & B | /test |
| 17 | Lysosomal Enzymes Single | /test |
| 18 | Lysosomal Enzymes Screen | /test |
| 19 | Mucopolysaccharides (GAG/creatine ratio) | /test |
| 21 | Mucopolysaccharides (GAG Electrophoresis) | /test |
| 30 | Prenatal Diagnosis | /test |
| 31 | Organic Acids | /test |
| 32 | DNA isolation | /extraction |
| 65 | Total Homocysteine | /test |
| 66 | Sugar Chromatography (TLC) | /test |
| 67 | Oligosaccharides (TLC) | /test |
| 69 | Vitamin B12 | /test |
| 70 | Folate | /test |
| 71 | Homocysteine - B12 - Folate screen | /test |
| | **Muscle Biochemistry:** | |
| 40 | Carnitine Palmitoyl Transferase | /test |
| 41 | Mitochondrial Enzymes | /test |
| 42 | Muscle enzymes single | /test |
| 46 | Dystrophin | /test |

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| | **Drug Assays:** | |
| 60 | Anti-Epileptic Drugs | /test |
| 73 | Immunosuppressive Drugs | /test |
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| | **Electron Miscroscopy & Molecular Pathology Department (Code 31)** | |
| 1 | Processing and examination of specimens in the TEM | /test |
| 2 | Examination of specimens in the TEM | /test |
| 3 | Use of TEM per session (with supervision) | /session |
| 4 | Use of TEM per session (without supervision) | /session |
| 5.1 | Pre-test Consultation for cancer susceptibility | /consultation |
| 5.2 | Post-test Consultation for cancer susceptibility | /consultation |
| 6 | DNA extraction/storage from blood | /extraction |
| 7 | DNA extraction/storage from tissue | /extraction |
| 8 | mRNA extraction/storage from tissue | /extraction |
| 9 | mRNA extraction/storage from blood | /extraction |
| 10 | BRCA1 mutation screen | /test |
| 11 | BRCA1 analysis for known mutation | /test |
| 12 | BRCA2 mutation screen | /test |
| 13 | BRCA2 analysis for known mutation | /test |
| 14 | p53 mutation screen | /test |
| 15 | p53 analysis for known mutation | /test |
| 16 | APC mutation screen | /test |
| 17 | APC analysis for known mutation | /test |
| 18 | Microsattelite instability (MSI) | /test |
| 19 | hMLH1 mutation screen | /test |
| 20 | hMLH1 analysis for known mutation | /test |
| 21 | hMSH2 mutation screen | /test |
| 22 | hMSH2 analysis for known mutation | /test |
| 23 | hPMS1 mutation screen | /test |
| 24 | hPMS1 analysis for known mutation | /test |
| 25 | hPMS2 mutation screen | /test |
| 26 | hPMS2 analysis for known mutation | /test |
| 27 | hMSH6 mutation screen | /test |
| 28 | hMSH6 analysis for known mutation | /test |
| 29 | k-ras mutation detection | /test |
| 29.1 | k-ras somatic mutation detection | /test |
| 30 | Immunohistochemistry of hMLH1 | /test |
| 31 | Immunohistochemistry of hMSH2 | /test |
| 32 | Immunohistochemistry of hMLH6 | /test |
| 33 | Immunohistochemistry of hPMS2 | /test |
| 41 | PTEN mutation screen | /test |
| 42 | PTEN analysis for known mutation | /test |
| 43 | STK11 mutation screen | /test |
| 44 | STK11 analysis for known mutation | /test |

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| 45 | CHEK 2 mutation screen | /test |
| 46 | CHEK 2 analysis for known mutation | /test |
| 47 | ATM mutation screen | /test |
| 48 | ATM analysis for known mutation | /test |
| 49 | PALB2 mutation screen | /test |
| 50 | PALB2 analysis for known mutation | /test |
| 51 | BRIP1 mutation screen | /test |
| 52 | BRIP1 analysis for known mutation | /test |
| 53 | CDKN2A mutation screen | /test |
| 54 | CDKN2A analysis for known mutation | /test |
| 55 | BRAF mutation screen | /test |
| 56 | BRAF analysis for known mutation | /test |
| 57 | Mitochondrial DNA sequencing for a single gene | /test |
| 58 | Mitochondrial DNA analysis for known mutation | /test |
| 59 | Mitochondrial DNA southern blot for detection of multiple deletion(s), duplication(s) and depletion | /test |
| 60 | Mitochondrial DNA mutation Screen | /test |
| 61 | EGFR full gene testing | /test |
| 62 | EGFR exons 18-21 testing | /test |
| 63 | CFHR5 Nephropathy | /test |
| | | |
| | **Molecular Virology Department (Code 32)** | |
| 1 | Parvovirus - IgG | /test |
| 2 | Parvovirus - IgM | /test |
| 3 | CMV - IgG | /test |
| 4 | CMV - IgM | /test |
| 5 | HSV-1: IgG | /test |
| 6 | HSV-1: IgM | /test |
| 7 | HSV-2: IgG | /test |
| 8 | HSV-2: IgM | /test |
| 9 | VZV IgG | /test |
| 10 | VZV IgM | /test |
| 11 | EBV - NA IgG | /test |
| 11.1 | EBV - EA IgG | /test |
| 12 | EBV - IgM | /test |
| 17 | Toxoplasma - IgG | /test |
| 18 | Toxoplasma - IgM | /test |
| 19 | Rubella - IgG | /test |
| 20 | Rubella - IgM | /test |
| 21 | Measles - IgG | /test |
| 22 | Measles - IgM | /test |
| 23 | Mumps - IgG | /test |
| 24 | Mumps - IgM | /test |
| 25 | Adenovirus - IgG | /test |
| 26 | Adenovirus - IgM | /test |

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| 31 | HBsAg - Antigen * | /test |
| 32 | Anti - HBsAg: IgG * | /test |
| 33 | HBeAg - Antigen * | /test |
| 34 | Anti - HBeAg: IgG * | /test |
| 35 | Anti - HBcAg: IgG * | /test |
| 36 | Anti - HBcAg: IgM * | /test |
| 37 | Anti - HCV: IgG * | /test |
| 41 | Hepatitis: HBV - DNA * | /test |
| 41.1 | Hepatitis: HBV - DNA (24 hour turn-around) * | /test |
| 42 | Hepatitis: HCV - RNA * | /test |
| 42.1 | Hepatitis: HCV - RNA (24 hour turn-around) * | /test |
| 42.2 | Hepatitis: HCV - Genotyping * | /test |
| 43 | Herpesvirus: CMV - DNA | /test |
| 44 | Herpesvirus: HSV1 - DNA | /test |
| 45 | Herpesvirus: HSV2 - DNA | /test |
| 46 | Herpesvirus: EBV - DNA | /test |
| 47 | Herpesvirus: VZV- DNA | /test |
| 48 | RT/PCR Polio, Coxsaxkie, Echo, Entero - Virus | /test |
| 49 | Human Papilloma Viruses - DNA (priority request) * | /test |
| 49.1 | Human Papilloma Viruses - DNA (standard request) * | /test |
| 50 | HPV Typing | /type |
| 57 | Cell Culture - RT/PCR - Enteroviruses | /test |
| 58 | Biopsy - RT/PCR - Enteroviruses | /test |
| 59 | Biopsy - Cell Culture - RT/PCR - Enteroviruses | /test |
| 60 | Cell Culture - PCR - HSV - 1/HSV - 2 | /test |
| 61 | Cell Culture - PCR - EBV | /test |
| 62 | Cell Culture - PCR - CMV | /test |
| 63 | Adenoviruses : Adeno - DNA | /test |
| 67 | RT/PCR - Rotavirus | /test |
| 68 | Enteroviruses - IgG | /test |
| 69 | Enteroviruses - IgM | /test |
| 71 | PCR Parvovirus-DNA * | /test |
| 72 | RT-PCR Norovirus-RNA * | /test |
| 73 | PCR HHV6-DNA * | /test |
| 74 | PCR HHV7-DNA * | /test |
| 75 | PCR HHV8-DNA * | /test |
| 76 | PCR BK virus * | /test |
| 77 | Influenza virus A(H1N1) (Swine) - rRT-PCR * | /test |
| 78 | Toxoplasma DNA * | /test |
| 79 | Phleboviruses * | /test |
| 80 | Flaviviruses * | /test |
| | Respiratory Viruses Panel I - Influenza A, Influenza B, RSV, Parainfluenzavirus: | |
| 81.1 | Respiratory Viruses Panel I (single virus) * | /test |
| 81.2 | Respiratory Viruses Panel I (two viruses) * | /test |

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| 81.3 | Respiratory Viruses Panel I (entire panel) * | /test |
| | Respiratory Viruses Panel II - Rhinovirus, Metapneumovirus, Coronavirus, Bocavirus: | |
| 82.1 | Respiratory Viruses Panel II (single virus) * | /test |
| 82.2 | Respiratory Viruses Panel II (two viruses) * | /test |
| 82.3 | Respiratory Viruses Panel II (entire panel) * | /test |
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| | * Note: Tests not covered by the government are indicated by asterisk. | |
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| | **Mouse Facility (Code 36)** | |
| 1 | Small cage maintenance | /week |
| 2 | Large cage maintenance | /week |
| 3 | Metabolic cage maintenance | /cage/use |
| 4 | Non-stock lines | /case |
| 4.01 | Rosa 26 R | /mouse |
| 4.02 | C57BL6/6J | /mouse |
| 4.03 | CBA/B6 F1 | /mouse |
| 4.04 | BALBC | /mouse |
| 4.05 | CD1 | /mouse |
| 4.06 | Tail biopsy | /mouse |
| 4.07 | Tail biopsy and genotyping (LACZ) | /mouse |
| 4.08 | Tail biopsy and genotyping (DNA extraction + PCR) | /mouse |
| 4.09 | Embryo biopsy | /embryo |
| 4.1 | Embryo biopsy and genotyping (LACZ) | /embryo |
| 4.11 | Embryo biopsy and genotyping (DNA extraction +PCR) | /embryo |
| 4.2 | CD1 nude mice | /mouse |
| 5.01 | Blastocyst injection and chimera breeding package - Rate 1 | /package |
| 5.02 | Blastocyst injection and chimera breeding package - Rate 2 | /package |
| 6.01 | ES electroporation package - Rate 1 | /package |
| 6.02 | ES electroporation package - Rate 2 | /package |
| 10 | Special service request | /service |
| 11 | Small cage maintenance - CD1 nude | /week |
| 12 | Large cage maintenance - CD1 nude | /week |
| 13 | Delivery of live mice by messenger (Nicosia) | /delivery |
| 14.01 | Pronuclear injection package (incl. BAC injection) - Rate 1 | /package |
| 14.02 | Pronuclear injection package (incl. BAC injection)- Rate 2 | /package |
| 15.01 | DNA purification for BAC and 20 Kb<constructs - Rate 1 | /purification |
| 15.02 | DNA purification for BAC and 20 Kb<constructs - Rate 2 | /purification |
| 16.01 | DNA purification for 20 Kb>constructs - Rate 1 | /purification |
| 16.02 | DNA purification for 20 Kb>constructs - Rate 2 | /purification |
| 17 | Foster mother (CD1 female) | /mouse |
| 18 | Caesarean section (hysterectomy) | /section |
| 19 | Pseudopregnant female | /mouse |
| 20 | Embryo transfer | /transfer |
| 21 | Superovulation of females and embryo collection | /mouse |
| 22 | Vasectomy of males (including the cost of mouse) | /mouse |

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| 23 | Packaging of mice for export (including preparation of relevant documents) | /cage |
| | | |
| 4.07 | Tail biopsy and genotyping (LACZ) | /mouse |
| 4.08 | Tail biopsy and genotyping (DNA extraction + PCR) | /mouse |
| 4.09 | Embryo biopsy | /embryo |
| 4.1 | Embryo biopsy and genotyping (LACZ) | /embryo |
| 4.11 | Embryo biopsy and genotyping (DNA extraction +PCR) | /embryo |
| 4.2 | CD1 nude mice | /mouse |
| 5.01 | Blastocyst injection and chimera breeding package - Rate 1 | /package |
| 5.02 | Blastocyst injection and chimera breeding package - Rate 2 | /package |
| 6.01 | ES electroporation package - Rate 1 | /package |
| 6.02 | ES electroporation package - Rate 2 | /package |
| 10 | Special service request | /service |
| 11 | Small cage maintenance - CD1 nude | /week |
| 12 | Large cage maintenance - CD1 nude | /week |
| 13 | Delivery of live mice by messenger (Nicosia) | /delivery |
| 14.01 | Pronuclear injection package (incl. BAC injection) - Rate 1 | /package |
| 14.02 | Pronuclear injection package (incl. BAC injection)- Rate 2 | /package |
| 15.01 | DNA purification for BAC and 20 Kb<constructs - Rate 1 | /purification |
| 15.02 | DNA purification for BAC and 20 Kb<constructs - Rate 2 | /purification |
| 16.01 | DNA purification for 20 Kb>constructs - Rate 1 | /purification |
| 16.02 | DNA purification for 20 Kb>constructs - Rate 2 | /purification |
| 17 | Foster mother (CD1 female) | /mouse |
| 18 | Caesarean section (hysterectomy) | /section |
| 19 | Pseudopregnant female | /mouse |
| 20 | Embryo transfer | /transfer |
| 21 | Superovulation of  females and embryo collection | /mouse |
| 22 | Vasectomy of males (including the cost of mouse) | /mouse |
| 23 | Packaging of mice for export (including preparation of relevant documents) | /cage |
| | | |

# ACCREDITATION OR CERTIFICATION OF CING DEPARTMENTS/CLINICS

## NEUROLOGY CLINIC A

**Neurology Clinic A** is accredited from KESY in the Ministry of Health of Greece for one year in Neurology training.

## DEPARTMENT OF BIOCHEMICAL GENETICS

The **Department of Biochemical Genetics** participates in several External Quality Assurance programmes and is certified by ERNDIM (European Research Network for evaluation and improvement of screening, Diagnosis and treatment of Inherited disorders of Metabolism).

## DEPARTMENT OF CYTOGENETICS AND GENOMICS

The **Department of Cytogenetics and Genomics** is accredited by the College of American Pathologists (CAP).

The **Department of Cytogenetics and Genomics** is certified and participates in Quality Control Schemes provided by:

1. European Molecular Genetics Quality Network (EMQN)
2. United Kingdom National External Quality Assessment Service (UKNEQAS)
3. Cytogenetic European Quality Assessment (CEQA)

## DEPARTMENT OF ELECTRON MICROSCOPY/MOLECULAR PATHOLOGY

The **Department of Electron Microscopy/Molecular Pathology** participates in an external Quality Control Assurance program since 2000. The Quality Control Scheme is run by the European Molecular Quality Network (EMQN).

## DEPARTMENT OF MOLECULAR GENETICS, FUNCTION AND THERAPY

The **Department of Molecular Genetics, Function and Therapy** participates in Quality Control Schemes for:

1. Cystic Fibrosis (EQA Scheme)
2. Inherited Deafness (EMQN Scheme)
3. Familial Mediterranean Fever (EMQN Scheme)
4. Congenital Adrenal Hyperplasia (EMQN Scheme)

## DEPARTMENT OF MOLECULAR GENETICS THALASSAEMIA

The **Department of Molecular Genetics Thalassaemia** is certified participates in Quality Control Schemes provided by UK National External Quality Assessment Scheme for DNA Diagnostics for Haemoglobinopathies.

## DEPARTMENT OF MOLECULAR VIROLOGY

The **Department of Molecular Virology** participates every year in international external Quality Assessment (EQA) Proficiency Testing provided by the independent organisation for Quality control for Molecular Diagnostics (QCMD).

## DEPARTMENT OF NEUROLOGY

The **Department of Neurology** participates in EQA schemes of the EMQN (Certified by EMQN), since 2000, as these were becoming available. The following table presents the overall Neurology's Department participation in specific disease molecular diagnostic schemes.

| Year/ Scheme | HD | CMT | FRDA | DNA Seq. | SCA | SMA | DM |
|---|---|---|---|---|---|---|---|
| 2006 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| 2007 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2008 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2009 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2010 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

## ISO 15189:2007

The laboratories of the Departments and Clinics are working towards accreditation with the International Standard, CYS EN ISO 15189:2007. According to this Standard, the policies, methods and procedures adopted and implemented by the Institute and its Departments/Clinics, will be accredited with regards to the management and technical aspects of the Standard's requirements.


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# RESEARCH

# ORIGINAL PUBLICATIONS

## 2011


1. Alvarado DM, Hawkins RD, Bashiardes S, Veile RA, Ku YC, Powder KE, et al. An RNA interference-based screen of transcription factor genes identifies pathways necessary for sensory regeneration in the avian inner ear. J Neurosci 2011;31(12):4535-43.

2. Athanasiou Y, Voskarides K, Gale DP, Damianou L, Patsias C, Zavros M, et al. Familial C3 Glomerulopathy Associated with CFHR5 Mutations: Clinical Characteristics of 91 Patients in 16 Pedigrees. Clin J Am Soc Nephrol 2011;6(6):1436-46.

3. Bashiardes S, Koptides D, Pavlidou S, Richter J, Stavrou N, Kourtis C, et al. Analysis of enterovirus and adenovirus presence in swimming pools in Cyprus from 2007–2008. Water Science & Technology 2011;63(11):2674-84.

4. Drousiotou A, DiMeo I, Mineri R, Georgiou T, Stylianidou G, Tiranti V. Ethylmalonic encephalopathy: application of improved biochemical and molecular diagnostic approaches. Clin Genet 2011;79(4):385-90.

5. Grigori P, Panayiotou E, Sismani C, Koumbaris G, Ioannides M, Costalos C, et al. 21 Mb deletion in chromosome band 13q22.2q32.1 associated with mild/moderate psychomotor retardation, growth hormone insufficiency, short neck, micrognathia, hypotonia, dysplastic ears and other dysmorphic features. Eur J Med Genet 2011;54(3):365-8.

6. Kasnauskiene J, Cimbalistiene L, Ciuladaite Z, Preiksaitiene E, Kučinskienė ZA,. Hettinger JA, Sismani C, Patsalis PC, Kučinskas V. De novo 5q35.5 duplication: clinical symptoms of Sotos syndrome. Am J Med Genet. 2011 In press.

7. Kleopa KA (2010) Autoimmune Channelopathies of the Nervous System. Curr Neuropharmacol. *in press*.

8. Koumbaris G, Hatzisevastou-Loukidou H, Alexandrou A, Ioannides M, Christodoulou C, Fitzgerald T, et al. FoSTeS, MMBIR and NAHR at the human proximal Xp region and the mechanisms of human Xq isochromosome formation. Hum Mol Genet 2011;20(10):1925-36.

9. Koutsoulidou A, Mastroyiannopoulos NP, Furling D, Uney JB, Phylactou LA. Expression of miR-1, miR-133a, miR-133b and miR-206 increases during development of human skeletal muscle. BMC Dev Biol 2011;11(1):34.

10. Koutsoulidou A, Mastroyiannopoulos NP, Furling D, Uney JB, Phylactou L A. "Endogenous TWIST expression and differentiation are opposite during human muscle development". Muscle & Nerve. In press.

11. Kyriakides T, Papacostas S, Papanicolaou E, Bagdades E, Papathanasiou ES. Sleep hypoventilation syndrome and respiratory failure due to multifocal motor neuropathy with conduction block. Muscle Nerve 2011;43(4):610-4.

12. Loizidou MA, Hadjisavvas A, Ioannidis JP, Kyriacou K. Replication of genome-wide discovered breast cancer risk loci in the Cypriot population. Breast Cancer Res Treat 2011;128(1):267-72.

13. Loizou CP, Pattichis CS, Pantzaris M, Nicolaides A, Kyriakou E, Automated segmentation of common carotid artery media,IEEE Trans. Inform. Technology, submitted.

14. Loizou CP, Seimenis I, Pantziaris M, Pattichis CS. “Texture image analysis of normal white matter areas in clinically isolated syndrome that evolved in demyelinating lesions in subsequent MRI scans: Multiple sclerosis disease evolution,” will be submitted to Neuroradiol.

15. Loizou CP, Pantziaris M, Pattichis CS. “M-mode state-based identification in ultrasound videos of the common carotid artery,” J. for Vas. Ultras. (JVU), invited.

16. Loizou CP, Murray V, Pattichis MS, Pantziaris M, Pattichis CS. Multiscale amplitude-modulation frequency-modulation (AM-FM) texture analysis of ultrasound images of the intima and media layers of the carotid artery. IEEE Trans Inf Technol Biomed 2011;15(2):178-88.

17. Loizou CP, Murray V, Pattichis MS, Seimenis I, Pantziaris M, Pattichis CS. Multiscale amplitude-modulation frequency-modulation (AM-FM) texture analysis of multiple sclerosis in brain MRI images. IEEE Trans Inf Technol Biomed 2011;15(1):119-29.

18. Mitra AV, Bancroft EK, Barbachano Y, Page EC, Foster CS, Jameson C, et al. Targeted prostate cancer screening in men with mutations in BRCA1 and BRCA2 detects aggressive prostate cancer: preliminary analysis of the results of the IMPACT study. BJU Int 2011;107(1):28-39.

19. Molinari F, Loizou CP, Pattichis CS, Pantziaris M, Liboni W, Nicolaides A, Suri JS, “MIDAS-CIMT: Multi-Institutional development on algorithms and standardization for carotid intima-media thickness (CIMT) measurement,” IEEE Trans. Inf. Tech. Biomed., submitted.

20. Neocleous V, Skordis N, Portides G, Efstathiou E, Costi C, Ioannou N, et al. RET proto-oncogene mutations are restricted to codon 618 in Cypriot families with Multiple Endocrine Neoplasia 2. J Endocrinol Invest 2011.

21. Pafiti KS, Mastroyiannopoulos NP, Phylactou LA, Patrickios CS. Hydrophilic cationic star homopolymers based on a novel diethanol-N-methylamine dimethacrylate cross-linker for siRNA transfection: synthesis, characterization, and evaluation. Biomacromolecules 2011;12(5):1468-79.

22. Panayides A, Pattichis MS, Pattichis CS, Loizou CP, Pantziaris M, Pitsillides A. Atherosclerotic plaque ultrasound video encoding, wireless transmission, and quality assessment using H.264. IEEE Trans Inf Technol Biomed 2011;15(3):387-97.

23. Papageorgiou EA, Karagrigoriou A, Tsaliki E, Velissariou V, Carter NP, Patsalis PC. Fetal-specific DNA methylation ratio permits noninvasive prenatal diagnosis of trisomy 21. Nat Med 2011;17(4):510-3.

24. Papastavrou E, Tsangari H, Karayiannis G, Papacostas S, Efstathiou G, Sourtzi P. Caring and coping: The dementia caregivers. Aging Ment Health 2011:1-10.

25. Patsalis PC, Editor. The Cyprus Institute of Neurology and Genetics Newletter, Issues 1,2 2011. ISSN: 1986-2105.

26. Patsalis PC. Breakage-fusion-bridge cycles causing chromosome instability in human cleavage stage embryos. Hum Mutat. 2011 Jul;32(7).

27. Patsalis PC. Response to Dr. H. Rivera regarding article "21 Mb deletion in chromosome band 13q22.2-q32.1 associated with mild/moderate psychomotor retardation, growth hormone insufficiency, short neck, micrognathia, hypotonia, dysplastic ears and other dysmorphic features". Eur J Med Genet 2011.

28. Perysinaki G, Moysiadis D, Bertsias G, Giannopoulou I, Kyriacou K, Nakopoulou L, et al. Podocyte main slit diaphragm proteins, nephrin and podocin, are affected at early stages of lupus nephritis and correlate with disease histology. Lupus 2011;20(8):781-91.

29. Richter J, Tryfonos C, Christodoulou C. Circulation of enteroviruses in Cyprus assessed by molecular analysis of clinical specimens and sewage isolates. J Appl Microbiol 2011.

30. Scherer SS, Kleopa KA (2011) X-linked Charcot-Marie-Tooth Disease. J Peripheral Nervous System, *in press*.

31. Sismani C, Anastasiadou V, Kousoulidou L, Parkel S, Koumbaris G, Zilina O, Bashiardes S, Spanou E, Kurg A, Patsalis PC. 9Mb familial duplication in chromosome band Xp22.2-22.13 associated with mental retardation, hypotonia and developmental delay, scoliosis, cardiovascular problems and mild dysmorphic facial features. Eur J Med Genet 2011 Jun 17 [Epub ahead of print}

32. Sismani C, Anastasiadou V, Kousoulidou L, Parkel S, Koumbaris G, Zilina O, Bashiardes S, Spanou E, Kurg A, Patsalis PC,. Xp22.2-22.13 familial duplication, X-linked mental retardation, developmental delay, mild dysmorphic facial features, array-CGH, array-MAPH, chromosome X exon-specific oligonucleotide array. Eur J Med Genet. June 2011 In press.

33. Skordis N, Kyriakou A, Tardy V, Ioannou YS, Varvaresou A, Dracopoulou-Vabouli M, et al. Molecular defects of the CYP21A2 gene in Greek-Cypriot patients with congenital adrenal hyperplasia. Horm Res Paediatr 2011;75(3):180-6.

34. Skordis N, Shammas C, Efstathiou E, Kaffe K, Neocleous V, Phylactou LA. Endocrine profile and phenotype-genotype correlation in unrelated patients with non-classical congenital adrenal hyperplasia. Clin Biochem 2011.

35. Skordis N, Shammas C, Efstathiou E, Sertedaki A, Neocleous V, Phylactou L. Late diagnosis of 5 alpha reductase deficiency in an adolescent girl presented as Primary Amenorrhea carrying the detrimental IVS12A>G mutation. Hormones. *In press.*

36. Tryfonos C, Richter J, Koptides D, Yiangou M, Christodoulou CG. Molecular Typing and Epidemiology of Enteroviruses in Cyprus, 2003-2007. J Med Microbiol 2011.

## 2010

37. Borg J, Papadopoulos P, Georgitsi M, Gutierrez L, Grech G, Fanis P, et al. Haploinsufficiency for the erythroid transcription factor KLF1 causes hereditary persistence of fetal hemoglobin. Nat Genet 2010;42(9):801-5.

38. Daiou C, Christodoulou K, Xiromerisiou G, Panas M, Dardiotis E, Kladi A, et al. Absence of aprataxin gene mutations in a Greek cohort with sporadic early onset ataxia and normal GAA triplets in frataxin gene. Neurol Sci 2010;31(3):393-7.

39. Della Ragione F, Mastrovito P, Campanile C, Conti A, Papageorgiou EA, Hulten MA, et al. Differential DNA methylation as a tool for noninvasive prenatal diagnosis (NIPD) of X chromosome aneuploidies. J Mol Diagn 2010;12(6):797-807.

40. Evangelidou P, Sismani C, Ioannides M, Christodoulou C, Koumbaris G, Kallikas I, et al. Clinical application of whole-genome array CGH during prenatal diagnosis: Study of 25 selected pregnancies with abnormal ultrasound findings or apparently balanced structural aberrations. Mol Cytogenet 2010;3:24.

41. Gale DP, de Jorge EG, Cook HT, Martinez-Barricarte R, Hadjisavvas A, McLean AG, et al. Identification of a mutation in complement factor H-related protein 5 in patients of Cypriot origin with glomerulonephritis. Lancet 2010;376(9743):794-801.

42. Hadjisavvas A, Loizidou MA, Middleton N, Michael T, Papachristoforou R, Kakouri E, et al. An investigation of breast cancer risk factors in Cyprus: a case control study. BMC Cancer 2010;10:447.

43. Irani SR, Alexander S, Waters P, Kleopa KA, Pettingill P, Zuliani L, et al. Antibodies to Kv1 potassium channel-complex proteins leucine-rich, glioma inactivated 1 protein and contactin-associated protein-2 in limbic encephalitis, Morvan's syndrome and acquired neuromyotonia. Brain 2010;133(9):2734-48.

44. Kleopa KA, Orthmann-Murphy J, Sargiannidou I. Gap junction disorders of myelinating cells. Rev Neurosci 2010;21(5):397-419.

45. Kousoulidou L, Sismani C, Patsalis PC. Multiplex Amplifiable Probe Hybridization (MAPH) methodology as an alternative to comparative genomic hybridization (CGH). Methods Mol Biol 2010;653:47-71.

46. Kyriacou EC, Pattichis C, Pattichis M, Loizou C, Christodoulou C, Kakkos SK, et al. A review of noninvasive ultrasound image processing methods in the analysis of carotid plaque morphology for the assessment of stroke risk. IEEE Trans Inf Technol Biomed 2010;14(4):1027-38.

47. Kyriakides T, Angelini C, Schaefer J, Sacconi S, Siciliano G, Vilchez JJ, et al. EFNS guidelines on the diagnostic approach to pauci- or asymptomatic hyperCKemia. Eur J Neurol 2010;17(6):767-73.

48. Loizidou MA, Cariolou MA, Neuhausen SL, Newbold RF, Bashiardes E, Marcou Y, et al. Genetic variation in genes interacting with BRCA1/2 and risk of breast cancer in the Cypriot population. Breast Cancer Res Treat 2010;121(1):147-56.

49. Mastroyiannopoulos NP, Shammas C, Phylactou LA. Tackling the pathogenesis of RNA nuclear retention in myotonic dystrophy. Biol Cell 2010;102(9):515-23.

50. Mastroyiannopoulos NP, Uney JB, Phylactou LA. The application of ribozymes and DNAzymes in muscle and brain. Molecules 2010;15(8):5460-72.

51. Nicolaou P, Zamba-Papanicolaou E, Koutsou P, Kleopa KA, Georghiou A, Hadjigeorgiou G, et al. Charcot-Marie-Tooth disease in Cyprus: epidemiological, clinical and genetic characteristics. Neuroepidemiology 2010;35(3):171-7.

52. Panas M, Karadima G, Vassos E, Kalfakis N, Kladi A, Christodoulou K, et al. Huntington's disease in Greece: the experience of 14 years. Clin Genet 2010.

53. Papadopoulou E, Sismani C, Christodoulou C, Ioannides M, Kalmanti M, Patsalis P. Phenotype-genotype correlation of a patient with a "balanced" translocation 9;15 and cryptic 9q34 duplication and 15q21q25 deletion. Am J Med Genet A 2010;152A(6):1515-22.

54. Papathanasiou ES, Lemesiou A, Hadjiloizou S, Myrianthopoulou P, Pantzaris M, Papacostas SS. A new neurogenic vestibular evoked potential (N6) recorded with the use of air-conducted sound. Otol Neurotol 2010;31(3):528-35.

55. Papathanasiou ES, Pantzaris M, Myrianthopoulou P, Kkolou E, Papacostas SS. Brainstem lesions may be important in the development of epilepsy in multiple sclerosis patients: an evoked potential study. Clin Neurophysiol 2010;121(12):2104-10.

56. Patsalis PC, Editor. The Cyprus Institute of Neurology and Genetics Newletter, Issues 1-4, 2010. ISSN: 1986-2105.

57. Sargiannidou I, Markoullis K, Kleopa KA. Molecular mechanisms of gap junction mutations in myelinating cells. Histol Histopathol 2010;25(9):1191-206.

58. Savvaki M, Theodorakis K, Zoupi L, Stamatakis A, Tivodar S, Kyriacou K, et al. The expression of TAG-1 in glial cells is sufficient for the formation of the juxtaparanodal complex and the phenotypic rescue of tag-1 homozygous mutants in the CNS. J Neurosci 2010;30(42):13943-54.

59. Sequeiros J, Martindale J, Seneca S, Giunti P, Kamarainen O, Volpini V, et al. EMQN Best Practice Guidelines for molecular genetic testing of SCAs. Eur J Hum Genet 2010;18(11):1173-6.

60. Shammas C, Papasavva T, Felekis X, Christophorou C, Roomere H, Synodinos JT, et al. ThalassoChip, an array mutation and single nucleotide polymorphism detection tool for the diagnosis of beta-thalassaemia. Clin Chem Lab Med 2010;48(12):1713-8.

61. Skordis N, Neocleous V, Kyriakou A, Efstathiou E, Sertedaki A, Philibert P, et al. The IVS1-2A>G mutation in the SRD5A2 gene predominates in Cypriot patients with 5alpha reductase deficiency. J Endocrinol Invest 2010;33(11):810-4.

62. Spanaki C, Zaganas I, Kleopa KA, Plaitakis A. Human GLUD2 glutamate dehydrogenase is expressed in neural and testicular supporting cells. J Biol Chem 2010;285(22):16748-56.

63. Spyrou P, Phylactides M, Lederer CW, Kithreotis L, Kirri A, Christou S, et al. Compounds of the anthracycline family of antibiotics elevate human gamma-globin expression both in erythroid cultures and in a transgenic mouse model. Blood Cells Mol Dis 2010;44(2):100-6.

64. Sutton CW, Rustogi N, Gurkan C, Scally A, Loizidou MA, Hadjisavvas A, et al. Quantitative proteomic profiling of matched normal and tumor breast tissues. J Proteome Res 2010;9(8):3891-902.

65. Vavlitou N, Sargiannidou I, Markoullis K, Kyriacou K, Scherer SS, Kleopa KA. Axonal pathology precedes demyelination in a mouse model of X-linked demyelinating/type I Charcot-Marie Tooth neuropathy. J Neuropathol Exp Neurol 2010;69(9):945-58.

## 2009

66. Andreadou E, Christodoulou K, Manta P, Karandreas N, Loukaidis P, Sfagos C, et al. Familial asymmetric distal upper limb amyotrophy (Hirayama disease): report of a Greek family. Neurologist 2009;15(3):156-60.

67. Bashiardes S, Kousoulidou L, van Bokhoven H, Ropers HH, Chelly J, Moraine C, et al. A new chromosome x exon-specific microarray platform for screening of patients with X-linked disorders. J Mol Diagn 2009;11(6):562-8.

68. Dardiotis E, Koutsou P, Papanicolaou EZ, Vonta I, Kladi A, Vassilopoulos D, et al. Epidemiological, clinical and genetic study of familial amyloidotic polyneuropathy in Cyprus. Amyloid 2009;16(1):32-7.

69. Dardiotis E, Koutsou P, Zamba-Papanicolaou E, Vonta I, Hadjivassiliou M, Hadjigeorgiou G, et al. Complement C1Q polymorphisms modulate onset in familial amyloidotic polyneuropathy TTR Val30Met. J Neurol Sci 2009;284(1-2):158-62.

70. Georgiou T, Chuang JL, Wynn RM, Stylianidou G, Korson M, Chuang DT, et al. Maple syrup urine disease in Cypriot families: identification of three novel mutations and biochemical characterization of the p.Thr211Met mutation in the E1alpha subunit. Genet Test Mol Biomarkers 2009;13(5):657-64.

71. Harteveld CL, Kleanthous M, Traeger-Synodinos J. Prenatal diagnosis of hemoglobin disorders: present and future strategies. Clin Biochem 2009;42(18):1767-79.

72. Kleopa KA, Natsiopoulos K. Acute cervical radiculopathies in spontaneous intracranial hypotension. J Neurol 2009;256(3):499-501.

73. Kyrri AR, Felekis X, Kalogerou E, Wild BJ, Kythreotis L, Phylactides M, et al. Hemoglobin variants in Cyprus. Hemoglobin 2009;33(2):81-94.

74. Lederer CW, Basak AN, Aydinok Y, Christou S, El-Beshlawy A, Eleftheriou A, et al. An electronic infrastructure for research and treatment of the thalassemias and other hemoglobinopathies: the Euro-mediterranean ITHANET project. Hemoglobin 2009;33(3):163-76.

75. Lee YB, Bantounas I, Lee DY, Phylactou L, Caldwell MA, Uney JB. Twist-1 regulates the miR-199a/214 cluster during development. Nucleic Acids Res 2009;37(1):123-8.

76. Liehr T, Stumm M, Wegner RD, Bhatt S, Hickmann P, Patsalis PC, et al. 10p11.2 to 10q11.2 is a yet unreported region leading to unbalanced chromosomal abnormalities without phenotypic consequences. Cytogenet Genome Res 2009;124(1):102-5.

77. Loizidou MA, Michael T, Neuhausen SL, Newbold RF, Marcou Y, Kakouri E, et al. DNA-repair genetic polymorphisms and risk of breast cancer in Cyprus. Breast Cancer Res Treat 2009;115(3):623-7.

78. Loizou CP, Pantziaris M, Pattichis MS, Kyriakou E, Pattichis CS. "Ultrasound image texture analysis of the intima and media layers of the common carotid artery and its correlation with age and gender," Computerized Medical Imaging and Graphics, vol. 33, no.4, pp. 317- 324, 2009.

79. Loizou Christos P., Víctor Murray, Marios S. Pattichis, Christodoulos S. Christodoulou, Marios Pantziaris, Andrew Nicolaides, Constantinos S. Pattichis: AM-FM Texture Image Analysis of the Intima and Media Layers of the Carotid Artery. ICANN (2) 2009: 885-894.

80. Loizou CP, Pattichis CS, Nicolaides AN, Pantziaris M. Manual and automated media and intima thickness measurements of the common carotid artery. IEEE Trans Ultrason Ferroelectr Freq Control 2009;56(5):983-94.

81. Lu DY, Qian J, Easley KA, Waldrop SM, Cohen C. Automated in situ hybridization and immunohistochemistry for cytomegalovirus detection in paraffin-embedded tissue sections. Appl Immunohistochem Mol Morphol 2009;17(2):158-64.

82. Mintchev N, Zamba-Papanicolaou E, Kleopa KA, Christodoulou K. A novel ALS2 splice-site mutation in a Cypriot juvenile-onset primary lateral sclerosis family. Neurology 2009;72(1):28-32.

83. Neocleous V, Ioannou YS, Bartsota M, Costi C, Skordis N, Phylactou LA. Rare mutations in the CYP21A2 gene detected in congenital adrenal hyperplasia. Clin Biochem 2009;42(13-14):1363-7.

84. Papageorgiou EA, Fiegler H, Rakyan V, Beck S, Hulten M, Lamnissou K, et al. Sites of differential DNA methylation between placenta and peripheral blood: molecular markers for noninvasive prenatal diagnosis of aneuploidies. Am J Pathol 2009;174(5):1609-18.

85. Pattichis Marios, Constantinos Pattichis, Christodoulos Christodoulou, Andies Nicolaides, Victor Murray, Pantzaris Marios, Nicolas Tsapatsoulis. AM-FM Texture Image Analysis and Retrieval of the Intima and Media Layers of the Carotid Artery" (#1569210283) has been accepted for publication in the proceedings of the 19th International Conference on Artificial Neural Networks (ICANN 2009) to be held in Limassol, Cyprus on September 14-17, 2009.

86. Patsalis PC, Editor. The Cyprus Institute of Neurology and Genetics Newletter, Issues 1-4, 2009. ISSN: 1986-2105.

87. Pierides A, Voskarides K, Athanasiou Y, Ioannou K, Damianou L, Arsali M, et al. Clinico-pathological correlations in 127 patients in 11 large pedigrees, segregating one of three heterozygous mutations in the COL4A3/ COL4A4 genes associated with familial haematuria and significant late progression to proteinuria and chronic kidney disease from focal segmental glomerulosclerosis. Nephrol Dial Transplant 2009;24(9):2721-9.

88. Sargiannidou I, Vavlitou N, Aristodemou S, Hadjisavvas A, Kyriacou K, Scherer SS, et al. Connexin32 mutations cause loss of function in Schwann cells and oligodendrocytes leading to PNS and CNS myelination defects. J Neurosci 2009;29(15):4736-49.

89. Yanakakis N, Diéterlen F, Neocleous V, Phylactou L, Lucotte G. Carrier frequencies of the common GJB2 (connexin-26) 35delG mutation in the Greek-Turkish area: predominance of the mutation in Crete. . International Journal of Modern Anthropology 2009;2:11-23.

90. Yoon G, Westmacott R, Macmillan L, Quercia N, Koutsou P, Georghiou A, et al. Complete deletion of the aprataxin gene: ataxia with oculomotor apraxia type 1 with severe phenotype and cognitive deficit. BMJ Case Rep 2009;2009.

91. Zamba-Papanicolaou E, Koutsou P, Daiou C, Gaglia E, Georghiou A, Christodoulou K. High frequency of Friedreich's ataxia carriers in the Paphos district of Cyprus. Acta Myol 2009;28(1):24-6.

## 2008

92. Akbari MT, Izadi P, Izadyar M, Kyriacou K, Kleanthous M. Molecular basis of thalassemia intermedia in Iran. Hemoglobin 2008;32(5):462-70.

93. Aymé S, Matthijs G, Soini S, Anastasiadou V et al.; ESHG Working Party on Patenting and Licensing. Patenting and licensing in genetic testing: recommendations of the European Society of Human Genetics. Eur J Hum Genet, Suppl 1:S10-9, 2008.

94. Bashiardes S, Richter J, Christodoulou CG. An in-house method for the detection and quantification of HCV in serum samples using a TaqMan assay real time PCR approach. Clin Chem Lab Med 2008;46(12):1729-31.

95. Butinar D, Starr A, Zidar J, Koutsou P, Christodoulou K. Auditory nerve is affected in one of two different point mutations of the neurofilament light gene. Clin Neurophysiol 2008;119(2):367-75.

96. Felekis X, Phylactides M, Drousiotou A, Christou S, Kyrri A, Kyriakou K, et al. Hb Agrinio [alpha29(B10)Le-->uPro (alpha2)] in combination with --(MED I). Results in a severe form of Hb H disease. Hemoglobin 2008;32(3):237-46.

97. Hjiantoniou E, Anayasa M, Nicolaou P, Bantounas I, Saito M, Iseki S, et al. Twist induces reversal of myotube formation. Differentiation 2008;76(2):182-92.

98. Irwin J, Saunier J, Strouss K, Paintner C, Diegoli T, Sturk K, et al. Mitochondrial control region sequences from northern Greece and Greek Cypriots. *Int J Legal Med* 2008;122(1):87-9.

99. Kitsiou-Tzeli S, Sismani C, Karkaletsi M, Florentin L, Anastassiou A, Koumbaris G, et al. Prenatal diagnosis of a de novo partial trisomy 10p12.1-12.2 pter originating from an unbalanced translocation onto 15qter and confirmed with array CGH. Prenat Diagn 2008;28(8):770-2.

100. Kitsiou-Tzeli S, Sismani C, Koumbaris G, Ioannides M, Kanavakis E, Kolialexi A, et al. Distal del(4) (q33) syndrome: detailed clinical presentation and molecular description with array-CGH. Eur J Med Genet 2008;51(1):61-7.

101. Kolnagou A, Michaelides Y, Kontos C, Kyriacou K, Kontoghiorghes GJ. Myocyte damage and loss of myofibers is the potential mechanism of iron overload toxicity in congestive cardiac failure in thalassemia. Complete reversal of the cardiomyopathy and normalization of iron load by deferiprone. Hemoglobin 2008;32(1-2):17-28.

102. Kousoulidou L, Mannik K, Sismani C, Zilina O, Parkel S, Puusepp H, et al. Array-MAPH: a methodology for the detection of locus copy-number changes in complex genomes. Nat Protoc 2008;3(5):849-65.

103. Kousoulidou L, Mannik K, Zilina O, Parkel S, Palta P, Remm M, et al. Application of two different microarray-based copy-number detection methodologies--array-comparative genomic hybridization and array-multiplex amplifiable probe hybridization--with identical amplifiable target sequences. Clin Chem Lab Med 2008;46(5):722-4.

104. Loizidou MA, Michael T, Neuhausen SL, Newbold RF, Marcou Y, Kakouri E, et al. Genetic polymorphisms in the DNA repair genes XRCC1, XRCC2 and XRCC3 and risk of breast cancer in Cyprus. Breast Cancer Res Treat 2008;112(3):575-9.

105. Loizou C P , Pantziaris M, Nicolaides A, Spanias A, Pattichis MS, Pattichis CS. Ultrasound imaging media layer texture analysis of the carotid artery. BIBE 2008: 1-6.

106. Mastroyiannopoulos NP, Chrysanthou E, Kyriakides TC, Uney JB, Mahadevan MS, Phylactou LA. The effect of myotonic dystrophy transcript levels and location on muscle differentiation. Biochem Biophys Res Commun 2008;377(2):526-31.

107. Nicolaou P, Georghiou A, Votsi C, Middleton LT, Zamba-Papanicolaou E, Christodoulou K. A novel c.5308_5311delGAGA mutation in Senataxin in a Cypriot family with an autosomal recessive cerebellar ataxia. BMC Med Genet 2008;9:28.

108. Papacostas S, Malikides A, Petsa M, Kyriakides T. Ten-year mortality from Creutzfeldt-Jakob disease in Cyprus. East Mediterr Health J 2008;14(3):715-9.

109. Papasavva T, Kalikas I, Kyrri A, Kleanthous M. Arrayed primer extension for the noninvasive prenatal diagnosis of beta-thalassemia based on detection of single nucleotide polymorphisms. Ann N Y Acad Sci 2008;1137:302-8.

110. Papathanasion ES, Papacostas SS. Sleep-related breathing disorders in children with vagal nerve stimulators. Pediatr Neurol 2008;39(2):142; author reply 42.

111. Papathanasiou ES, Papacostas SS. Flash electroretinography: normative values with surface skin electrodes and no pupil dilation using a standard stimulation protocol. Doc Ophthalmol 2008;116(1):61-73.

112. Parson W, Niederstatter H, Lindinger A, Gill P. Y-STR analysis on DNA mixture samples--results of a collaborative project of the ENFSI DNA Working Group. *Forensic Sci Int Genet* 2008;2(3):238-42.

113. Patsalis PC, Editor. The Cyprus Institute of Neurology and Genetics Newletter, Issue 1, November 2008. ISSN: 1986-2105.

114. Richter J, Bashiardes S, Koptides D, Tryfonos C, Pissarides N, Stavrou N, et al. 2005 poliovirus eradication: poliovirus presence in Cyprus 2 years after. Water Sci Technol 2008;58(3):647-51.

115. Sargiannidou I, Ahn M, Enriquez AD, Peinado A, Reynolds R, Abrams C, et al. Human oligodendrocytes express Cx31.3: function and interactions with Cx32 mutants. Neurobiol Dis 2008;30(2):221-33.

116. Savvaki M, Panagiotaropoulos T, Stamatakis A, Sargiannidou I, Karatzioula P, Watanabe K, et al. Impairment of learning and memory in TAG-1 deficient mice associated with shorter CNS internodes and disrupted juxtaparanodes. Mol Cell Neurosci 2008;39(3):478-90.

117. Sismani C, Kitsiou-Tzeli S, Ioannides M, Christodoulou C, Anastasiadou V, Stylianidou G, et al. Cryptic genomic imbalances in patients with de novo or familial apparently balanced translocations and abnormal phenotype. Mol Cytogenet 2008;1:15.

118. Soini S, Aymé S, Matthijs G, Anastasiadou V et al; Public and Professional Policy Committee and Patenting and Licensing Committee. Patenting and licensing in genetic testing: ethical, legal, and social issues. Eur J Hum Genet, Suppl 1:S10-50, 2008.

119. Xenophontos S, Hadjivassiliou M, Karagrigoriou A, Demetriou N, Miltiadous G, Marcou I, et al. Low HDL cholesterol, smoking and IL-13 R130Q polymorphism are associated with myocardial infarction in Greek Cypriot males. A pilot study. Open Cardiovasc Med J 2008;2:52-9.

120. Yoon G, Westmacott R, MacMillan L, Quercia N, Koutsou P, Georghiou A, et al. Complete deletion of the aprataxin gene: ataxia with oculomotor apraxia type 1 with severe phenotype and cognitive deficit. J Neurol Neurosurg Psychiatry 2008;79(2):234-6.

121. Zahed L, Sismani C, Ioannides M, Saleh M, Koumbaris G, Kenj M, et al. Molecular and clinical description of a girl with a 46,X,t(Y;4)(q11.2;p16)/45,X,der(4)t(Y;4)(q11.2;p16) karyotype and a small cryptic 4p subtelomeric deletion. Am J Med Genet A 2008;146(7):893-8.

122. Zouvani I, Aristodemou S, Hadjisavvas A, Michael T, Vassiliou M, Patsias C, et al. Incidence of thin basement membrane nephropathy in 990 consecutive renal biopsies examined with electron microscopy. Ultrastruct Pathol 2008;32(6):221-6.

## 2007

123. Antoniades L, Eftychiou C, Kyriakides T, Christodoulou K, Katritsis DG. Malignant mutation in the lamin A/C gene causing progressive conduction system disease and early sudden death in a family with mild form of limb-girdle muscular dystrophy. J Interv Card Electrophysiol 2007;19(1):1-7.

124. Bataller L, Kleopa KA, Wu GF, Rossi JE, Rosenfeld MR, Dalmau J. Autoimmune limbic encephalitis in 39 patients: immunophenotypes and outcomes. J Neurol Neurosurg Psychiatry 2007;78(4):381-5.

125. Christidis DS, Liberopoulos EN, Kakafika AI, Miltiadous GA, Liamis GL, Kakaidi B, et al. Effect of paraoxonase 1 polymorphisms on the response of lipids and lipoprotein-associated enzymes to treatment with fluvastatin. Arch Med Res 2007;38(4):403-10.

126. Cremonesi L, Ferrari M, Giordano PC, Harteveld CL, Kleanthous M, Papasavva T, et al. An overview of current microarray-based human globin gene mutation detection methods. Hemoglobin 2007;31(3):289-311.

127. Doherty R, Lubinski J, Manguoglu E, Luleci G, Christie M, Craven P, et al. Short report. The AIDIT and IMPACT conference 2006: Outcomes and future directions. Hered Cancer Clin Pract 2007;5(1):53-5.

128. Hastings RJ, Cavani S, Bricarelli FD, Patsalis PC, Kristoffersson U. Cytogenetic Guidelines and Quality Assurance: a common European framework for quality assessment for constitutional and acquired cytogenetic investigations. Eur J Hum Genet 2007;15(5):525-7.

129. Hawkins RD, Bashiardes S, Powder KE, Sajan SA, Bhonagiri V, Alvarado DM, et al. Large scale gene expression profiles of regenerating inner ear sensory epithelia. PLoS One 2007;2(6):e525.

130. Kitsiou-Tzeli S, Sismani C, Ioannides M, Bashiardes S, Ketoni A, Touliatou V, et al. Array-CGH analysis and clinical description of 2q37.3 de novo subtelomeric deletion. Eur J Med Genet 2007;50(1):73-8.

131. Kousoulidou L, Parkel S, Zilina O, Palta P, Puusepp H, Remm M, et al. Screening of 20 patients with X-linked mental retardation using chromosome X-specific array-MAPH. Eur J Med Genet 2007;50(6):399-410.

132. Loizidou M, Marcou Y, Anastasiadou V, Newbold R, Hadjisavvas A, Kyriacou K. Contribution of BRCA1 and BRCA2 germline mutations to the incidence of early-onset breast cancer in Cyprus. Clin Genet 2007;71(2):165-70.

133. Loizou CP, Pattichis CS, Pantziaris M, Nicolaides A. An integrated system for the segmentation of atherosclerotic carotid plaque. IEEE Trans Inf Technol Biomed 2007;11(6):661-7.

134. Loizou CP, Pattichis CS, Pantziaris M, Tyllis T, Nicolaides A. Snakes based segmentation of the common carotid artery intima media. Med Biol Eng Comput 2007;45(1):35-49.

135. Pantelidou M, Zographos SE, Lederer CW, Kyriakides T, Pfaffl MW, Santama N. Differential expression of molecular motors in the motor cortex of sporadic ALS. Neurobiol Dis 2007;26(3):577-89.

136. Papacostas S, Kkolou E, Papathanasiou E. Levetiracetam in three cases of progressive myoclonus epilepsy. Pharm World Sci 2007;29(3):164-6.

137. Papacostas SS, Myrianthopoulou P, Dietis A, Papathanasiou ES. Induction of central-type sleep apnea by vagus nerve stimulation. Electromyogr Clin Neurophysiol 2007;47(1):61-3.

138. Papacostas SS, Papathanasiou ES, Myrianthopoulou P, Stylianidou G. Tuberous sclerosis successfully treated with levetiracetam monotherapy: 18 months of follow-up. Pharm World Sci 2007;29(4):350-2.

139. Papastavrou E, Kalokerinou A, Papacostas SS, Tsangari H, Sourtzi P. Caring for a relative with dementia: family caregiver burden. J Adv Nurs 2007;58(5):446-57.

140. Papathanasiou ES, Papacostas SS. Neurogenic vestibular evoked potentials in multiple sclerosis patients. J Vestib Res 2007;17(4):205.

141. Patsalis PC, Kousoulidou L, Mannik K, Sismani C, Zilina O, Parkel S, et al. Detection of small genomic imbalances using microarray-based multiplex amplifiable probe hybridization. Eur J Hum Genet 2007;15(2):162-72.

142. Patsalis PC. Complex chromosomal rearrangements. Genet Couns 2007;18(1):57-69.

143. Saunders CJ, September AV, Xenophontos SL, Cariolou MA, Anastassiades LC, Noakes TD, et al. No association of the ACTN3 gene R577X polymorphism with endurance performance in Ironman Triathlons. Ann Hum Genet 2007;71(Pt 6):777-81.

144. Tofaris GK, Revesz T, Jacques TS, Papacostas S, Chataway J. Adult-onset neurodegeneration with brain iron accumulation and cortical alpha-synuclein and tau pathology: a distinct clinicopathological entity. Arch Neurol 2007;64(2):280-2.

145. Tzoufi M, Kanioglou C, Dasoula A, Asproudis I, Tsatsoulis A, Sismani C, et al. Mosaic trisomy r(14) associated with epilepsy and mental retardation. J Child Neurol 2007;22(7):869-73.

146. Velissariou V, Sismani C, Christopoulou S, Kaminopetros P, Hatzaki A, Evangelidou P, et al. Loss of the Y chromosome PAR2 region and additional rearrangements in two familial cases of satellited Y chromosomes: cytogenetic and molecular analysis. Eur J Med Genet 2007;50(4):291-300.

147. Verma IC, Kleanthous M, Saxena R, Fucharoen S, Winichagoon P, Raizuddin S, et al. Multicenter study of the molecular basis of thalassemia intermedia in different ethnic populations. Hemoglobin 2007;31(4):439-52.

148. Vermeesch JR, Fiegler H, de Leeuw N, Szuhai K, Schoumans J, Ciccone R, et al. Guidelines for molecular karyotyping in constitutional genetic diagnosis. Eur J Hum Genet 2007;15(11):1105-14.

149. Voskarides K, Damianou L, Neocleous V, Zouvani I, Christodoulidou S, Hadjiconstantinou V, et al. COL4A3/COL4A4 mutations producing focal segmental glomerulosclerosis and renal failure in thin basement membrane nephropathy. J Am Soc Nephrol 2007;18(11):3004-16.

## 2006

150. Bashiardes S, Salame N, Patsalis PC. Evaluation of whole-genome amplification using multiple-displacement amplification of a limited number of cells. Clin Chem Lab Med 2006;44(9):1158-60.

151. Bricarelli FD, Kristofferson U, Hastings RJ, Cavani S (European Cytogenetic Association Permanent Working Group for Cytogenetics and Society) with

contribution from Patsalis PC. European Cytogenetics Association Guidelines and Quality Assurance. European Cytogenetics Association Newsletter 17:13-32, 2006.

152. Cariolou MA, Manoli P, Demetriou N, Bashiardes E, Karagrigoriou A, Budowle B. Allele distribution of 15 STR loci used for human identity purposes in the Greek Cypriot population of the island of Cyprus. Forensic Sci Int 2006;164(1):75-8.

153. Christidis DS, Liberopoulos EN, Kakafika AI, Miltiadous GA, Cariolou M, Ganotakis ES, et al. The effect of apolipoprotein E polymorphism on the response to lipid-lowering treatment with atorvastatin or fenofibrate. J Cardiovasc Pharmacol Ther 2006;11(3):211-21.

154. Georgiou DM, Nicolaou P, Chitayat D, Koutsou P, Babul-Hirji R, Vajsar J, et al. A novel GDAP1 mutation 439delA is associated with autosomal recessive CMT disease. Can J Neurol Sci 2006;33(3):311-6.

155. Georgiou TK, Phylactou LA, Patrickios CS. Synthesis, characterization, and evaluation as transfection reagents of ampholytic star copolymers: effect of star architecture. Biomacromolecules 2006;7(12):3505-12.

156. Hadjisavvas A, Papasavva T, Loizidou M, Malas S, Potamitis G, Christodoulou C, et al. Novel germline mutations in the APC gene of Cypriot patients with familial and sporadic adenomatous polyposis. Clin Genet 2006;69(5):404-9.

157. Kleanthous M, Patsalis PC, Drousiotou A, Motazacker M, Christodoulou K, Cariolou M, et al. The cypriot and Iranian National Mutation Frequency Databases. Hum Mutat 2006;27(6):598-9.

158. Kleopa KA, Drousiotou A, Mavrikiou E, Ormiston A, Kyriakides T. Naturally occurring utrophin correlates with disease severity in Duchenne muscular dystrophy. Hum Mol Genet 2006;15(10):1623-8.

159. Kleopa KA, Elman LB, Lang B, Vincent A, Scherer SS. Neuromyotonia and limbic encephalitis sera target mature Shaker-type K+ channels: subunit specificity correlates with clinical manifestations. Brain 2006;129(Pt 6):1570-84.

160. Kleopa KA, Scherer SS. Molecular genetics of X-linked Charcot-Marie-Tooth disease. Neuromolecular Med 2006;8(1-2):107-22.

161. Kleopa KA, Zamba-Papanicolaou E, Alevra X, Nicolaou P, Georgiou DM, Hadjisavvas A, et al. Phenotypic and cellular expression of two novel connexin32 mutations causing CMT1X. Neurology 2006;66(3):396-402.

162. Kourea HP, Koutras AK, Zolota V, Grimani I, Tzoracoeleftherakis E, Koukouras D, et al. Expression of p27KIP1, p21WAF1 and p53 does not correlate with prognosis in node-negative invasive ductal carcinoma of the breast. Anticancer Res 2006;26(2B):1657-68.

163. Kyriacou K, Kyriakides T. Mitochondrial encephalomyopathies: a review of routine morphological diagnostic methods with emphasis on the role of electron microscopy. J Submicrosc Cytol Pathol 2006;38(2-3):201-8.

164. Loizou CP, Pattichis CS, Pantziaris M, Tyllis T, Nicolaides A. Quality evaluation of ultrasound imaging in the carotid artery based on normalization and speckle reduction filtering. Med Biol Eng Comput 2006;44(5):414-26.

165. Miltiadous G, Saougos V, Cariolou M, Elisaf MS. Plasma lipoprotein(a) levels and LDL-cholesterol lowering response to statin therapy in patients with heterozygous familial hypercholesterolemia. Ann Clin Lab Sci 2006;36(3):353-5.

166. Neocleous V, Aspris A, Shahpenterian V, Nicolaou V, Panagi C, Ioannou I, et al. High frequency of 35delG GJB2 mutation and absence of del(GJB6-D13S1830) in Greek Cypriot patients with nonsyndromic hearing loss. Genet Test 2006;10(4):285-9.

167. Neocleous V, Portides G, Anastasiadou V, Phylactou LA. Determination of the carrier frequency of the common GJB2 (connexin-26) 35delG mutation in the Greek Cypriot population. Int J Pediatr Otorhinolaryngol 2006;70(8):1473-7.

168. Orphanou M, Leontidis E, Kyprianidou-Leodidou T, Caseri W, Krumeich F, Kyriacou KC. Formation mechanism of nanotubes comprising layers of PbS nanoparticles in polymer-surfactant solutions. J Colloid Interface Sci 2006;302(1):170-7.

169. Papacostas SS, Myrianthopoulou P, Papathanasiou E. Epileptic seizures followed by nonepileptic manifestations: a video-EEG diagnosis. Electromyogr Clin Neurophysiol 2006;46(6):323-7.

170. Papasavva T, Kalakoutis G, Kalikas I, Neokli E, Papacharalambous S, Kyrri A, et al. Noninvasive prenatal diagnostic assay for the detection of beta-thalassemia. Ann N Y Acad Sci 2006;1075:148-53.

171. Papathanasiou ES, Papacostas SS, Charalambous M, Eracleous E, Thodi C, Pantzaris M. Vertigo and imbalance caused by a small lesion in the anterior insula. Electromyogr Clin Neurophysiol 2006;46(3):185-92.

172. Papathanasiou ES, Theocharidou EK, Papacostas SS. Parallel auditory vestibular evoked neurogenic and myogenic potential results in a case of peripheral vestibular dysfunction, showing that the former originates from the vestibular system. Electromyogr Clin Neurophysiol 2006;46(2):105-11.

173. Patsalis PC. Response to the Alvarez Nava and Puerta "Y-chromosome microdeletions in 45,X/46,XY patients". Am J Med Genet A 2006;140(11):1251-2.

174. Pavlou E, Phylactides M, Kyrri A, Kalogerou E, Makariou C, Georgiou I, et al. Delta-thalassemia in Cyprus. Hemoglobin 2006;30(4):455-62.

175. Richter J, Koptides D, Tryfonos C, Christodoulou C. Molecular typing of enteroviruses associated with viral meningitis in Cyprus, 2000-2002. J Med Microbiol 2006;55(Pt 8):1035-41.

176. Saunders CJ, de Milander L, Hew-Butler T, Xenophontos SL, Cariolou MA, Anastassiades LC, et al. Dipsogenic genes associated with weight changes during Ironman Triathlons. Hum Mol Genet 2006;15(20):2980-7.

177. Saunders CJ, Xenophontos SL, Cariolou MA, Anastassiades LC, Noakes TD, Collins M. The bradykinin beta 2 receptor (BDKRB2) and endothelial nitric oxide synthase 3 (NOS3) genes and endurance performance during Ironman Triathlons. Hum Mol Genet 2006;15(6):979-87.

178. Skordis N, Michaelidou M, Savva SC, Ioannou Y, Rousounides A, Kleanthous M, et al. The impact of genotype on endocrine complications in thalassaemia major. Eur J Haematol 2006;77(2):150-6.

179. Soini S, Ibarreta D, Anastasiadou V, Ayme S, Braga S, Cornel M, Coviello DA, Evers-Kiebooms G, Geraedts J, Gianaroli L, Harper J, Kosztolanyi G, Lundin K, Rodrigues-Cerezo E, Sermon K, Sequeiros J, Tranebjaerg L, Kaariainen H; ESHG; ESHRE. The interface between assisted reproductive technologies and genetics: technical, social, ethical and legal issues. Eur J Hum Genet., 14(5):588-645, 2006.

180. Stern BV, Baehring JM, Kleopa KA, Hochberg FH. Multifocal motor neuropathy with conduction block associated with metastatic lymphoma of the nervous system. J Neurooncol 2006;78(1):81-4.

181. Tsezou A, Karachalios T, Fytili P, Giannatou E, Christodoulou K, Hadjigeorgiou GM, et al. Absence of linkage to chromosomes 6q and 16p in a Greek population with knee osteoarthritis. J Orthop Res 2006;24(9):1900-5.

182. Vincent A, Lang B, Kleopa KA. Autoimmune channelopathies and related neurological disorders. Neuron 2006;52(1):123-38.

# BOOK CONTRIBUTIONS

## 2006-2011

1. Hadjisavvas A, Loizidou M, Adamou A, Markou Y, Christodoulou CG, Kyriacou K. Genetic epidemiology of breast cancer; the experience in Cyprus. Nicosia, 2006.
2. Kleopa K, T K. Cancer and the peripheral Nervous System: New York, 2007.
3. Kleopa K. Hereditary Spastic Paraparesis. New York: Taylor and Francis, 2006.
4. Kousoulidou L, Sismani C and Patsalis PC. Multiplex Amplifiable Probe Hybridization (MAPH) methodology as an alternative to Comparative Genomic Hybridization (CGH). *Methods in Molecular Biology 653,* Cancer Susceptibility, Methods and protocols (Ed Michelle Webb), Humana Press, ISBN: 1064-3745. 2010.
5. Kyriakides T, Angelini C, Schaefer J, Sacconi S, Siciliano G, Vilchez J, et al. Diagnostic approach to pauci- or asymptomatic hyperCKemia.
6. Loizou C, Pattichis CS, Christodoulou C, Istepanian R, Pantzaris M, A N. Despeckle Filtering in Ultrasound Imaging of the Carotid Artery, in Recent Advances in Diagnostic and Therapeutic 3-D Ultrasound Imaging for Medical Applications: Artech House, MA, USA, 2007.
7. Loizou C, Pattichis CS, Pantzaris M, Tyllis T, A N. Quality Evaluation in Ultrasound Imaging of the Carotid Artery, in Recent Advances in Diagnostic and Therapeutic 3-D Ultrasound Imaging for Medical Applications: Artech House, MA, USA, 2007.
8. Loizou CP PM, Pattichis CS. Media and Intima Thickness and Texture Analysis of the Common Carotid Artery (Chapter 7): Springer Publishing Company, London, UK, 2011.
9. Mastroyiannopoulos N, Koutsoulidou A, Phylactou L. Myotonic Dystrophy Type 1: Focus on the RNA pathology and therapy: InTech Publishers "Muscular Dystrophy", In preparation.
10. Neocleous V, Costi C, Phylactou L. The genetic basis of inherited hearing loss. In Hearing Loss: Classification, causes and treatment. : Novapublishers., 2011.

11. Panayides A, Pattichis MS, Pattichis CS, Loizou CP, Pantziaris M, A P. Towards Diagnostically Robust Medical Ultrasound Video Streaming using H.264, in Biomedical Engineering: IN-TECH, Vienna, Austria, 2009.

12. Papastavrou E, Kalokairinou A, Sourtzi P, Papacostas S, Tsangari H. The pilot results of the family burden experienced by families with a member suffering from dementia: The health inequalities perspective: Cidadania, Lisboa, Edicoes Colibri/ CIDEHUS/UE, 2007.

13. Patsalis PC, Editor. The Cyprus Institute of Neurology and Genetics: A Center of Exellence 2009. ISBN: 978-9963-9752-0-4.

14. Pattichis C, Christodoulou C, Kyriakou E, Pantzaris M, Nikolaides A, Pattichis M, Loizou C. Ultrasonic imaging of Carotids Atherosclerosis, Chapter in Wiley Encyclopaedia of Biomedical Engineering, 2006, John Wiley Son eds, pp 1-10.

15. Pattichis C, Schnorrenberg F, Tsapatsoulis N, Schizas C, Pattichis M, Kyriacou K. Chapter 23: A Biopsy Analysis Support System for the Detection and Classification of Breast Cancer Nuclei: American Scientific Publishers, 2007.

16. Sismani C, Kousoulidou L and Patsalis PC. Molecular Biomethods Handbook Chapter 13: Multiplex Amplifiable Probe Hybridization. (Eds Walker, JM and Rapley R), 2nd edition, Humana Press USA. ISBN: 978-1-60327-370-1, 2008.

# ABSTRACTS

## ORAL PRESENTATIONS

### 2011

1. Anastasiadou V. “Genetic counseling in cancer patients”, Bank of Cyprus Oncology Centre February 10th, 2011.
2. Anastasiadou V. “Primer on genetic counseling”, 2nd International Conference of the Cyprus Society of Human Genetics, 26-27 November, 2010 Nicosia, Cyprus.
3. Anastasiadou V. “The role of diagnosis and genetic counselling in the inclusion of patients with rare diseases”, Inclusion Europe Conference, 2011, Larnaca, Cyprus
4. Anastasiadou V. “Γενετικές ασθένειες στον Κυπριακό πληθυσμο”, για το Σύνδεσμο «ΦΙΛΑΝΘΕΙΣ και ΙΚΕΠΑΝΑ», 11 Ιανουαρίου 2011 Λευκωσία, Κύπρος.
5. Anastasiadou V. “Κλινική γενετικών νοσημάτων και σπάνια νοσήματα”, για τη συμμαχία Κυπρίων ασθενών με σπάνια νοσήματα CARD.
6. Anastasiadou V. “Σπάνια νοσήματα: Ευρωπαϊκή διάσταση, Εθνική Στρατηγική”.
7. Anastasiadou V. “Σπάνια νοσήματα-πρόληψη και έγκαιρη διάγνωση στην Κύπρο” 2011.
8. Christodoulou Christina. “Human Papillomavirus (HPV): Where do we stand today?” 5th Congress of Clinical Chemistry and Laboratory Medicine, Limassol, March 2011.
9. Kleanthous M. “Non-invasive PND of the haemoglobinopathies - an emerging reality. Sickle cell in focus 2011”, London, UK, 16-17 June 2011.
10. Loizidou M, Hadjisavvas A, Marcou Y, Kakouri E, Kyriacou K. “Genetic variation in DNA repair genes and risk of breast cancer in the Cypriot population: a case-control study”. 2011 Bi-annual Cyprus Anti-Cancer Society International Symposium, Limassol, Cyprus, 11-13 March 2011.
11. Neocleous V, Shammas C, Andreou E, Picolos M, Toumba M, Kaffe K, Kyriakides TC, Skordis N and Phylactou LA. Hyperandrogenism in heterozygous Congenital

Adrenal Hyperplasia females with 21-hydroxylase deficiency. The 93rd Annual Meeting & Expo, The Endocrine Society. June 4-7 2011 in Boston, Massachusetts.

12. Pafiti KS, Mastroyiannopoulos NP, Phylactou LA. and Patrickios CS. "Cationic Star Polymers for siRNA Transfection: Synthesis, Characterization and Evaluation." 4th WCU Symposium on Nanobio Materials and Electronics. 4-7 May 2011. University of Münster, Germany.

13. Papageorgiou E A, Karagrigoriou A, Tsaliki E, Velissariou V, Carter NP, Patsalis PC. "Development and Validation of non-invasive prenatal diagnostic test for trisomy 21." European Human Genetics Conference 2011. Amsterdam, The Netherlands, May 28-31, 2011.

14. Papageorgiou E, Karagrigoriou A, Tsaliki E, Velissariou V, Carter N, Patsalis P. Development and validation of non-invasive prenatal diagnostic test for trisomy 21. 8th European Cytogenetics Conference, Porto, Portugal, July 2-5, 2011. Chromosome Research 19:S35.

15. Papasavva Th, van Ijcken WFJ, Kockx CEM, Grosveld FG, Kleanthous M. "High throughput sequencing enables non invasive prenatal diagnosis of beta thalassaemia using SNPs." 11th International Symposium on Mutations in the Genome, Santorini, Greece, 6-10 June 2011.

16. Skordis N, Shammas C, Efstathiou E, Kaffe K, Kyriakides TC, Neocleous V and Phylactou LA. Endocrine, metabolic profile and phenotype-genotype correlation in patients with Non Classical Congenital Adrenal Hyperplasia. The 93rd Annual Meeting & Expo, The Endocrine Society. June 4-7 2011 in Boston, Massachusetts.

## 2010

17. Anastasiadou V. "TAG project", CYPRUS DATA. Rome, October 22-23, 2010.

18. Anastasiadou V. "Adolescence to Adulthood of children with special needs and children with rare genetic conditions", International Conference "From Adolescence to Adulthood-Normality and Psychopathology" Larnaca, Cyprus 10 September 2010.

19. Anastasiadou V. "Challenges in genetic counseling", 2nd International Conference of the Cyprus Society of Human Genetics, 26-27 November 2010, Nicosia,Cyprus.

20. Anastasiadou V. "Clinical Genetics Clinic", 11th May 2010.

21. Anastasiadou V. "Genetic Counselling and Ethical issues", 28th May 2010. Καταγραφή των γενετικών νοσημάτων στον Κυπριακό πληθυσμό. Εαρινές Ημέρες –Μετεκπαιδευτικό Σεμινάριο Παιδιατρικής Κλινικής του Νοσοκομείου Αρχ. Μακάριος, Λευκωσία, 15 Μαΐου 2010.

22. Anastasiadou V. "Εθνική Στρατηγική για τα Σπάνια Νοσήματα" Παρουσίαση 22 Μαρτίου 2010, Υπουργείο Υγείας, Λευκωσία, Κύπρος.

23. Anastasiadou V. "Πνευματική καθυστέρηση. Από τη σκοπιά του κλινικού γενετιστή". Τμήμα παιδιατρικής , NAM III, Λευκωσία, Απρίλιος 2010.

24. Behjati F and Patsalis PC. "New approches in clinical cytogenetics: Molecular karyotyping in postnatal and prenatal diagnosis." 11th Iranian Genetics Congress, 22-24 May, 2010, Tehran, Iran.

25. Christodoulou Christina. "The role of viral factors in Multiple Sclerosis." Scientific and informal seminar at the CING on the occasion of the International Multiple Sclerosis Day, Nicosia, May 2010.

26. Christou Y, Georghiou A, Koutsou P, Pantzaris M, Christodoulou K, Zamba-Papanicolaou E. "Epidemiology of Huntington disease in Cyprus." 5th Conference of Epidemiological Longitudinal Studies in Europe (CELSE2010), Paphos, Cyprus, 13-15 October, 2010.

27. Christou YP, Agathangelou P, Christodoulou K, Zamba-Papanicolaou E. "One-year clinical experience of use of deferiprone as treatment in Cypriot patients with Friedreich's ataxia." 14th Congress of the European Federation of Neurological Societies, Geneva, Switzerland, September 25-28, 2010.

28. Constantinidou F, Stavrou M, Christodoulou M, Themistocleous D, Papacostas SS. "The Relationship of AD8 and Cognitive Performance in Grrek Cypriot Adults: A Preliminary Study". 25th International Alzheimer's Disease Congress, 10-13 March, 2010, Thessaloniki, Greece.

29. Dardiotis E, Koutsou P, Zamba-Papanicolaou E, Vonta I, Kladi A, Vassilopoulos D, Hadjigeorgiou G, Christodoulou K, Kyriakides T. "Epidemiological, clinical and genetic study of familial amyloidotic polyneuropathy in Cyprus and the long term effects of liver transplantation." 5th Conference of Epidemiological Longitudinal Studies in Europe (CELSE2010), Paphos, Cyprus, 13-15 October, 2010.

30. Drousiotou A. "A Cypriot child with possible A-SUCLA/G-SUCLA deficiency". Workshop on Organic acid analysis for the diagnosis of inherited metabolic disorders, Nicosia, Cyprus, August 23–25 2010.

31. Drousiotou A. "Ethylmalonic encephalopathy". Paediatrics Department, Makarios Hospital, January 28, 2010.

32. Georgiou Th. "Aspartylglucosaminuria in two Cypriot sisters: A late diagnosis". SSIEM Academy, Manchester, UK, October 4-5, 2010.

33. Hadjisavvas A, Loizidou M, Flouri C, Neophytou I, Delikurt T, Aristidou-Spanou E, Daniel M, Kakouri E, Papadopoulos P, Malas S, Papamichael D, Klonis C, Ioannidis G, Marcou Y, Anastasiadou V, Kyriacou K. "Cancer Genetics services in Cyprus over the last five years". 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

34. Hadjisavvas A, Loizidou M, Vavlitou N, Delikurt T, Spanou E, Anastasiadou V, Daniel M, Kakouri E, Papadopoulos P, Malas S, Papamichael D, Klonis C, Ioannidis G, Markou Y, Kyriacou K. "Cancer Genetics Services in Cyprus". 10th Marianna Lordos Symposium, Larnaca, Cyprus, 12 - 14 March 2010.

35. Irani S, Waters P, Kleopa KA, Lang B, Vincent A. "Antibodies to components of the voltage-gated potassium channel- associated complex: LGI1 and CASPR2 as antigenic targets in limbic encephalitis, Morvan's and neuromyotonia." American Academy of Neurology 2010 Annual Meeting (LBS.001), Toronto, Canada (Neurology 2010, Vol 75, page 379).

36. Kleanthous M. "New Molecular diagnostic approaches for non-invasive prenatal diagnosis using cell free fetal DNA." International Society of Laboratory Haematology, 2010 Congress, Brighton, UK, 10-12 May 2010.

37. Kleanthous M. “Ithanet Portal.” Ithanet Workshop on the Ithanet Portal and the preparation of information material for thalassaemia. Nicosia, Cyprus, 17 October 2010.

38. Kleanthous M. “Molecular Genetics Thalassaemia Department.” CY-RO Bilateral Project Meeting, Romania, 26-29 September 2010.

39. Kleanthous M. “New Approaches in prenatal diagnosis.” Ithanet Workshop on the Ithanet Portal and the preparation of information material for Thalassaemia. Nicosia, Cyprus, 17 October 2010.

40. Kleanthous M. “New Approaches in Prenatal Diagnosis.” Scientific Days of the Dep. of Biochemistry & Microbiology. Damascus University. Damascus, Syria, 10-12 March 2010.

41. Kleanthous M. “New therapeutic approaches for haemoglobinopathies.” 2nd International Conference of the Cyprus Society of Human Genetics. Nicosia, Cyprus, 26-27 November 2010.

42. Kleanthous M. “Thalassaemia Prevention Programs – Phenotype/Genotype Correlation Studies on Haemoglobinopathies.” Thalassaemia Research: findings for better diagnosis and management Workshop, Bucharest, Romania, 28 September 2010.

43. Kleanthous M. “Thalassaemia Prevention Programs.” CY-RO Bilateral Project Meeting, Romania, 26-29 September 2010.

44. Kleanthous M. “TheThalassaemia Prevention Programs.” Scientific Days of the Dep. of Biochemistry & Microbiology. Damascus University. Damascus, Syria, 10-12 March 2010.

45. Kleanthous M. “Γονιδιακή Θεραπεία για την Θαλασσαιμία στην Κύπρο.” Pancyprian Thalassaemia Association Meeting. Nicosia, Cyprus, 9 April 2010.

46. Kleanthous M. “Πρόγραμμα Γονιδιακής Θεραπείας στην Κύπρο.” Ημερίδα για τη Γονιδιακή Θεραπεία. Nicosia, Cyprus, 5 December 2010.

47. Koptides D. “Human Papilloma virus Diagnostic Procedures – opinions and positions.” 10th Marianna Lordos Symposium, Larnaca, 12 - 14 March, 2010.

48. Koumbaris G, Hatzisevastou-Loukidou H, Alexandrou A, Ioannides M, Christodoulou C, Fitzgerald T, Rajan D, Clayton S, http://www.cell.com/AJHG/retrieve/pii/S0002929709002031 - aff5Kitsiou-Tzeli S, Vermeesch J, Skordis N, Antoniou P, Kurg A, Georgiou I, Carter NP, Patsalis PC. “FoSTeS/MMBIR and NAHR at the human proximal Xp region and the mechanisms of human Xq isochromosome formation.” 2nd International meeting of the Cyprus Society of Human Genetics, November 26-27 2010, Nicosia.

49. Lederer C. “Drug Therapy Approaches to the Thalassaemias.” Scientific Days of the Dep. of Biochemistry & Microbiology. Damascus University. Damascus, Syria, 10-12 March 2010.

50. Lederer C. “New Therapeutic Approaches for Thalassaemia.” Ithanet Workshop on the Ithanet Portal and the preparation of information material for Thalassaemia. Nicosia, Cyprus, 17 October 2010.

51. Lederer C. “New Therapeutic Approaches for Thalassaemia.” Ithanet Workshop on the Ithanet Portal and the preparation of information material for Thalassaemia. Nicosia, Cyprus, 17 October 2010.

52. Lederer C. “Γονιδιακή Θεραπεία για τη Θαλασσαιμία και Κλινική Εφαρμογή.” Ημερίδα για τη Γονιδιακή Θεραπεία. Nicosia, Cyprus, 5 December 2010.

53. Lederer Carsten. “Gene Therapy of β-thalassaemia.” 23rd Course in Medical Genetics Course. Nicosia, Cyprus, 23-28 May 2010.

54. Loizidou M, Daniel M, Kakouri E, Papadopoulos P, Malas S, Markou Y, Hadjisavvas A, Kyriacou K. “Genetic variation in DNA repair genes and risk of breast cancer in Cyprus”. 10th Marianna Lordos Symposium, Larnaca, Cyprus, 12 - 14 March 2010.

55. Loizidou M, Marcou Y, Kakouri E, Daniel M, Papadopoulos P, Malas S, Hadjisavvas A, Kyriacou K. “Genetic variation in DNA repair genes and risk of breast cancer in Cyprus”. 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

56. Markoullis K, Sargiannidou I, Hadjisavvas A, Reynolds R, Kleopa KA.“Differential Expression of Glial Gap Junction proteins during the progression of experimental autoimmune encephalomyelitis.” International Congress of Neuroimmunology, Sitges, Spain, 26-30 October, 2010.

57. Neocleous V, Shammas C, AndreouE, Ioannou YS, Toumba M, PicolosM, Skordis N and Phylactou LA. “Hyperandrogenism in heterozygous Congenital Adrenal Hyperplasia females with 21-hydroxylase deficiency.” 2nd International Conference of the Cyprus Society of Human Genetics, 25-26 November 2010, Nicosia Cyprus.

58. Nicolaou P, Zamba-Papanicolaou E, Koutsou P, Kleopa KA, Georghiou A, Kyriakides T, Christodoulou K. “Epidemiology of Charcot-Marie-Tooth disease in Cyprus.” 5th Conference of Epidemiological Longitudinal Studies in Europe (CELSE2010), Paphos, Cyprus, 13-15 October, 2010.

59. Pafiti K, Mastroyiannopoulos N, Phylactou L, Patrickios CS. “Hydrophilic Cationic Core Cross-linked Star Polymer siRNA Nanocarriers: Synthesis, Characterization and Evaluation”. 43rd IUPAC World Polymer Congress (Macro2010), Glasgow, UK, July 2010.

60. Pafiti K, Mastroyiannopoulos N, Phylactou LA, Patrickios CS. “Star Polymer Nanocarriers for siRNA Therapeutics: Development of Hydrophilic Cationic Star Polymer Transfection Reagents”. Nanotheragnostics: Fabrication & Safety Concerns, Ayia Napa, Cyprus, April 2010.

61. Papathanasiou ES, Lemesiou A, Hadjiloizou S, Myrianthopoulou P, Pantzaris M, Papacostas SS "A New Vestibular Evoked Potential Occurring 6 msec after Stimulus Onset with Air-Conducted Tone Auditory Stimuli". The Barany Society Meeting, 18-21 August 2010, Reyjkavik, Iceland.

62. Phylactides M. “Medical Genomics in Thalassaemia.” 23rd Course in Medical Genetics Course, Nicosia, Cyprus, 23-28 May 2010.

63. Phylactides M. “Φαρμακογονιδιωματική και Αιμοσφαιρινοπάθειες.” Pharmacogenomics Day Meeting. Greece, Thessaloniki, 15 April 2010.

64. Sargiannidou I, Vavlitou N, Markoullis K, Kyriacou K, Scherer SS, Kleopa KA. “Axonal degeneration precedes demyelination of peripheral nerves in mice lacking Cx32 gap junctions in the myelin sheath.” Accepted for oral presentation

at the International Conference on Neuromuscular Disorders, Naples, Italy, 17-22 July 2010.

65. Sismani C, Alexandrou A, VanBokhovn H, de Brouwer A, Schwartz CE, Skinner C, Stevenson RE, Fryns JP, Ropers HH, Chelly J, Raynaud M, Brenner V, Patsalis PC. "Screening of a cohort of 100 male XLMR patients using a new full coverage chromosome X exon-specific array." Golden Helix, Genetic Analysis in Translational Medicine, December 1-4 2010, Athens.

66. Sismani C, Alexandrou A, VanBokhovn H, de Brouwer A, Schwartz CE, Skinner C, Stevenson RE, Fryns JP, Ropers HH, Chelly J, Raynaud M, Brenner V, Patsalis PC. "Screening of a cohort of 100 male XLMR patients using a new full coverage chromosome X exon-specific array." 2nd International meeting of the Cyprus Society of Human Genetics, November 26-27 2010, Nicosia.

67. Sismani C, Koumbaris G, Anastasiadou V, Hadjiloizou S, Kousoulidou L, Evangelidou P and Patsalis PC. "Investigation of cryptic imbalances in patients with mental retardation and/or multiple congenital abnormalities using array-cgh." 6th international meeting on cryptic chromosomal rearrangements and genes in mental retardation and autism. Troina – Italy, April 23-24, 2010.

68. Sutton CW, Rustogi N, Gurkan C, Scally A, Loizidou M, Hadjisavvas A, Kyriacou K, "Genetics and proteomics of breast cancer". 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

69. Votsi C, Koutsou P, Nicolaou P, Georghiou A, Pantzaris M, Kleopa KA, Papacostas S, Kyriakides T, Christodoulou K, Zamba-Papanicolaou E. "Genetic epidemiology of hereditary ataxias in the Cypriot population." 5th Conference of Epidemiological Longitudinal Studies in Europe (CELSE2010), Paphos, Cyprus, 13-15 October, 2010.

70. Votsi C, Zamba-Papanicolaou E, Pantzaris M, Christodoulou K. "Investigation of a Cypriot autosomal recessive cerebellar ataxia family linked to 9p: evidence for a new locus?" 12th International Congress on neuromuscular Diseases, Naples, Italy, 17-22 July, 2010.

## 2009

71. Anastasiadou V. "Medical Genetics and Public Health Community Genetics", 9th Course in Genetic Counselling in Practice June 6-11, 2009, Bologna, Italy.

72. Anastasiadou V. "TAG PROJECT", Meeting 22-25 May, Greece Cyprus Data.

73. Anastasiadou V. Καταγραφή των γενετικών νοσημάτων στον Ελληνοκυπριακό πληθυσμό, Διδακτορική Διατριβή της Βιολέττας Χριστοφίδου Αναστασιάδου, Παιδιάτρου-κλινικού γενετιστή, 2009.

74. Anastasiadou V. "Cross-Cultural Perspectives in Genetic Counseling and Testing", 9th Course in Genetic Counselling in Practice, June 6-11, 2009, European Genetics Foundation, Bologna, Italy.

75. Anastasiadou V. "Down syndrome in Cyprus The genetics clinic view", Nicosia 9 October 2009.

76. Bashiardes S. "Influenza A H1N1." 5th National Conference of the Cyprus Association of Biologists , Cyprus, May 2009.

77. Bashiardes S. “Novel Influenza A H1N1.” Parents association meeting, Part of community outreach education program, Cyprus, December 2009.

78. Hadjisavvas A., M. Loizidou, T. Michael, V. Anastasiadou, K. Kyriacou, “Cancer genetics; the experience in Cyprus”. 10th International Symposium on Mutations in the Genome, Mutation Detection MMIX, Paphos, Cyprus, 28 May – 1 June 2009.

79. Kleanthous M. “Cyprus Screening Program.” European Hemoglobinopathy Forum - New reality, updated models for better management of Hemoglobinopathy Screening, Paris, France, 13 November 2009.

80. Kleanthous M. “Non-Invasive Prenatal Diagnosis for Haemoglobinopathies.” SAFE meeting on Non-invasive prenatal diagnosis: How far has SAFE got us? Brussels, Belgium, 10 February 2009.

81. Kleanthous M. “Rare diseases in Cyprus.” MIRA Health Workshop, Malta 4-5 June.

82. Kleanthous M. “Thalassemic Syndromes.” Science and health in the mediterranean countries: genes, pathogens and the environment, Rome, Italy, 12-14 October 2009.

83. Kleanthous M. “Γονιδιακή Θεραπεία της Θαλασσαιμίας στην Κύπρο.” Pancyprian Antianaemic Association-CING meeting, 12-Mar 2009, Nicosia, Cyprus.

84. Kleanthous M. “Προγεννητικός έλεγχος για θαλασσαιμία.” Larnaca Antianaemia Association Larnaca, Nicosia, 3 June 2009.

85. Kleopa KA. “The effects of CMT1X mutations in myelinating cells.” Mediterranean Society of Myology Meeting, Nicosia, Cyprus, 20-22 March 2009.

86. Kyriakides T, Charalambous R, Feldman M, Hadjisavvas A, Christodoulou K, Koutsou P, Kyriakou K, Vonta I, Hadjigeorgiou G, Dardiotis T, Papademetriou A, Vassilopoulos D, Kladi A, Manda P. “Apopstosis in mitochondrial encephalomyopathies; how frequent, how extensive, how relevant.” 9th Congress of the Mediterranean Society of Myology, Nicosia, Cyprus, 20-22 March, 2009.

87. Kyriakides T. “Apoptosis in mitochondrial encephalomyopathies; how frequent, how extensive, how relevant.”9th Congress of the Mediterranean Society of Myology. Nicosia 20-22 March 2009.

88. Lederer WC. “Άνθρωποι και Ποντίκια. Προς μια γονιδιακή θεραπεία της θαλασσαιμίας στην Κύπρο.” Pancyprian Antianaemic Association-CING meeting, Nicosia, Cyprus, 12 Mar 2009.

89. Loizidou M, Cariolou MA, Bashiardes E, Hadjisavvas A, Kyriacou K. “MALDI-TOF assisted SNP genotyping for finding associations with breast cancer risk in the Cypriot population”. 10th International Symposium on Mutations in the Genome, Mutation Detection MMIX, Paphos, Cyprus, 28 May – 1 June 2009.

90. Loizou CP, MurrayV, Pattichis MS, Christodoulou CS, Pantziaris M, Nicolaides A, Pattichis CS. AM-FM Texture Image Analysis of the Intima and Media Layers of the Carotid Artery. ICANN (2) 2009: 885-894.

91. Loizou CP, Pantziaris M, Pattichis MS, Kyriakou E, Pattichis CS. “Ultrasound image texture analysis of the intima and media layers of the common carotid artery and its correlation with age and gender,” Computerized Medical Imaging and Graphics, vol. 33, no.4, pp. 317- 324, 2009.

92. Papacostas SS. “Fourteen-year mortality from Creutzfeldt-Jakob Disease in Cyprus”. 1st International Congress on Clinical Neurology & Epidemiology, 27 - 30 August, 2009, Munich, Germany.

93. Papasavva T, Kyrri A, Kythreotis L, Muller S, Kleanthous M. “SNP Analysis and Arrayed Primer Extension (APEX) for the Non-Invasive Prenatal Diagnosis (NIPD) of β-thalassaemia.” 6th International Conference on Circulating Nucleic Acids in Plasma and Serum (CNAPS-VI), Hong Kong, Hong Kong, 9-11 November 2009.

94. Papastavrou E, Papacostas SS, Tsangaris H, Kalakoutas Y. “Family Caregivers of Patients with Alzheimer's and Related Dementias: the Cyprus Experience” 5th International Conference on Alzheimer’s Disease and Related Disorders in the Middle East, 15-17 May, 2009, Limassol, Cyprus.

95. Patsalis PC, Koumbaris G, Rajan D, Fitzgerald T, Gribble S, Clayton S, Hatzisevastou H, Kurg A, Kitsiou-Tzeli S, Scordis N, Kosmaidou Z, Vermeesch J, Georgiou I, Carter N. X-chromosome disorders: Identification of underlying mechanisms. “Functional Genomics and Systems Biology Workshop”, Monday 30 November – 2 December 2009, Hinxton, UK.

96. Patsalis PC, Koumbaris G, Rajan D, Fitzgerald T, Gribble S, Clayton S, Hatzisevastou H, Kurg A, Kitsiou-Tzeli S, Scordis N, Kosmaidou Z, Vermeesch J, Georgiou I, Carter N. X-chromosome disorders: Identification of underlying mechanisms. “Functional Genomics and Systems Biology Workshop”. The American Society of Human Genetics 59th Annual Meeting, 20-24 October, Hawaii, USA, 2009.

97. Patsalis PC, Koumbaris G, Rajan D, Fitzgerald T, Gribble S, Clayton S, Hatzisevastou H, Kurg A, Kitsiou-Tzeli S, Scordis N, Kosmaidou Z, Vermeesch J, Georgiou I, Carter N. X-chromosome disorders: Identification of underlying mechanisms. “Functional Genomics and Systems Biology Workshop”. 7th European Cytogenetics Conference, 4-7 July 2009, Stockholm, Sweden.

98. Patsalis PC. “Setting up a Microarray Facility for Molecular Karyotype.” 7th European Cytogenetics Conference. 4-7 July, Stockholm, Sweden, 2009.

99. Pattichis Marios, Constantinos Pattichis, Christodoulos Christodoulou, Andies Nicolaides, Victor Murray, Pantzaris Marios, Nicolas Tsapatsoulis. AM-FM Texture Image Analysis and Retrieval of the Intima and Media Layers of the Carotid Artery" (#1569210283) has been accepted for publication in the proceedings of the 19th International Conference on Artificial Neural Networks (ICANN 2009) to be held in Limassol, Cyprus on September 14-17, 2009.

100. Sismani C, Alexandrou A, VanBokhovn H, de Brouwer A, Schwartz CE, Skinner C, Stevenson RE, Fryns JP, Ropers HH, Chelly J, Raynaud M, Brenner V, Patsalis PC. “Screening of a cohort of 100 male XLMR patients using a new full coverage chromosome X exon-specific array.” 14th International Workshop on Fragile X and X-Linked Mental Retardation, 15-18 September, Bahia, Brazil, 2009.

101. Vavlitou N, Sargiannidou I, Markoullis K, Hadjisavvas A, Kyriacou K, Scherer SS, Kleopa KA. “Loss of Cx32 gap junctions in Schwann cells with CMT1X mutations causes progressive demyelination and early axonopathy.” Peripheral Nerve Society Meeting, July 2009, Wuerzburg, Germany.

# 2008

102. Anastasiadou V. Eulogy: When personality traits influence science and society. 1st International Cyprus Society of Human Genetics Conference. Nicosia, Cyprus. October 3-4, 2008.

103. Anastasiadou V. Επιδράσεις μιας προσωπικής πορείας, Paediatric Neurology Conference, Athens Greece 2008.

104. Anastasiadou V. Νόσος Gaucher, Εμπειρία στην Κλινική Γενετικής Κύπρου, Συνέδριο Ιπποκράτη 29-30 Μαρτίου 2008.

105. Anastasiou I, Stavrinides P, Papacostas SS. "Psychometric Properties of the Greek Translation of the 'Epilepsy Foundation Concerns Index': A Pilot Study". 3rd Pancyprian Psychiatric Meeting, 19-22 June, 2008, Limassol, Cyprus.

106. Christopoulos G. "Preimplantation genetic diagnosis for β-thalassaemia." 2nd European Enerca Symposium on Rare Anaemias Nicosia, Cyprus, 13-14 March 2008.

107. Christopoulos G. "Preimplantation Genetic Diagnosis of Thalassaemia", The Cyprus Experience 11th International Conference on Thalassemia and Haemoglobinopathies 8-11 October 2008, Singapore.

108. Gurkan C, Loizidou M, Hadjisavvas A, Kyriacou K. "Functional characterization of BRCA1/2 unclassified variants observed in the Cypriot population". 9th Marianna Lordos Symposium, Larnaca, Cyprus, 29 February- 2 March 2008.

109. Hadjisavvas A, Loizidou M, Gurkan C, Michael T, Mavrogiannou E, Markou Y, Kakouri E, Adamou A, Anastasiadou V, Kyriacou K. "Familial breast cancer: genetics and pathology". 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October 2008.

110. Hadjisavvas A, Loizidou M, Gurkan C, Michael T, Mavrogiannou E, Marcou Y, Kakouri E, Anastasiadou V, Kyriacou K. "Familial breast cancer genetics; molecular and cellular biology at crossroads". Recent Advances in Health and Medical Sciences (RAHMS) International Conference, Paphos, Cyprus, 7 -12 March 2008.

111. Hadjisavvas A, Loizidou M, Michael T, Marcou Y, Kakouri E, Daniel M, Papadopoulos P, Malas S, Kyriacou K. "Genetic epidemiology of breast cancer in Cyprus; the MASTOS study". 9th Marianna Lordos Symposium, Larnaca, Cyprus, 29 February- 2 March 2008.

112. Hadjisavvas A, Loizidou M, Michael T, Mavrogiannou E, Kyriacou K. "Hereditary cancer syndromes; the experience of genetic testing in Cyprus". 9th Marianna Lordos Symposium, Larnaca, Cyprus, 29 February- 2 March 2008.

113. Kleanthous M. "Non Invasive Prenatal Diagnosis of β-thalassaemia." SAFE GAM, Barcelona, Spain, 29-30 May 2008.

114. Kleanthous M. "Non-invasive prenatal diagnosis: An update from the SAFE network of excellence." SAFE Workhop at ESHG 2008. Barcelona, Spain, 31 May 2008.

115. Kleanthous M. "Prenatal diagnosis. New approaches." 2nd European Enerca Symposium on Rare Anaemias Nicosia, Cyprus, 13-14 March 2008.

116. Kleanthous M. "Ithanet project and the use of e-infrastructure tools for coordinating research projects." 2nd European Enerca Symposium on Rare Anaemias Nicosia, Cyprus, 13-14 March 2008.

117. Kleanthous M. Cyprus – Romania Collaboration in Haemoglobinopathies. Romania & Cyprus – Information Society. A Mini-Guide to advance i2010, Nicosia, Cyprus, 30-31 October 2008.

118. Kleanthous M. Ithanet Project. EU-Med Event 2 - e-Infrastructures in the Mediterranean, Jordan, Amman, 4 November 2008.

119. Kyriakides T. "A diagnostic approach in the evaluation of patients with myalgias-the role of muscle biopsy." 12th Congress of the European Federation of Neurological Societies. Madrid, 23-26 August, 2008.

120. Kyriakides T. "Epidemiological, clinical and genetic study of Familial Amyloidotic neuropathy in Cyprus." VIIth International Symposium on Familial Amyloid Polyneuropathy and 1st International workshop on Hereditary Amyloidosis. London, 2-5 September 2008.

121. Kyriakides T. "Familial Amyloidotic polyneuropathyTypeI: a search for modifier genes."12th Congress of the European Federation of Neurological Societies. Madrid, 23-26 August, 2008.

122. Loizidou M, Michael T, Neuhausen SL, Newbold RF, Marcou Y, Kakouri E, Daniel M, Papadopoulos P, Malas S, Kyriacou K, Hadjisavvas A. "Genetic polymorphisms in the DNA-repair genes and risk of breast cancer in Cyprus". 9th Marianna Lordos Symposium, Larnaca, Cyprus, 29 February- 2 March 2008.

123. Loizou CP, Pantziaris M, Nicolaides A, Spanias A, Pattichis MS, Pattichis CS. Ultrasound imaging media layer texture analysis of the carotid artery. BIBE 2008: 1-6.

124. Mastroyiannopoulos NP, Anayasa M, Nicolaou P, Chrysanthou E, Uney JB, Mahadevan MS, Kyriakides T & Phylactou LA. "Novel genetic approaches to induce myogenesis." 2nd International Conference of the Cyprus Society of Human Genetics, 3-4 October 2008, Nicosia, Cyprus. Hippokratia.

125. Neocleous V, Ioannou YS, Costi C, Skordis N and Phylactou LA. "Mutational Spectrum of Congenital Adrenal Hyperplasia in Greek Cypriot Patients." 1st International Conference of the Cyprus Society of Human Genetics, 3-4 October 2008, Nicosia, Cyprus. Hippokratia.

126. Papasavva Th, Kleanthous M. "Non-Invasive Prenatal Detection of beta-thalassaemia by SNP analysis." Safe final student workshop, Austria, Vienna, 25 October 2008.

127. Papasavva Th, Shammas Ch, Kleanthous M. "Non-invasive prenatal diagnosis of β-thalassemia by SNP analysis using PNAs and Array Primer Extension (APEX)." FP6 Thalassochip Workshop, Nicosia, Cyprus, 20 June 2008.

128. Ryvlin P, Tomson T, On Behalf of the MORTEMUS Study (Papacostas SS, Participant). "MORTEMUS (Mortality in Epilepsy Monitoring Unit Study): Preliminary Findings". 8th European Congress on Epileptology, 21-25 September, 2008, Berlin, Germany.

129. Shammas Ch, Kleanthous M, Papasavva Th. "Introduction to microarrays and thalassochip development." FP6 Thalassochip Workshop. Nicosia, Cyprus, 20 June 2008.

130. Shammas Ch., Kleanthous M., Vassiliou P. “In Silico Drug Screening on Grid - Another Promising Application.” Fourth Ithanet GAM Meeting. Barcelona, Spain, 2 June 2008.

131. Sismani C, Koumbaris G, Anastasiadou V, Stylianidou G, Hadjiloizou S, Evangelidou P, Patsalis PC. “Investigation of cryptic chromosomal imbalances in patients with mental retardation and/or multiple congenital abnormalities using array-CGH.” 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October 2008.

132. Zamba-Papanicolaou E. Nicolaou P, Georgiou DM, Koutsou P, Georghiou A, Kleopa K, Middleton LT, Christodoulou K. “Charcot-Marie-Tooth disease in the Cypriot population.” 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October, 2008.

## 2007

133. Anastasiadou V. “Cross-Cultural Perspectives in Genetic Counseling and Testing”, European Genetics Foundation, EGF, Bologna, Italy.

134. Anastasiadou V. “Genetic Counselling in familial and early breast cancer”. International Conference on Hereditary and Early breast cancer, November 2007, Nicosia.

135. Anastasiadou V. “Medical Genetics and Public Health Community Genetics”, EGF, Bologna 2007.

136. Anastasiadou V. “Κλινική Γενετική στην Κύπρο” 2007.

137. Anastasiadou V. “Νευρινωματώσεις και άλλα συναφή σύνδρομα, Εαρινές Ημέρες –Μετεκπαιδευτικό Σεμινάριο Παιδιατρικής Κλινικής του Νοσοκομείου Αρχ. Μακάριος ΙΙΙ, Λευκωσία, 15 Μαΐου 2010.

138. Christodoulou K. “Molecular genetic studies of Cypriot patients and families with spinocerebellar ataxia.” 8th congress of the Mediterranean Society of Myology, Djerba, Tunisia, 15-18 March, 2007.

139. Gurkan C, Hadjisavvas A, M. Loizidou, F. Iacovou, C. Sutton, K. Kyriacou “Latest advances in the proteomic and genomic analyses of breast lesions”. Molecular targets for cancer prevention diagnosis and treatment, Limassol, Cyprus, 7-10 October 2007.

140. Hadjisavvas A, Loizidou M, Markou Y, Malas S, Adamou A, Anastasiadou V, Kyriacou K. “The spectrum of BRCA mutations in Cypriot families with breast ovarian cancer”. International forum for the study of Familial and Early Breast Cancer, Nicosia, Cyprus, 18-21 October 2007.

141. Kkolou E, Flourentzou A, Malikkidou A, Stylianidou G, Papacostas SS. “Efficacy and tolerability of levetiracetam during one-year follow-up as add-on therapy in patients with treatment-resistant generalised epilepsy” 17th Meeting of the European Neurological Society, 16-20 June 2007, Rhodes, Greece.

142. Kleanthous M. “MGTD activities and Induction of Foetal Haemoglobin (HbF)”. PAS Cyprus Meeting. Nicosia, Cyprus, 14 February 2007.

143. Kleanthous M. “The Ithanet project and the use of e-Infrastructure in coordinating research projects”. Safe / Ithanet New Technologies for Non-

Invasive Prenatal Diagnosis of Haemoglobinopathies Workshop, Nicosia, Cyprus, 30/11-1/12/2007.

144. Kleopa KA, Orthmann-Murphy JL, Alevra X, Sargiannidou I, Scherer SS. "Mutations in gap junction proteins associated with CNS demyelination." 3rd Aegean Meeting on Neurological Therapeutics, Abstract Book, p 9.

145. Kleopa KA. "Gap junctions in myelinating cells." 17th European Society for Neurochemistry Meeting. J Neurochem 2007, 101 (Suppl. 1):18-19.

146. Kousoulidou K, Bashiardes S, van Bokhoven H, Ropers H, Chelly J, Moraine C, de Brouwer A, Van Esch H, Froyen G and Patsalis PC. "Development and Validation of the "Chromosome X exon-specific array" that enables identification of copy number changes in genes of the X chromosome." 13th International Workshop on Fragile X and X-Linked Mental Retardation, Venezia, 3-6 October 2007.

147. Kyriacou K. "Molecular Biology and Genetics of Familial Breast Cancer". International forum for the study of Familial and Early Breast Cancer, Nicosia, Cyprus, 18-21 October 2007.

148. Kyriakides T, Feldman M, Papacharalambous R, Hadjisavvas A, Manda P, Hadjigeorgiou G, Kyriacou K. "An immunocytochemical study of oxidative stress and apoptosis in 60 cases of mitochondrial encephalomyopathies (MEs)." Mediterranean Society of Myology Conference, Tunis, March 2007.

149. Loizidou M, Hadjisavvas A, Markou Y, Malas S, Adamou A, Anastasiadou V, Kyriacou K. "Association studies for discovering new breast cancer genes: do they exist?". International forum for the study of Familial and Early Breast Cancer, Nicosia, Cyprus, 18-21 October 2007.

150. Pantzaris M, "The role of ultrasound in the diagnosis and management of stroke, in The role of medical Imaging in modern medical diagnosis, treatment and basic science research", University of Cyprus, Nicosia, Cyprus, November 7th, 2007.

151. Papageorgiou E, Fiegler H, Carter NP and Patsalis PC. "Microarray-based screen for the identification of differential feto-maternal DNA methylation markers and development of Non Invasive Prenatal Diagnosis of chromosomal disorders." Second workshop on new technologies for non-invasive prenatal diagnosis for hemoglobinopathies, Nicosia, Cyprus, 30 Nov - 1 Dec 2007.

152. Papageorgiou E, Fiegler H, Carter NP and Patsalis PC. "Microarray-based screen for the identification of differential feto-maternal DNA methylation markers and development of Non Invasive Prenatal Diagnosis of chromosomal disorders." European Cytogenetic Conference, Istanbul 7-10 July 2007, Chromosome Research 15:247, No 1.

153. Papageorgiou E, Fiegler H, Carter NP and Patsalis PC. "Microarray-based screen for the identification of differential feto-maternal DNA methylation markers and development of Non Invasive Prenatal Diagnosis of chromosomal disorders." European Genetic Conference, Nice 16-19 June 2007.

154. Papageorgiou E, Fiegler H, Carter NP and Patsalis PC. "Microarray-based screen for the identification of differential feto-maternal DNA methylation markers and development of Non Invasive Prenatal Diagnosis of chromosomal disorders." Molecular profiling of the genome conference, Cellular Oncology 29(2):126, 1st Marie Curie – GARD Meeting, Amsterdam 3-5 May 2007.

155. Papageorgiou E, Fiegler H, Carter NP and Patsalis PC. "Microarray-based screen

for the identification of differential feto-maternal DNA methylation markers and development of Non Invasive Prenatal Diagnosis of chromosomal disorders." SAFE European Union Network of Excellence, Best Scientific Work Award, Bristol 27-31 January 2007.

156. Papasavva Th. "APEX Microarrays for the Non-Invasive Prenatal Diagnosis of β-thalassaemia". ESHG Conference, Nice, France, 16-19 June 2007.

157. Papasavva Th. "Non Invasive prenatal diagnosis of β-thalassaemia by SNP analysis using PNAs". Safe / Ithanet New Technologies for Non-Invasive Prenatal Diagnosis of Haemoglobinopathies Workshop, Nicosia, Cyprus, 30/11-1/12/2007.

158. Papasavva Th., Kleanthous M. "APEX Microarrays for NIPD of β-thalassaemia". Safe Meeting, Bristol, UK, 29-31 January 2007.

159. Papathanasiou ES, Myrianthopoulou P, Papacostas SS. "Pure central sleep apnea as a side-effect of vagal nerve stimulation". 2nd World Association of Sleep Medicine Meeting, 4-8 February 2007, Bangkok, Thailand.

160. Sismani C, Anastasiadou V, Parkel S, Kousoulidou L, Zilina O, Bashiardes S, Spanou E, Kurg A, and Patsalis PC. "A familial duplication of Xp22.2 analysed with high resolution X chromosome specific array-MAPH methodology." 13th International Workshop on Fragile X and X-Linked Mental Retardation, Venezia, 3-6 October 2007.

161. Sismani C, Kitsiou-Tzeli S, Ioannides M, Anastasiadou V, Stylianidou G, Papadopoulou E, Kosmaidou Z, Kanavakis E, Kolialexi A, Mavrou A and Patsalis PC. "Array-CGH characterization of familial and de novo "apparently balanced" translocations in patients with abnormal phenotype." High resolution molecular cytogenetics course, 25-2 March 2007.

162. Spyrou P, Kleanthous M. "HbF Inducers". ITHANET Workshop, Nicosia, Cyprus, 27-29 November 2007.

163. Tsangari H, Papastavrou E, Papacostas SS. "Statistics and Society: a study on the burden experienced by caregivers of patients with Alzheimer". Panhellenic Congress on Statistics, 11-15 April, 2007, Nicosia, Cyprus.

164. Zouvani I, Pierides A, Ioannou K, Aristodemou S, Kyriacou K. "The contribution of electron microscopy in the diagnosis of hereditary renal diseases of type IV collagen; Alport's syndrome and thin basement membrane nephropathy". 21st European Congress of Pathology, Istanbul, Turkey, 8 -13 September 2007.

## 2006

165. Anastasiadou V. "A report on the recently introduced services of genetic counseling to patients and families with familial cancer syndromes", 8th Marianna Lordos Seminar, 2006.

166. Anastasiadou V. "Cross-Cultural Perspectives in Genetic Counseling and Testing", European Genetics Foundation, Bologna 2006, Italy.

167. Anastasiadou V. "Medical Genetics and Public Health Community Genetics", 2006.

168. Hadjisavvas A, Kotti AM, Spanou E, Kyriacou K, Anastasiadou V. "A report on the recently introduced services of genetic counseling to patients and families with

familial cancer syndromes." 8th Marianna Lordos Cancer Seminar and EU COST Action B20, Larnaka, Cyprus, 10th-12th February 2006.

169. Hadjisavvas A, Loizidou M, Adamou A, Markou Y, Anastasiadou V, Kyriacou K. "Genetic epidemiology of breast cancer; Results of a population based study in Cyprus". 16th International Conference on Chelators (ICOC) for the Treatment of Thalassaemia, Cancer and Other Diseases related to Metal and Free Radical Imbalance and Toxicity, Limassol, Cyprus, 25-31 October 2006.

170. Hadjisavvas A, Loizidou M, Adamou A, Markou Y, Christodoulou Ch, Kyriacou K. "Genetic Epidemiology of Breast Cancer; the Experience in Cyprus". BIOSTAT 2006, Statistical Models for Biomedical and Technical Systems, Limassol, Cyprus, 29-31 May 2006.

171. Kurg A, Kousoulidou L, Mannik K, Perkel S, Zilina O, Tonisson N, Sismani C, Priit P, Puusepp H, Remm M, and Patsalis PC. "Development of a new array-MAPH methodology for detection of copy-number changes and screening of patients with X-Linked Mental Retardation." European Human Genetic Conference, 6-9 May, Amsterdam, The Netherlands, Eur J Hum Genet 14: suppl1, (P1172) 357 and 11th International Congress of Human Genetics, 6-10 August, Brisbane, Australia. and the American Society of Human Genetics, September, New Orleans, LA, USA, 2006.

172. Kurg A, Zilina O, Kousoulidou L, Mannik K, Parkel S, Tonnison N, Sismani C, Palta P, Puusepp H, Remm M and Patsalis PC. "Development of a new array-MAPH methodology for the detection of copy number changes and screening of patients with X-linked mental retardation." 3rd Marie Curie Conference and Training Courses on array-CGH and Molecular Cytogenetics, O36:146. 13-16 September, Leuven, Belgium, 2006.

173. Kyriacou K. "Status of tissue biobanks in Cyprus". European Alliance Against Cancer. Working group on biobanks, Rome, Italy, December 2006.

174. Kyriacou K. Status of tissue biobanks in Cyprus. "European Alliance Against Cancer." Working group on proteomics, Paris, France, September 2006.

175. Loizidou M, Marcou Y, Papamichael D, Televantos M, Kalakoutis G, Kyriacou K, Hadjisavvas A. "Contribution of BRCA1 and BRCA2 germline mutations to the incidence of breast and ovarian cancer in young Cypriot women". 8th Marianna Lordos Cancer Seminar and EU COST Action B20, Larnaka, Cyprus, 10-12 February 2006.

176. Pantzaris M. "Data mining in MS data", 1st Meeting of Centers-Network for Research in Neurology (CeNeReN), Nicosia, Cyprus, January 2006.

177. Pantzaris M. "Primary and Secondary Stroke prevention", 27th Medical Symposium, Limassol Medical Association, Limassol, Cyprus, 17-18 June 2006.

178. Pantzaris M. "Πολλαπλή Σκλήρυνση: Παρόν Μέλλον", 2ο Συμπόσιο για την Πολλαπλή Σκλήρυνση, Larnaca, Cyprus, March 2006.

179. Papacostas S, Papathanasiou E. "Clinical applications of vestibular evoked potentials". 1st Meeting of Centers-Network for Research (CeNeReN), 20 January 2006, Nicosia, Cyprus.

180. Papathanasiou ES, Katelari-Theocharidou E, Papacostas SS. "Parallel auditory vestibular evoked myogenic and neurogenic potential results in a case of peripheral vestibular dysfunction, showing that the former originates from, the

vestibular system". 19th Conference of the Nicosia-Kyrenia Medical Society 'Hippocrates', 4-5 November 2006, Nicosia, Cyprus.

181. Patsalis PC. "Genomic Investigation of Neurological Syndromes using Microarray Technology." 1th meeting of Centers-Network for research in neurology (CeNeReN), 20 January 2006, Nicosia, Cyprus.

182. Vincent A, Buckley C, Kleopa KA, Scherer SS, Clover L, Jarius S. "VGKC antibodies and their roles." XI International Neuromuscular Meeting, 2006.

183. Voskarides C, Neocleous V, Zouvani I, Damianou L, Christodoulidou S, Hadjiconstantinou V, Kyriacou K, Ioannou K, Patsias Ch, Pierides A, Constantinou C Deltas. "Molecular and clinical study of familial FSGS - Hematuria in Cyprus and Greece". 31th FEBS Congress, FEBS Young Scientists Forum, Istanbul, Turkey, 24 – 29 June 2006.

184. Zouvani I, Zenios A, Arsali M, Pierides A, Kyriacou K. "The contribution of electron microscopy in the diagnosis of glomerulopathies with fibrillary deposits". 2nd Intercongress Meeting, Ioannina, Greece, May 2006.

## POSTER PRESENTATIONS

### 2011

1. Anastasiadou VC, Aristidou ES, Kotti AM, Hadjisavvas A, Loizidou M, Marcou Y, Kakouri E, Papamichael D, Delikurt T, Kyriacou K. "Cancer Genetic Counselling in Cyprus: Review of the first six years". European Human Genetics Conference 2011, Amsterdam, The Netherlands, 28-31 May 2011.

2. Anastasiadou VC, Aristidou ES, Kotti AM, Hadjisavvas A, Marcou Y, Kakouri E, Papamichael D, Loizidou M, Delikurt T, Kyriacou K. "Cancer Genetic Counselling in Cyprus: Review of the first six years", European Conference of Human Genetics, May 28 – 31, 2011, Amsterdam, the Netherlands.

3. Ciuladaite Z, Kasnauskiene J, Matuleviciene A, Preiksaitiene E, Alexandrou A, Patsalis P.C., Kucinskas V. A microdeletion of the critical Rubinstein-Taybi deletion region: a continguous gene syndrome? 8th European Cytogenetics Conference, Porto, Portugal, July 2-5, 2011. Chromosome Research 19:S61.

4. Hadjisavvas A, Loizidou M, Marcou Y, Anastasiadou V, Kyriacou K. "Multiple metachronous malignancies affecting a single female patient with three primary malignancies: a case report". 2011 Bi-annual Cyprus Anti-Cancer Society International Symposium, Limassol, Cyprus, 11-13 March 2011.

5. Hadjisavvas A, Loizidou M, Marcou Y, Anastasiadou V, Kyriacou K. "The genetics of familial breast cancer genetics in Cyprus; identification of novel mutations in the Cypriot population". 2011 Bi-annual Cyprus Anti-Cancer Society International Symposium, Limassol, Cyprus, 11-13 March 2011.

6. Kasnauskiene J, Ciuladaite Z, Preiksaitiene E, Hettinger J, Patsalis PC, Kucinskas V. "*De novo* deletion 10p14 in patient with mental retardation, speech impairment and hypothyroidism." European Human Genetics Conference 2011. Amsterdam, The Netherlands, May 28-31, 2011.

7. Kkolou E, Flourentzou A, Malikkidou A, Papacostas SS. "Efficacy and tolerability of Lacosamide as add-on therapy in patients with treatment-resistant epilepsy.

Preliminary experience at a tertiary centre in Cyprus". 29th International Epilepsy Congress, 29 August-1 September, 2011, Rome, Italy.

8. Kousoulidou L, Moutafi M, Ioannides M, Sismani C, Anastasiadou V, Patsalis P. 18q21.1 microdeletion in a patient with phenotype similar to Pitt-Hopkins syndrome, inherited from mosaic patient. 8th European Cytogenetics Conference, Porto, Portugal, July 2-5, 2011. Chromosome Research 19:S41-42.

9. Koutsoulidou A, Mastroyiannopoulos NP, Furling D, Uney JB, Phylactou LA. "Expression of transcription factor TWIST during muscle development. EMBO Myogenesis Conference Series." The Molecular and Cellular Mechanisms Regulating Skeletal Muscle, Development and Regeneration. 10-15 May, 2011. Wiesbaden, Germany.

10. Loizidou M, Neophytou I, Hadjisavvas A, Ioannidis J, Kyriacou K. "Replication of breast cancer risk loci in "MASTOS" study". 2011 Bi-annual Cyprus Anti-Cancer Society International Symposium, Limassol, Cyprus, 11-13 March 2011.

11. Loizou CP, Kyriacou EC, Seimenis I, Pantziaris M, Christodoulou C, Pattichis MS, and Pattichis CS. "Brain white matter lesions classification in multiple sclerosis subjects for the prognosis of future disability," 12th Eng. Applications of Neural Networks (EANN)/7th Artificial Intelligence Applications and Innovations (AIAI), Corfu, Greece, Sept. 15-18, pages 10, accepted, 2011.

12. Mastroyiannopoulos NP, Uney JB, Phylactou LA. "Down-regulation of Myogenin in terminal differentiated myotubes can reverse their differentiation." EMBO Myogenesis Conference Series. The Molecular and Cellular Mechanisms Regulating Skeletal Muscle, Development and Regeneration. 10-15 May, 2011. Wiesbaden, Germany.

13. Molinari F, Loizou C, Zeng G, Pattichis C, Chandrashekar D, Pantziaris M, Liboni W, Nicoliades A, Suri J. "Completely automated multi-resolution edge snapper (CAMES)–A new technique for an accurate carotid ultrasound IMT measurement and its validation on a multi-institutional database," SPIE Med. Imag. Conf., Lake Buena Vista, Orlando, FL, USA, Feb. 12-17, pages 5, 2011.

14. Moutafi M, Kousoulidou L, Anastasiadou V, Patsalis P. 11q25 duplication in two siblings with moderate to severe mental retardation, autism and dysmorphic features, detected using Agilent custom 400K array CGH. 8th European Cytogenetics Conference, Porto, Portugal, July 2-5, 2011. Chromosome Research 19:S41.

15. Neocleous V, Shammas C, Andreou E, Picolos M, ToumbaM, Kaffe K, Kyriakides TC, Skordis N and Phylactou LA. "Hyperandrogenism in heterozygous Congenital Adrenal Hyperplasia females with 21-hydroxylase deficiency." The 93rd Annual Meeting & Expo, June 4-7 2011 in Boston, Massachusetts.

16. Neocleous V, Shammas C, Efstathiou E, Kaffe K, Andreou E, PicolosM, ToumbaM, Kyriakides TC, Skordis N and Phylactou LA. "Females with heterozygous mutations and the p.N493S variant in the *CYP21A2* gene clinically manifest hyperandrogenism." 50th European Society of Pediatric Endocrinology (ESPE) Meeting. 25-28 September 2011. Glascow, Scotland, United Kingdom.

17. Papachristoforou R, Petrou P, Sawyer H, Stylianidou G, Williams M, Drousiotou A. "A study of classical galactosaemia in Cyprus: epidemiological, biochemical and molecular data". SSIEM Annual Symposium, Geneva, Switzerland, 30 August-2 September 2011.

18. Papathanasiou E, Pantzaris M, Papacostas S. “Characteristics of neurogenic vestibular evoked potentials: 700 Hz tone frequency appears to evoke the best response.” Journal of Neurology 2011;258:S182.

19. Papathanasiou E, Pantzaris M, Papacostas S. “Characteristics of neurogenic vestibular evoked potentials: Condensation stimuli appear to evoke the best response.”Clinical Neurophysiology 2011;122:S59.

20. Papathanasiou E, Pantzaris M, Papacostas S. “Characteristics of Neurogenic Vestibular Evoked Potentials: 700 Hz Tone Frequency Appears to Evoke the Best Response”. 21st Meeting of the European Neurological Society, 28-31 May, 2011, Lisbon, Portugal.

21. Papathanasiou E, Papacostas S, Pantzaris M. “Has MRI advancement from 0.35-1.0 T made a siginificant difference compared to evoked potentials in the evaluation of patients with multiple sclerosis?” Journal of Neurology 2011;258:S181.

22. Papathanasiou E, Papacostas S, Pantzaris M. “Has MRI advancement from 0.35-1.0 Tesla to 3.0 Tesla made a significant difference compared to evoked potentials in the evaluation of patients with multiple sclerosis?” 21st Meeting of the European Neurological Society, 28-31 May, 2011, Lisbon, Portugal.

23. Papathanasiou ES, Pantzaris M, Papacostas SS. “Characteristics of Neurogenic Vestibular Evoked Potentials: Condensation Stimuli Appear to Evoke the Best Response”. 14th European Congress on Clinical Neurophysiology, 21-25 June, 2011, Rome, Italy.

24. Papathanasiou ES, Papacostas SS “A new method of non-invasively recording function from the vestibular nervous system”. 8th IBRO Congress of Neuroscience, 14-18 July, 2011, Florence, Italy.

25. Petroudi S, Loizou CP, Pantziaris M, Pattichis MS, Pattichis CS. “A fully automated method using active contours for the evaluation of the intima-media thickness in carotid US images,” 33rd An. Int. IEEE EMBS Conf. of the IEEE Eng. Med. and Biol. Society, Boston Marriott Copley Place, Boston, MA, USA, Aug. 30-Sept. 3, pages 6, accepted, 2011.

26. Preiksaitiene E, Kasnauskiene J, Ciuladaite Z, Dirse V, Cimbalistiene L, Utkus A, Matuleviciene A, Tumiene B, Magini P, Baptista J, Patsalis P, Kurg A, Kucinskas V. “Clinical features associated with submicroscopic chromosomal aberrations in patients with mental retardation/developmental delay.” European Human Genetics Conference 2011. Amsterdam, The Netherlands, May 28-31, 2011.

27. Shammas C, Mastroyiannopoulos N, Efstathiou E, Neocleous V, SkordisN and Phylactou LA. “Identification and functional characterisization of a novel Vasopressin Receptor 2 (*AVPR2*) mutation causing partial Nephrogenic Diabetes Insipidus.” 50th European Society of Pediatric Endocrinology (ESPE) Meeting. 25-28 September 2011. Glascow, Scotland, United Kingdom.

28. Skordis N, Shammas C, Efstathiou E, Kaffe K, Kyriakides TC, Neocleous V and Phylactou LA. “Endocrine, metabolic profile and phenotype-genotype correlation in patients with Non Classical Congenital Adrenal Hyperplasia.” The 93rd Annual Meeting & Expo, June 4-7 2011 in Boston, Massachusetts.

29. Sutton C, Rustogi N, Scally A, Loizidou M, Hadjisavvas A, Kyriacou K. “Quantitative comparison of matched normal and tumor breast proteomic profiles”. AACR 102nd Annual Meeting, Orlando, Florida, USA, 2-6 April 2011.

30. Zamba-Papanicolaou E, Nicolaou P, Kleopa K, Middleton L, Christodoulou K, Kyriakides T. "Variable phenotypes caused by the PMP22 S22F Point Mutation." 4th International Congress of Myology, Myology 2011, May 9-13, France.

## 2010

31. Christophidou Anastasiadou V, Aristidou ES, Kotti A, Delikurt T. "Reporting on genetic disorders and syndromes in Cyprus" European Human Genetics Conference 2010, May 12 – 15, 2010, Gothenburg, Sweden.

32. Christou YP, Georgiou A, Koutsou P, Christodoulou K, Pantzaris M, E. Zamba-Papanicolaou. "Interaction of normal and mutant HTT in the phenotype of Cypriot Huntington's disease patients." 14th Congress of the European Federation of Neurological Societies, Geneva, Switzerland, September 25-28, 2010.

33. Delikurt T, Aristidou-Spanou E, Kotti A, Anastasiadou V. "Access to Genetic Services in Cyprus". European Human Genetics Conference 2010, May 12 – 15, 2010, Gothenburg, Sweden.

34. Efstathiou E, Neocleous V, Sertedaki A, Phylactou L, Skordis N. "Unusual clinical presentation of 5 Alpha Reductase deficiency as Primary Amenorrhea in an adolescent girl." 49th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), Prague, Czech Republic, 22-25 September 2010.

35. Evangelidou P, Sismani C, Ioannides M, Christodoulou C, Koumbaris G, Kallikas I, Voula Velissariou V, Patsalis PC. "Clinical application of whole genome array-CGH during prenatal diagnosis: study of 25 selected pregnancies with ultrasound findings or apparently balanced structural aberrations." European Human Genetics Conference 2010, 12-15 June 2010 Gothenburg, Sweden.

36. Hadjisavvas A , Neophytou I , Loizidou M , Kyriacou K. "A preliminary study of the association between blood telomere length and breast cancer risk in Cyprus". 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

37. Hadjisavvas A, Loizidou M, Flouri C, Marcou Y, Aristidou-Spanou E, Anastasiadou V, Kyriacou K. "Multiple metachronous malignancies affecting a single female patient with three primary malignancies: a case report". 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

38. Hadjisavvas A, Loizidou M, Ioannidis JPA, Kyriacou K. "Replication of breast cancer risk loci in a Cypriot case-control association study". American Society of Human Genetics Annual Meeting, Washington DC, USA, 2-6 November 2010.

39. Hadjisavvas A, Loizidou M, Papamichael D, Kyriacou K, Novakovič S, Stegel V, Krajc M, Cerkovnik P, Bešič N, Žgajnar J, Hočevar M. "Colorectal cancer genetics in Cyprus and Slovenia". 10th Marianna Lordos Symposium, Larnaca, Cyprus, 12 - 14 March 2010.

40. Kkolou E, Dietis A, Flourentzou A, Malikkidou A, Petsa M, Stylianidou G, Papacostas SS. "Long-term efficacy and tolerability of Levetiracetam as add-on therapy in patients with treatment-resistant epilepsy". 2nd East Mediterranean Epilepsy Congress, 4-6 March, 2010, Dubai, UAE.

41. Kkolou E., E. Gagglia, J. Toufexis and M. Pantzaris. "One year data on safety and efficacy of Natalizumab in Cypriot patients with Relapsing-remitting Multiple

Sclerosis". Presented at the 14th Congress of the European Federation of Neurological Societies (EFNS), Geneva, 25th - 28th September 2010.

42. Koutsoulidou A, Mastroyiannopoulos NP, Uney JB, Furling D, Phylactou, LA. "Altered miRNA levels identified in Myotonic Dystrophy." 2nd International Conference of the Cyprus Society of Human Genetics, 25-26 November 2010, Nicosia Cyprus.

43. Loizidou M, Hadjisavvas A, Ioannidis JPA, Kyriacou K. "Replication of genome-wide discovered breast cancer risk loci in the Cypriot population". 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

44. Loizou CP, Murray V, Pattichis MS, Pantziaris M, Pattichis CS. "AM-FM Texture image analysis in multiple sclerosis brain white matter lesions," XII Med. Conf. on Med. Biol. Eng. And Comput., IFMBE Proc., Medicon 2010, Porto Caras, Greece, May 27-30, pp. 446-449, 2010.

45. Loizou CP, Murray V, Pattichis MS, Pantziaris M, Pattichis CS. "AM-FM Texture image analysis in brain white matter lesions in the progression of multiple sclerosis," IEEE Southwest Symposium on Image Analysis and Interpretation-SSIAI 2010, Austin, Texas-USA, paper 1068, pp. 61-64, May 23-25, 2010.

46. Loizou CP, Pantziaris M, Pattichis CS, Kyriakou E. "M-mode state-based identification in ultrasound videos of the common carotid artery," Proc. Of the 4th Int. Symp. on Commun. Contr. and Sign. Proces., ISCCSP 2010, Limassol, Cyprus, pages 6, March 3-5, 2010.

47. Loizou CP, Seimenis I, Pantziaris M, Kasparis T, Pattichis CS. "Texture image analysis of normal white matter areas in clinically isolated syndrome that evolved in demyelinating lesions in subsequent MRI scans: Multiple sclerosis disease evolution," ITAB2010-10th Int. Conf. on Inform. Techn. And Applic. in Biomed., Corfu, Greece, Nov. 3-5, 2010, pages 5, 2010.

48. Mastroyiannopoulos N, Anayasa M, Antoniou A, Iseki S, Uney J, Phylactou L. "Twist reverses muscle cell differentiation." Molecular and Cellular basis of Regeneration and Repair, EMBO Conference Series, Sesimbra Portugal, 26-30 September 2010.

49. Mastroyiannopoulos NP, Anayasa, M, Antoniou A, Iseki S, Uney JB, Phylactou LA. "Twist overexpression reactivates terminally differentiated muscle cells." 2nd International Conference of the Cyprus Society of Human Genetics, 25-26 November 2010, Nicosia Cyprus.

50. Mavrikiou G, Petrou P, Georgiou Th, Drousiotou A. "Frequency of the 24-bp duplication in the chitotriosidase gene in the Cypriot population: Comparison of two locations with different malaria endemicity in the past". SSIEM Annual Symposium, Istanbul, Turkey, 31 August-3 September 2010.

51. Nemeth S, Kriegshäuser G, Baumgartner-Parzer S, Concolino P, Neocleous V, Phylactou LA, Riedl S, Oberkanins C. "Reverse-hybridization teststrips for detection of common CYP21A2 mutations in dried blood spots from newborns with elevated 17-OH progesterone." 49th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), Prague, Czech Republic, 22-25 September 2010.

52. Neocleous V, Portides G, AnastasiadouV, Ioannou N, Pantzaris M, Deltas C, Skordis N and Phylactou L. "RET proto-oncogene mutations are restricted to

codon 618 in Cypriot families with Familial Medullary Thyroid Carcinoma/Multiple Endocrine Neoplasia 2A." 49th Annual Meeting of the European Society for Paediatric Endocrinology (ESPE), Prague, Czech Republic, 22-25 September 2010.

53. Nicolaou P, Zamba-Papanicolaou E, Georgiou DM, Koutsou P, Georghiou A, Kleopa K, Kyriakides T, Middleton LT, Christodoulou K. "Molecular genetic studioes of Charcot-Marie-Tooth disease in the Cypriot population." 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

54. Nicolaou P, Zamba-Papanicolaou E, Politano L, Middleton LT, Nigro G, Christodoulou K. "Characterisation of *MFN2* gene mutations in Italian autosomal dominant axonal CMT families." 12th International Congress on neuromuscular Diseases, Naples, Italy, 17-22 July, 2010.

55. Ourani S, Drousiotou A, Mavrikiou G, Georgiou Th, Stylianou I, Hadziloizou S, Christophidou-Anastasiadou V.. "Juvenile Tay Sachs disease in a 5 year old Cypriot boy". S SSIEM Annual Symposium, Istanbul, Turkey, 31 August-3 September 2010.

Ourani S, Drousiotou A, Mavrikiou G, Georgiou T, Stylianou I, Hadjiloizou S, Christofidou-Anastasiadou V. "Juvenile Tay Sachs Disease in a 5 year old Cypriot boy", European Human Genetics Conference 2010, May 12 – 15, 2010, Gothenburg, Sweden.

56. Pafiti KS, Mastroyiannopoulos NP, Phylactou LA and Patrickios CS. "Hydrophilic Cationic "Arm-First" Star Homopolymers as siRNA Delivery Systems: Synthesis, Characterization and Evaluation". 8th Hellenic Polymer Society Symposium, 24-29 October 2010, Hersonissos, Crete, Greece.

57. Panayides A, Pattichis MS, Pattichis CS, Loizou CP, and Pantziaris M. "Wireless Ultrasound Video Transmission for Stroke Risk Assessment," International Workshop on Video Processing and Quality Metrics for Consumer Electronics, (VPQM 2010), Scottsdale, Arizona, Jan. 13-15, 2010.

58. Papachristoforou R, Sawyer H, Petrou P, Stylianidou G, Burton-Jones S, Greenslade M, Williams M, Drousiotou A. "Molecular study of Cypriot patients with classical galactosaemia: identification of a novel large deletion in the *GALT* gene". SSIEM Annual Symposium, Istanbul, Turkey, 31 August-3 September 2010.

59. Papathanasiou E, Lemesiou A, Myrianthopoulou P, Pantzaris M, Papacostas S. "A new scalp waveform is discovered (N6) that is vestibular in origin after using air-conducted sound stimuli." Journal of Neurology 2010;257:S94.

60. Papathanasiou E, Lemesiou A, Myrianthopoulou P, Pantzaris M, Papacostas S. "A new neurogenic vestibular evoked potential (N6) waveform is discovered (N6) recorded with the use of air-conducted sound." Clinical Neurophysiology 2010;121:S296.

61. Papathanasiou ES, Lemesiou A, Hadjiloizou S, Myrianthopoulou P, Pantzaris M, Papacostas SS. "A new neurogenic vestibular evoked potential (N6) recorded with the use of air-conducted sound". 29th International Congress of Clinical Neurophysiology, 28th October to 2nd November, 2010, Kobe, Japan.

62. Papathanasiou ES, Lemesiou A, Hadjiloizou S, Myrianthopoulou P, Pantzaris M, Papacostas SS. “A new scalp waveform is discovered (N6) that is vestibular in origin after using air-conducted sound stimuli”. 20th Meeting of the European Neurological Society, 19-23 June, 2010, Berlin, Germany.

63. Papathanasiou ES, Lemesiou A, Hadliloizou S, Myrianthopoulou P, Pantzaris M, Papacostas SS. "Vestibular Evoked Neurogenic Potentials Using Air–Conducted Sound: The Discovery of a New Scalp Recorded Potential (N6) That Probably Originates from the Midbrain". American Academy of Neurology 62nd Annual Meeting, 10-17 April 17, 2010, Toronto, Ontario, Canada.

64. Richter J, Tryfonos C, Christodoulou C. “Prevalence of West-Nile fever virus, sandfly fever Toscana virus and sandfly fever Sicilian virus in Cyprus.” International Conference on Emerging Vector-borne Diseases in a Changing European Environment, Montpellier, France, May 2010.

65. Seimenis I, Loizou CP, Economides E, Pantziaris M, Pattichis CS. “Temporal texture and shape analysis for quantification and monitoring of lesion load in multiple sclerosis,” European Congress of Radiology (ECR2010), Vienna, Austria, paper number 1445, pages 4, March 4-8, 2010.

66. Spyrou P, Phylactides M, W. Lederer C, Ergüler K, Kithreotis L, Kirri A, Christou S, Anagnou N, Kannavakis E, Stamatoyannopoulos G and Kleanthous M. “Chemical inducers of foetal haemoglobin.” 17th Hemoglobin Switching Conference. Oxford, UK, 2-6 September 2010.

67. Sutton C, Rustogi N, Scally A, Gurkan C, Loizidou M, Hadjisavvas A, Kyriacou K. “Quantitative Proteomic Profiling of Matched Normal and Tumor Breast Tissues”. AACR 101st Annual Meeting, Washington DC, Washington, USA, 17-21 April 2010.

68. Theoni K. Georgiou, Mark A. Ward, Phillip Knight, Maria D. Rikkou, Maria Vamvakaki, Edna N. Yamasaki, Leonidas A. Phylactou, Costas S. Patrickios. “Cationic Star Homo- and Co-polymers for Gene Delivery.” 3rd International Symposium. Cellular delivery of therapeutic macromolecules. Cardiff University, UK. 26-29 June 2010.

69. Tryfonos C, Richter J, Christodoulou C. “Molecular typing and epidemiology of enteroviruses in Cyprus 2000-2005.” 4th European Congress of Virology, Cernobbio, Italy, April 2010.

70. Votsi C, Nicolaou P, Georghiou A, Kleopa K, Middleton LT, Pantzaris M, Papacostas S, Kyriakides T, Christodoulou K, Zamba-Papanicolaou E. “Investigation of sporadic ataxia patients in the Cypriot population.” 2nd International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 26-27 November 2010.

71. Votsi C, Nicolaou P, Georghiou A, Kleopa K, Middleton LT, Pantzaris M, Papacostas S, Kyriakides T, Christodoulou K, Zamba-Papanicolaou E. “Investigation of Sporadic Ataxia Patients in the Cypriot Population”. 14th Congress of the European federation of Neurological Societies, 25-28 September, 2010, Geneva, Switzerland.

72. Νεοκλέους Β, Αναστασιάδη Β, Φυλακτού ΛΑ, Σκορδής Ν. “Ανίχνευση της μετάλλαξης *C618R* στο ογκογονίδιο *RET* σε Κύπριους ασθενείς με Πολλαπλή Ενδοκρινική Νεοπλασία *II* (MEN 2).” 37ο Πανελλήνιο Συνέδριο Ενδοκρινολογίας, Αθήνα 14-17 Απριλίου 2010.

73. Νεοκλέους Β, Αναστασιάδου Β, Σπανού Ε, Κκώστη Κ, ΣκορδήςΝ, Φυλακτού ΛΑ. "Ανίχνευση της μετάλλαξης C618R στο ογκογονίδιο RET σε Κύπριους ασθενής με Πολλαπλή Ενδοκρινική Νεοπλασία ΙΙ (MEN2)." 37th Hellenic Conference on Endocrinology and Metabolism - 1st Pan Mediterranean Day, Athens 14-17 April 2010.

74. Σκορδής Ν, Ιωάννου Γ Σ, Κυριάκου Α, Δρακοπούλου–Βαμπούλη Μ, Πατσαλής Φ, Νεοκλέους Β, Φυλακτού ΛΑ. "Μοριακή Ανάλυση του Γονιδίου *CYP21A2* σε Κύπριους Ασθενείς με Συγγενή Υπερπλασία Επινεφριδίων." 37ο Πανελλήνιο Συνέδριο Ενδοκρινολογίας, Αθήνα 14-17 Απριλίου 2010.

## 2009

75. Anastasiadou V, Delikurt T, Theochari K, Kotti A, Aristidou-Spanou E. "Cross Cultural Communication in Genetic Services: Experiences in creating a network. European Human Genetics Conference 2009.

76. Christodoulou C, Panayiotou E, Koumbaris G, Rajan D, Fitzgerald T, Gribble S, Clayton S, Hatzisevastou C, Kurg A, Kitsiou Tzeli S, Anastasiadou V, Scordis N, Kosmaidou Z, Vermeesch J, Mavrou A, Kolialexi A, Yalla A, Georgiou I, Carter N, Patsalis PC. "Identification of underlying mechanisms in X-chromosome disorders. Marie Curie – Genome Architecture in Relation to Disease - Higher Order Genome Architecture." 1–5 April, Edinburgh, Scotland. Cellular Oncology, Volume 31, Number 2, 2009.

77. Christou YP, Ioannou Y, Zamba-Papanicolaou E. "A case of Tangier disease in an adolescent presenting with sudden falls." 13th Congress of the European Federation of Neurological Societies, Florence, Italy, September 12-15, 2009.

78. Christou YP, Papathanasiou E, Myrianthopoulou P, Kleopa K, Zamba-Papanicolaou E. "Neuromuscular disorders in paediatric cases: investigation of 123 cases at the EMG lab of the Cyprus Institute of Neurology & Genetics from 2003-2008." 13th Congress of the European Federation of Neurological Societies, Florence, Italy, September 12-15, 2009.

79. Constantinidou F, Themistocleous D, Nikou Maria, Papacostas S. "Neuropsychological Performance in Adults with Chronic Epilepsy on Multi-antiepileptic Drug Treatment". World Psychiatric Association International Congress, 1-4 April, 2009, Florence, Italy.

80. Felekis X, Christopoulos G, Pavlou E, Kyrri A, Kalogirou E, Makariou C, Lederer CW, Kleanthous M. The β-thalassaemia mutations in the Greek Cypriot population and SNPs of the β-globin gene. 10th International Symposium on Mutations in the Genome, Paphos, Cyprus, 28 May - 1 June 2009.

81. Georghiou A, Zamba-Papanicolaou E, Tsingis M, Georgiou DM, Papacostas S, Kyriakides T, Kleopas K, Middleton LT, Pantzaris M, Christodoulou K. "Huntington's disease in the Cypriot population: direct molecular diagnosis since 1994." 9th Congress of the Mediterranean Society of Myology, Nicosia, Cyprus, 20-22 March, 2009.

82. Georgiou Th, Ho G, Dionysiou M, Nicolaou A, Vogazianos M, Chappa G, Stylianidou G, Christodoulou J, Drousiotou A. "The mutation spectrum of phenylalanine hydroxylase deficiency in Cyprus". 11th International Congress of Inborn Errors of Metabolism, San Diego, California, USA, 29 August-2 September, 2009.

83. Hadjisavvas A, Loizidou M, Michael T, Bashiardes E, Cariolou M, Kyriacou K, "Genetic variation in genes interacting with BRCA1/2 and risk of breast cancer in the Cypriot population". American Society of Human Genetics Annual Meeting, Honolulu, Hawaii, USA, 20-24 October 2009.

84. Kkolou E, Dietis A, Flourentzou A, Malikkidou A, Petsa M, †Stylianidou G, Papacostas SS. "Three-year data on efficacy and tolerability of Levetiracetam as add-on therapy in patients with treatment-resistant epilepsy". 28th International Epilepsy Congress, 28th June -2nd July, Budapest, Hungary, 2009.

85. Kkolou E, Gagglia E, Toufexis J, Pantzaris M. ''Six–month data on the safety and efficacy of Natalizumab in Cypriot patients with Relapsing- Remitting Multiple Sclerosis''Presented at the 13th Congress of the European Federation of Neurological Societies (EFNS), Florence, 12th- 15th September 2009.

86. Kkolou E, Gagglia E, Toufexis J, Pantzaris M. 'Six–month data on the safety and efficacy of Natalizumab in Cypriot patients with Relapsing- Remitting Multiple Sclerosis. Published in "European Journal of Neurology", vol.16, supp. 3, October 2009.

87. Kleanthous M, Phylactides M, Hou J, Karkabouna S, Lappa-Manakou C, Grosveld FG, Philipsen S, Lindern M Von, Patrinos GP. "Differential expression profiles in human fetal hemoglobin-expressing and non-expressing tissues" European Human Genetics Conference 2009 Vienna, Austria, 23-26 May 2009.

88. Kleopa KA. "Diagnosis and treatment of myasthenia gravis in Cyprus." Mediterranean Society of Myology Meeting, Nicosia, Cyprus, 20-22 March 2009.

89. Koutsou P, Daiou C, Georghiou A, Gaglia E, Zamba-Papanicolaou E, Christodoulou K. "Friedreich's ataxia carrier screening in the population origicating from the Paphos district of Cyprus." 9th Congress of the Mediterranean Society of Myology, Nicosia, Cyprus, 20-22 March, 2009.

90. Koutsoulidou A, Mastroyiannopoulos NP, Furling D, Uney JB, Phylactou LA. "The involvement of the basic helix-loop-helix transcription factor Twist in DM1." 7th International Myotonic Dystrophy Consortium Meeting, September 9-12 2009, Wurzburg, Germany.

91. Kyriakides T. "Apoptosis in mitochondrial encephalomyopathies; how frequent, how extensive, how relevant." 13th Congress of the European Federation of Neurological Societies, Florence, 12-15 September 2009.

92. Kyriakides T. "The contribution of quantitative sensory testing in the assessment of symptomatic TTRVal30Met carriers."13th Congress of the European Federation of Neurological Societies, Florence, 12-15 September 2009.

93. Kyriakou A, Neocleous V, Ioannou YS, Varvaresou A, Dracopoulou – Vabouli M, Patsalis PC, Phylactou LA, Skordis N. "Molecular Defects of the CYP21A2 Gene in Greek Cypriot patients with Congenital Adrenal Hyperplasia''. Hormone Research 72(suppl 3), 2009 p.207-8. LWPES/ESPE 8th Joint Meeting of Pediatric Endocrinology, New York, USA, September 9-12, 2009.

94. Lederer C, Kleanthous M. "ITHANET", The community portal for the thalassaemias and other haemoglobinopathies Ninth Cooley's Anemia Symposium, NY, USA, 21 - 24 October 2009.

95. Loizou C.P., C.S. Pattichis, I. Seimenis, M. Pantziaris, "Quantitative Analysis of Brain White Matter Lesions in Multiple Sclerosis Subjects," ITAB2009-9th Int. Conf. on Inform. Techn. And Applic. in Biomed., Larnaca, Cyprus, pp. 1-4, Nov. 5-7, 2009.

96. Loizou CP, Murray V, Pattichis MS, Christodoulou CS, Pantziaris M, Nicolaides A, Pattichis CS. "AM-FM Texture Image Analysis of the Intima and Media Layers of the Carotid Artery," ICANN-2009, Proc. II of 19th Int. Conf. on Artificial Neural Networks, Limassol, Cyprus, pp. 885-894, Sept. 14-17, 2009.

97. Loizou CP, Pantziaris M, Seimenis I, Pattichis CS. "MRI intensity normalization in brain multiple sclerosis subjects," ITAB2009-9th Int. Conf. on Inform. Techn. And Applic. in Biomed., Larnaca, Cyprus, pp. 1-5, Nov. 5-7, 2009.

98. Markoullis K, Sargiannidou I, Gardner C, Hadjisavvas A, Reynolds R, Kleopa KA. "The role of glial gap junctions in EAE pathology." Myelin Satellite Meeting, International Society for Neurochemistry, Chania, Greece.

99. Mastroyiannopoulos NP, Shammas C, Chrysanthou E, Kyriakides TC, Uney JB, Mahadevan MS, Phylactou LA. "Cytoplasmic export of DM1 transcripts benefits muscle cell differentiation." 7th International Myotonic Dystrophy Consortium Meeting, September 9-12 2009, Wurzburg, Germany.

100. Michaelides C, Neophytou M, Papacostas SS. "A first epidemiological study of Psychogenic Non-Epileptic Seizures (PNES) in Cyprus". 63rd Annual Meeting of the American Epilepsy Society, 4-8 December, 2009, Boston, Massachusetts, USA.

101. Myrianthopoulou P, Papathanasiou ES, Pantzaris M, Kyriakides T, Zamba-Papanicoloaou E, Papacostas SS. "Visual evoked potential interocular amplitude differences matter in the end". 19th World Congress of Neurology, 24 - 30 October, 2009, Bangkok, Thailand.

102. Myrianthopoulou P, Papathanasiou ES, Papacostas SS, Kyriakides T. "The Contribution of Quantitative Sensory Testing in the Assessment of Symptomatic TTRVal30Met Carriers". 13th European Federation of Neurological Societies Congress, 12-15 September 2009, Florence, Italy.

103. Neocleous V, Costi C, Yiannis IS, Skordis N and Phylactou LA. "Mutational Spectrum of Congenital Adrenal Hyperplasia in Greek Cypriot Patients." The European Society of Human Genetics, European Human Genetics Conference, May 23-26, 2009 - ACV, Vienna, Austria.

104. Neocleous V. "Workshop on Guidelines on Best Practice Guidelines for Molecular Analysis in Congenital Adrenal Hyperplasia", Antwerp, 23 June 2009 (Represented Cyprus).

105. Nicolaou P, Zamba-Papanicolaou E, Georgiou DM, Koutsou P, Georghiou A, Kleopa K, Kyriakides T, Middleton LT, Christodoulou K. "Clinical and genetic findings of Charcot-Marie-Tooth disease in the island of Cyprus." Third International CMT Consortium Meeting, Antwerpen, Belgium, 9-11 July, 2009.

106. Nicolaou P, Zamba-Papanicolaou E, Georgiou DM, Koutsou P, Georghiou A, Kleopa K, Kyriakides T, Middleton LT, Christodoulou K. "Molecular genetic studies of Charcot-Marie-Tooth disease in the Cypriot population." 9th Congress of the Mediterranean Society of Myology, Nicosia, Cyprus, 20-22 March, 2009.

107. Pafiti K, Mastroyiannopoulos N, Phylactou LA, Patrickios CS. "Cationic star polymer siRNA gene transfection agents based on novel cross-linkers." 19th IUPAC

International symposium on ionic polymerization 2009, 26 - 31 July, 2009, Krakow, Poland.

108. Panayides A, Pattichis M, Pattichis C, Loizou C, Pantziaris M, Pitsillides A. "Robust and Efficient Ultrasound Video Coding in Noisy Channels Using H.264," EMBC 09, 31st Annual Int. IEEE EMBS Conf., Sept. 2-6, Hilton Minneapolis, Minnesota, USA, SaBPo11.4, pages 4, 2009.

109. Panayides A, Pattichis MS, Pattichis CS, Loizou CP, Pantziaris M, and Pitsillides A, "Robust and Efficient Ultrasound Video Coding in Noisy Channels Using H.264," in Proc. of 31st Annual Conference of the IEEE Engineering in Medicine and Biology Society, IEEE EMBC'09, Minnesota, U.S.A., Sep. 2-6, 2009, pp.5143-5146.

110. Papasavva Th, Kyrri A, Kythreotis L, Roomere H, Kleanthous M. "SNP Analysis and Arrayed Primer Extension (APEX) for the Non-Invasive Prenatal Diagnosis (NIPD) of β-thalassaemia." European Human Genetics Conference 2009 Vienna, Austria, 23-26 May 2009.

111. Papathanasiou E, Pantzaris M, Myrianthopoulou P, Kkolou E, Papacostas S. ''Demyelinating lesions involving the Subthalamic Nucleus may be an important factor in the development of Epilepsy in Multiple Sclerosis patients: An evoked potential study''. Presented at the 63rd Annual Meeting of the American Epilepsy Society (AES), Boston, 4th-8th December 2009.

112. Papathanasiou E, Papacostas S, Myrianthopoulou P, Kkolou E. and Pantzaris M. "Demyelinating lesions involving the brainstem may be an important factor in the development of Epilepsy in Multiple Sclerosis patients." Presented at the 28th International Epilepsy Congress, Budapest, 28th June - 2nd July 2009.

113. Papathanasiou ES, Lemesiou A, Hadjiloizou S, Myrianthopoulou P, Pantzaris M, Papacostas SS. "A new neurogenic vestibular evoked potential (N6) recorded with the use of air-conducted sound". 13th European Federation of Neurological Societies Congress, 12-15 September 2009, Florence, Italy.

114. Papathanasiou ES, Papacostas SS, Myrianthopoulou P, Kkolou E, Pantzaris M. "Demyelinating lesions involving the subthalamic nucleus may be an important factor in the development of Epilepsy in Multiple Sclerosis patients: An evoked potential study". 63rd Annual Meeting of the American Epilepsy Society, 4-8 December, 2009, Boston, Massachusetts, USA.

115. Papathanasiou ES, Papacostas SS, Myrianthopoulou P, Kkolou E, Pantzaris M. "Demyelinating lesions involving the brainstem may be an important factor in the development of Epilepsy in Multiple Sclerosis patients: A large retrospective study". 28th International Epilepsy Congress, 28th June -2nd July, Budapest, Hungary, 2009.

116. Papathanasiou ES, PhD, Eleni Zamba-Papanicolaou, MD. "A Comparison between Recordings Obtained using Reusable and Disposable Single Fiber Needle Electrodes." International SFEMG Course and Xth Quantitative EMG Conference, Venice, 6-10 May, 2009.

117. Patsalis PC, Koumbaris G, Rajan D, Fitzgerald T, Gribble S, Clayton S, Hatzisevastou H, Kurg A, Kitsiou-Tzeli S, Scordis N, Kosmaidou Z, Vermeesch J, Georgiou I, Carter N. "X-chromosome disorders: Identification of underlying mechanisms." Human Genetics & Genomics Conference, University of New England, USA, 19 July 2009.

118. Patsalis PC, Koumbaris G, Rajan D, Fitzgerald T, Gribble S, Clayton S, Hatzisevastou H, Kurg A, Kitsiou-Tzeli S, Scordis N, Kosmaidou Z, Vermeesch J, Georgiou I, Carter N. "X-chromosome disorders: Identification of underlying mechanisms." Genomic Disorders, 2009 – Genomic Variation in Health and Disease. 9-11 March 2009, Hinxton, UK.

119. Sargiannidou I, Vavlitou N, Markoullis K, Hadjisavvas A, Kyriacou K, Scherer SS, Kleopa KA. "Loss of gap junctions in myelinating cells causes progressive demyelination and early axonopathy." ELA Research Foundation 2nd Scientific Meeting, 26-27 June 2009, Luxembourg.

120. Sargiannidou I, Vavlitou N, Markoullis K, Kyriacou K, Scherer SS, Kleopa KA. "Axonal degeneration in mouse models of CMT1X neuropathy." Glial Cell Meeting, September 2009, Paris, France.

121. Spyrou P, and Kleanthous M. "5-Fluoro-2'-deoxyuridine induces fetal hemoglobin production in human erythroid precursor cells from healthy and thalassemic donors." 34th FEBS Congress, Praque, Czech Republic 4-9 July 2009.

122. Votsi C, Georghiou A, Kyriakides T, Pantzaris M, Papacostas S, Zamba-Papanicolaou E, Christodoulou K. "Investigation of spinocerebellar ataxia type 10 mutation in the Cypriot population." 9th Congress of the Mediterranean Society of Myology, Nicosia, Cyprus, 20-22 March, 2009.

123. Votsi C, Zamba-Papanicolaou E, Pantzaris M, Papacostas S, Kyriakides T, Christodoulou K. "Investigation of Cypriot families with autosomal recessive spinocerebellar ataxia (ARSCA) by linkage analysis at known ARSCA genes/loci." 9th Congress of the Mediterranean Society of Myology, Nicosia, Cyprus, 20-22 March, 2009.

124. Zamba-Papanicolaou E. "10 years of treatment with botulinum toxin in Cypriot patients with Dystonias." International SFEMG Course and Xth Quantitative EMG Conference, Venice, 6-10 May, 2009.

## 2008

125. Anastasiadou VC, Aristidou ES, Hadjisavvas A, Marcou Y, Kakouri E, Delikurt T, Kyriacou K. "Breast cancer genetic counseling in Cyprus: first epidemiological data". European Human Genetics Conference 2008, Barcelona, Spain, 31 May - 2 June 2008.

126. Anastasiadou VC, Aristidou ES, Kotti A, Delikurt T, Georgiou D, Hadjisavvas A, Kyriacou K. "Biallelic BRCA2 – the first Greek Cypriot family reported". European Human Genetics Conference 2008, Barcelona, Spain, 31 May - 2 June 2008.

127. Anayasa M, Nicolaou P, Bantounas I, Iseki S, Uney JB & Phylactou LA. "Reactivation of muscle cells through reversal of muscle cell differentiation." 1st Conference of the Cyprus Society of Human Genetics, 3-4 October 2008, Nicosia, Cyprus. Hippokratia.

128. Aristodemou S, Petrou M, Yiallouros P, Kyriacou K. "Diagnosis of ciliary disorders using electron microscopy and video imaging". Ultrapath XIV Conference, Crete, Greece, 6-11 July 2008.

129. Bashiardes S, Richter J, Koptides D, Pavlidou S, Stavrou N, Kourtis C, Papageorgiou GT, Christodoulou C. "Detection of Enteroviruses and Adenoviruses in swimming

pool waters in Cyprus." COST Action 929 - Symposium "Current Delvelopments in Food and Environmental Virology", Pisa, Italy, 2008.

130. Constantinidou F, Themistocleous D, Nikou M, Papacostas S. "Neuropsychological Performance in Greek-Cypriot Adults with Chronic Epilepsy: A Preliminary Study". 8th European Congress on Epileptology, 21-25 September, 2008, Berlin, Germany.

131. Constantinidou F, Themistocleous D, Nikou Maria, Papacostas S. "Effects of Chronic Epilepsy on Neuropsychological Performance and Quality of Life in Greek-Cypriot Adults: Preliminary findings." American College of Rehabilitation Medicine - American Society of Neurorehabilitation Joint Educational Conference, 15-19 October, 2008, Toronto, Ontario, Canada.

132. Drousiotou A. "Ethylmalonic Encephalopathy: The mystery is only partly solved". A lecture in memory of Dr Goula Stylianidou. 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3rd-4th October 2008.

133. Drousiotou A. "Lysosomal Storage Disorders in Cyprus". Satellite Symposium on "Lysosomal Storage Disorders: Modern Therapeutic Approaches", within the framework of the Annual Conference of the Nicosia-Kyrenia Medical Association, Nicosia, Cyprus, 29th-30th March 2008.

134. Georghiou A, Zamba-Papanicolaou E, Tsingis M, Georgiou DM, Papacostas S, Kyriakides T, Kleopa K, Middleton LT, Pantzaris M, Christodoulou K. "Huntington's disease in the Cypriot population: direct molecular diagnosis since 1994." 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October, 2008.

135. Hadjisavvas A, Loizidou M, Takousi A, Michael T, Kyriacou K. "Vitamin D pathway gene polymorphisms and breast cancer in Cyprus". American Society of Human Genetics Annual Meeting, Philadelphia, Pennsylvania, USA, 11-15 November 2008.

136. Kkolou E, Dietis A, Flourentzou A, Stylianidou G, Koukkoullis R, Papacostas S. "Long-term efficacy and tolerability data on Topiramate as add-on therapy in patients with treatment-resistant epilepsy". 8th European Congress on Epileptology, 21-25 September, 2008, Berlin, Germany.

137. Kleopa KA, Sargiannidou I, Vavlitou N, Hadjisavvas A, Kyriacou K, Scherer SS. "Transgenic expression of CMT1X mutations with CNS manifestations in oligodendrocytes." Society for Neuroscience 2008 Annual Meeting, Washington DC.

138. Kokkinou EM, Spyrou P, Katsantoni E, Kleanthous M. "Investigation Of Molecular Mechanisms Underlying Mithramycin Action In Foetal Haemoglobin Induction." CSHG 2008 Conference. Nicosia, Cyprus, 3-5 October 2008.

139. Koptides D, Paschalidou M, Taskos N, Milonas I, Constantinou A, Eleftheriou I, Gelagoti M, Christodoulou C. "Herpesvirus presence in the CSF of MS patients from Northern Greece." 18th Meeting of the European Neurological Society, Nice, France, June 2008.

140. Kousoulidou L, Bashiardes S, van Bokhoven H, Ropers H-H, Chelly J, Moraine C, PM de Brouwer A, Van Esch H, Froyen G, Patsalis PC. "A new chromosome X exon-specific microarray platform for screening of patients with X-linked disorders." 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October 2008.

141. Kousoulidou L, Mannik K, Parkel S, Zilina O, Tonisson N, Sismani C, Palta P, Puusepp H, Remm M, Kurg A, Patsalis PC. "Array-based Multiplex Amplifiable Probe Hybridization: a methodology for detection of copy-number changes in human genome." 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October 2008.

142. Kousoulidou LK, Mannik K, Zilina O, Parkel S, Palta P, Remm M, Kurg A, Patsalis PC. "Application of two different copy-number detection methodologies – array-CGH and array-MAPH – with identical amplifiable target sequences." Eur J Hum Genet 16:128, May 2008. European Human Genetics Conference 2008, Barcelona, Spain May 31-June 3, 2008.

143. Kyriacou K, Michael T, Zenios A, Aristodemou S, Papacharalambous R, and Kyriakides T. "Ultrastructural abnormalities in muscle biopsies of patients with dysferlin deficiency". Ultrapath XIV Conference, Crete, Greece, 6-11 July 2008.

144. Kyriakides T. "A correlative study of quantitative EMG with muscle biopsy in 44 patients." 12th Congress of the European Federation of Neurological Societies. Madrid, 23-26 August, 2008.

145. Kyriakides T. "Melatonin is detrimental to survival in a transgenic mouse model of familial ALS."19th International Symposium on ALS, Birmingham, 3-5 November 2008.

146. Lederer C. and Kleanthous M. "E-Infrastructure For Thalassaemia Research Network (ITHANET)", CSHG 2008 Conference. Nicosia, Cyprus, 3-5 October 2008.

147. Loizidou M, Marcou Y, Michael T, Daniel M, Papadopoulos P, Malas S, Kyriacou K, Hadjisavvas A. "DNA-repair genetic polymorphisms and breast cancer risk among Cypriot women". American Association for Cancer Research International Conference "Advances in Cancer Research: From the Laboratory to the Clinic", Dead Sea, Jordan, 16-19 March 2008.

148. Loizidou M, Michael T, Marcou Y, Daniel M, Kakouri E, Papadopoulos P, Malas S, Kyriacou K, Hadjisavvas A. "DNA-repair genetic polymorphisms and breast cancer risk among Cypriot women". European Human Genetics Conference 2008, Barcelona, Spain, 31 May - 2 June 2008.

149. Loizidou M, Michael T, Neuhausen SL, Newbold RF, Marcou Y, Kakouri E, Daniel M, Papadopoulos P, Malas S, Kyriacou K, Hadjisavvas A. "Genetic polymorphisms in the DNA-repair genes and risk of breast cancer in Cyprus". 9th Marianna Lordos Symposium, Larnaca, Cyprus, 29 February- 2 March 2008.

150. Myrianthopoulou P, Dietis A, Papacostas S. "Vagus Nerve Stimulation: an Increasing Effectiveness". 18th Meeting of the European Neurological Society, 7 - 11 June 2008, Nice, France.

151. Neocleous V, Anastasiadou V., Pantzaris M, Skordis N, Phylactou LA. "Under-representation of the RET sequence variants G691S and S904S in patients with a common C618R RET proto-oncogene mutation." European Society of Human Genetics Annual Conference, Barcelona, Spain May 2008.

152. Neocleous V, Aspris A, Shahpenterian V, Nicolaou V, Panagi C, Ioannou I, Stylianidou G, Kyamides Y, Anastasiadou V and Phylactou LA. "Identification of Inherited Deafness in Cyprus." 1st Conference of the Cyprus Society of Human Genetics, 3-4 October 2008, Nicosia, Cyprus. Hippokratia.

153. Papacostas SS, Nicou M, Themistocleous D, Constantinidou F. "Effects of Temporal Lobe Epilepsy on Neuropsychological Performance and Quality of Life in Greek-Cypriot adults: Preliminary Findings". 62nd Annual Meeting of the American Epilepsy Society, 2nd Biennial North American Regional Epilepsy Congress, 5-9 December, 2008, Seattle, Washington, USA.

154. Papageorgiou E, Fiegler H, Carter NP, Patsalis P. "Development of fetal epigenetic markers for NIPD of euploidies associated with chromosomes 13, 18, 21, X and Y." 4th Annual General Assembly SAFE Network of Excellence, Tarragona, Spain, 29-30 May 2008.

155. Papageorgiou E, Fiegler H, Carter NP, Patsalis PC. "Identification of feto-maternal differentially methylated regions on chromosome 18 and chromosome 21. Towards the development of fetal epigenetic markers for trisomies 18 and 21." 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October 2008.

156. Papageorgiou E, Fiegler H, Carter NP, Patsalis PC. "Identification of feto-maternal differentially methylated regions on chromosome 18 and chromosome 21. Towards the development of fetal epigenetic markers for trisomies 18 and 21." Eur J Hum Genet 16:185, May 2008. European Human Genetics Conference 2008, Barcelona, Spain May 31-June 3, 2008.

157. Papageorgiou E, Fiegler H, Carter NP, Patsalis PC. "Identification of feto-maternal differentially methylated regions on chromosome 18 and chromosome 21. Towards the development of fetal epigenetic markers for trisomies 18 and 21." 4th Annual General Assembly SAFE Network of Excellence, Tarragona, Spain, 29-30 May 2008.

158. Papasavva Th., Kleanthous M. "Non-Invasive Prenatal Diagnosis of β-thalassaemia by SNP analysis using PNAs and Arrayed Primer Extension (APEX)." ESHG 2008. Barcelona, Spain, 31 May – 3 June 2008.

159. Papathanasiou E, Lemesiou A, Myrianthopoulou P, Pantzaris M, Papacostas S. "The search for new neurogenic vestibular-evoked potential waveforms: a topographical scalp mapping study using air-conducted tone auditory stimuli." Journal of Neurology 2008;255:61.

160. Papathanasiou E. , Papacostas S. ,Myrianthopoulou P.,Kkolou E. , Pantzaris "Multiple Sclerosis and Epilepsy: Evidence of preferential involvement of upper limb somatosensory evoked potentials". M.Presented at the 8th European Congress on Epileptology, Berlin, 21st- 25th September 2008.

161. Papathanasiou ES, Lemesiou A, Myrianthopoulou P, Pantzaris M, Papacostas SS. "The Search for New Neurogenic Vestibular Evoked Potential Waveforms: A Topagraphical Scalp Mapping Study Using Air-Conducted Tone Auditory Stimuli". 18th Meeting of the European Neurological Society, 7 - 11 June 2008, Nice, France.

162. Papathanasiou ES, Lemesiou A, Myrianthopoulou P, Pantzaris M, Papacostas SS. "Vestibular Evoked Neurogenic Potentials Using Air-Conducted Tone Auditory Stimuli: New Candidate Waveforms Discovered After Extensive Scalp Mapping". XXVth Barany Society Meeting, 31st March - April 3rd, 2008, Kyoto, Japan.

163. Papathanasiou ES, Pantzaris M, Myrianthopoulou P, Kkolou E, Papacostas SS. "Demyelinating lesions involving the upper limb somatosensory pathway may be a critical factor I patients with Multiple Sclerosis'". Presented at the 62nd Annual Meeting of the American Epilepsy Society, Seattle, 5th-9th December 2008.

164. Papathanasiou ES, Papacostas SS, Myrianthopoulou P, Kkolou E, Pantzaris M. "Demyelinating Lesions Involving the Upper Limb Somatosensory Pathway may be a Critical Factor in the Development of Epilepsy in Patients with Multiple Sclerosis". 62nd Annual Meeting of the American Epilepsy Society, 2nd Biennial North American Regional Epilepsy Congress, 5-9 December, 2008, Seattle, Washington, USA.

165. Papathanasiou ES, Papacostas SS, Myrianthopoulou P, Kkolou E, Pantzaris M,. "Multiple Sclerosis and Epilepsy: Evidence of preferential involvement of upper limb somatosensory evoked potentials". 8th European Congress on Epileptology, 21-25 September, 2008, Berlin, Germany.

166. Sargiannidou I, Reynolds R, Kleopa KA. "Expression of gap junction proteins in multiple sclerosis." Gordon Research Conference on Myelin, 2008.

167. Sargiannidou S, Vavlitou N, Hadjisavvas A, Kyriacou K, Scherer SS, Kleopa KA. "The effects of CMT1X mutations in myelinating cells." The Cyprus Society of Human Genetics Meeting 2008, Nicosia.

168. Savvaki M, Zoupi L, Karagogeos D, Kleopa KA. "Altered juxtaparanodes in the adult central nervous system of TAG-1 deficient mice." Federation of European Neuroscience Societies (FENS) Forum Meeting 2008, Geneva, Switzerland.

169. Shammas C, Papasavva T, Kurg A, Kleanthous M. "Thalassochip, A Novel Tool for the Diagnosis of Thalassaemia." CSHG 2008 Conference. Nicosia, Cyprus, 3-5 October 2008.

170. Sismani C, Koumbaris G, Anastasiadou V, Stylianidou G, Hadjiloizou S, Evangelidou P, Patsalis PC. "Investigation of cryptic chromosomal imbalances in patients with mental retardation and/or multiple congenital abnormalities using array-CGH." Eur J Hum Genet 16:127, Sup 2, May 2008. European Human Genetics Conference 2008, Barcelona, Spain May 31-June 3, 2008.

171. Spyrou P, and Kleanthous M. "Anthracyclines, an antiobiotic family with anti-proliferating activity, can elevate γ-globin expression in vitro and increase HbF production in human erythtoid cells." ESHG 2008. Barcelona, Spain, 31 May – 3 June 2008.

172. Spyrou P, Ioannou C, Kokkinou L-M, Kirri A, Christou S, Mitsides T, Koutentis P and Kleanthous M. "MS275, a histone deacetylase inhibitor and some of its synthetic derivatives can increase the expression of γ-globin gene's expression in vitro." CSHG 2008 Conference, Nicosia, Cyprus, 3-5 October 2008.

173. Spyrou P, Kokkinou L, and Kleanthous M. "Investigation of molecular mechanisms underlying mithramycin action in foetal haemoglobin induction." 33rd FEBS Congress & 11th IUBMB Conference, Athens, Greece, 28 June - 3 July, 2008.

174. Tiranti V, Mineri R, Georgiou T, Stylianidou G, Drousiotou A. "Detection of mutations in two families with Ethylmalonic encephalopathy using real-time PCR". European Human Genetics Conference, Barcelona, Spain, May 31-June 3, 2008.

175. Tiranti V, Mineri R, Georgiou Th, Stylianidou G, Drousiotou A. "Detection of mutations in two families with Ethylmalonic Encephalopathy using real-time PCR". European Society of Human Genetics Conference, Barcelona, Spain, 31st May-3rd June 2008.

176. Votsi C, Zamba-Papanicolaou E, Pantzaris M, Papacostas S, Kyriakides T, Christodoulou K. "Investigation of Cypriot families with autosomal recessive spinocerebellar ataxia (ARSCA) by linkage analysis at known ARSCA genes/loci." 1st International Conference of the Cyprus Society of Human Genetics, Nicosia, Cyprus, 3-4 October, 2008.

## 2007

177. Anayasa M, Hjiantoniou E, Nicolaou P, Bantounas I, Saito M, Iseki S, Uney JB & Phylactou LA. "Twist induces reversal of myotube formation." Myogenesis 2007 Gordon Research Conference 2007, Il Ciocco, Italy, May 2007.

178. Aristodemou S, Petrou M, Yiallouros P, Kyriacou K. "Diagnosis of ciliary disorders using electron microscopy and video imaging". IBMS Congress 2007, Birmingham, United Kingdom, 24–26 September 2007.

179. Beauchamp N, Taybert J, Drousiotou A, Dalton A, Tanner S, Pastellas I, Pronicka E, Sharrard M. "Novel Mutations in Fructose-1,6-Biphosphatase Deficiency: No Correlation Between Genotype and Biochemical and Clinical Phenotypes". Annual Symposium of the SSIEM, Hamburg, Germany, 4th-7th September 2007.

180. Christodoulou K, Rallis J, Divari R, Georghiou A, Mintchev N, Thomaides Th, Panousopoulos A. "Autosomal recessive congenital myasthenic syndrome in a Greek Roma/Gypsy family of Romanian origin." 8th congress of the Mediterranean Society of Myology, Djerba, Tunisia, 15-18 March, 2007.

181. Drousiotou A, Anastasiadou V, Stylianidou G, Mavrikiou E, Mavrikiou G, Dionysiou M, Georgiou Th. "Lysosomal Storage Disorders in Cyprus". 16th ESGLD Workshop, Perugia, Italy, 27th-30th September 2007.

182. Gurkan C, Loizidou M, Hadjisavvas A, Kyriacou K. "Functional characterization of BRCA1/2 unclassified variants observed in the Cypriot population." 32nd FEBS Congress, Molecular Machines. 7-12 July 2007, Vienna, Austria.

183. Gurkan C, Loizidou M, Nasioulas G, Hadjisavvas A, Kyriacou K. "Cloning and expression of genes BRCA1/2 in vitro models". 3rd Interdisciplinary Cancer Conference, Athens, Greece, 26-29 April 2007.

184. Hadjisavvas A, Loizidou M, Malas S, Marcou Y, Kyriacou K. "DNA-repair genetic polymorphisms and breast cancer risk among Cypriot women". American Society of Human Genetics Annual Meeting, San Diego, California, USA, 23-27 October 2007.

185. Hadjisavvas A, Loizidou M, Marcou Y, Michael Th, Papachristoforou R, Daniel M, Papadopoulos P, Kakouri E, Malas K, Kyriacou S. "Genetic epidemiology of breast cancer in Cyprus". 3rd Interdisciplinary Cancer Conference, Athens, Greece, 26-29 April 2007.

186. Hadjisavvas A, Loizidou M, Michael T, Marcou Y, Kakouri E, Malas S, Kyriacou K. "Searching for molecular targets for breast cancer in genes involved in the DNA-repair pathway among Cypriot women". Molecular targets for cancer prevention diagnosis and treatment, Limassol, Cyprus, 7-10 October 2007.

187. Ioannou SY, Vavaressou N, Dracopoulou M, Neocleous V, Phylactou LA, Skordis N. "Identification of the molecular defects in the CYPA21A2 gene in patients with non classical form of Congenital Adrenal Hyperplasia of Greek Cypriot origin." 46th European Society for Pediatric Endocrinology, Helsinki, Finland, 2007.

188. Kitsiou-Tzeli S, Sismani C, Koumbaris M, Ioannides M, Touliatou V, Kolialexi A, Mavrou A, Kanavakis E, and Patsalis PC. "And molecular mapping of the breakpoints in a new case with del(4)(q33)." European Genetic Conference, Eur J Hum Genet 15:55, sup 1, 2007, Nice 16-19 June 2007.

189. Kkolou E, Dietis A, Flourentzou A, Malikkidou A, Petsa M, Stylianidou G, Papacostas SS. "Efficacy and tolerability of Levetiracetam during a one year follow-up as add-on therapy in patients with treatment-resistant epilepsy". 11th Congress of the European Federation of Neurological Societies, 25-28 August, 2007, Brussels, Belgium.

190. Kkolou E, Samoutis G, KleopaK and Pantzaris M. "Early diagnosis of end-of-dose wearing-off signs and symptoms during the treatment of Parkinson's Disease (ELPIS)''. Presented at the XVII WFN World Congress on Parkinson's Disease and Related Disorders, Amsterdam, December 9-13, 2007.

191. Kleanthous M. Electronic Infrastructure for Thalassaemia Research Network (Ithanet). Poster presentation at the IVth Conference on Stem Cell and Gene Therapy, Halkidiki, Greece, 13-17 September 2007.

192. Kleopa KA, Orthmann-Murphy JL, Alevra X, Sargiannidou I, Scherer SS. "Connexin32 mutations with CNS phenotype impair the expression of connexin47." American Neurological Association Annual Meeting, Washington DC, October 7-10 2007.

193. Kleopa KA, Orthmann-Murphy JL, Alevra X, Sargiannidou I, Scherer SS. "Connexin32 mutations with CNS phenotypes: dominant negative effects on connexin47 expressed in oligodendrocytes." VIII European Glial Cells Meeting 2007, London, UK.

194. Kousoulidou K, Bashiardes S, van Bokhoven H, Ropers H, Chelly J, Moraine C, de Brouwer A, Van Esch H, Froyen G and Patsalis PC. "Development and Validation of the "Chromosome X exon-specific array" that enables identification of copy number changes in genes of the X chromosome." European Cytogenetic Conference, Istanbul 7-10 July 2007, Chromosome Research 15:227, No 1.

195. Kousoulidou K, Bashiardes S, van Bokhoven H, Ropers H, Chelly J, Moraine C, de Brouwer A, Van Esch H, Froyen G and Patsalis PC. "Development and Validation of the "Chromosome X exon-specific array" that enables identification of copy number changes in genes of the X chromosome." European Genetic Conference, Eur J Hum Genet 15:312, sup 1, 2007, Nice 16-19 June 2007.

196. Loizou CP, Pattichis CS, Pantzaris M, Nicolaides A, Georgiou N, Kyriakou E. Media thickness measurement of the common carotid artery, Proc. IEEE EMBS , The 29th annual Int. Conf. IEEE Engin. Med. Biol. Lyon, France, Aug 23-26, 2007, pp 2171-2174.

197. Mastroyiannopoulos NP, E. Chrysanthou, J. Uney, M.S. Mahadevan & L.A. Phylactou. "Woodchuck post-transcriptional regulatory element induces nuclear export of myotonic dystrophy transcripts and repairs muscle cell differentiation." 6th International Myotonic Dystrophy Consortium, Milan, Italy, September 2007.

198. Mastroyiannopoulos NP, James B Uney, Mani S Mahadevan, & Leonidas A Phylactou. “Woodchuck post-transcriptional regulatory element induces nuclear export of myotonic dystrophy transcripts and repairs muscle cell differentiation.” Myogenesis 2007 Gordon Research Conference 2007, Il Ciocco, Italy, May 2007.

199. Myrianthopoulou P, Papathanasiou ES, Pantzaris M, Kyriakides T, Zamba-Papanicolaou E, Papacostas SS.Visual Evoked Potential Interocular Amplitude Differences Matter in the End.

200. Neocleous V, Aspris A, Shahpenterian V, Nicolaou V, Panagi C, Ioannou I, Kyamides Y, Anastasiadou V, and Phylactou LA. “High Frequency of 35delG *GJB2* mutation and absence of del*(GJB6-D13S1830)* in Greek Cypriot patients with non-syndromic hearing loss.” European Society of Human Genetics Annual Conference, Nice 2007.

201. Pafiti K, Patrickios CS, Mastroyiannopoulos N and Phylactou LA. “Hydrophilic cationic star polymers for sirna transfection: synthesis, characterization and evaluation.” Molecular Targets for Cancer Prevention Diagnosis and Treatment Conference, Limassol, Cyprus 2007. 1st Poster Award.

202. Papathanasiou E, Thodi C, Pantzaris M, Papacostas S. Neurogenic potentials using auditory stimuli originating from the vestibular system: evidence from a case of unilateral acoustic neuroma. Journal of Neurology 2007;254:119.

203. Papathanasiou ES, Thodi C, Pantzaris M, Papacostas SS. “Neurogenic potentials using auditory stimuli originating from the vestibular system: evidence from a case of unilateral acoustic neuroma”. 17$^{th}$ Meeting of the European Neurological Society, 16-20 June 2007, Rhodes, Greece.

204. Richter J, Bashiardes S, Koptides D, Tryfonos C, Pissarides N, Stavrou N, Papageorgiou GT, Christodoulou Ch. “2005 Poliovirus eradication: Poliovirus presence in Cyprus 2 years after.” 14$^{th}$ International Symposium on Health-Related Water Microbiology, Tokyo, Japan, 2007.

205. Sismani C, Kitsiou-Tzeli S, Ioannides M, Anastasiadou V, Stylianidou G, Papadopoulou E, Kosmaidou Z, Kanavakis E, Kolialexi A, Mavrou A and Patsalis PC. “Array-CGH characterization of familial and de novo “apparently balanced” translocations in patients with abnormal phenotype.” European Cytogenetic Conference, Istanbul 7-10 July 2007, Chromosome Research 15:227-228, No 1.

206. Sismani C, Kitsiou-Tzeli S, Ioannides M, Anastasiadou V, Stylianidou G, Papadopoulou E, Kosmaidou Z, Kanavakis E, Kolialexi A, Mavrou A and Patsalis PC. “Array-CGH characterization of familial and de novo “apparently balanced” translocations in patients with abnormal phenotype.” European Genetic Conference, Eur J Hum Genet 15:100, sup 1, 2007, Nice 16-19 June 2007.

207. Spyrou P, Fort L, Kithreotis L, Kyrri A, Christou S, Stivala LA, and Kleanthous M. “Resveratrol, a natural antioxidant phytoalexin, and 4 synthetic derivatives can promote expression of gamma-globin gene in vitro”. IVth Conference on Stem Cell and Gene Therapy, Halkidiki, Greece, 13-17 September 2007.

208. Votsi C, Georghiou A, Kyriakides T, Pantzaris M, Papacostas S, Zamba-Papanicolaou E, Christodoulou K. “Investigation of the spinocerebellar ataxia type 10 mutation in the Cypriot population.” European Human Genetics Conference 2007, Nice, France, 16-19 June, 2007.

209. Zamba-Papanicolaou E, Nicolaou P, Georgiou DM, Kyriakides T, Middleton LT, Christodoulou K. “Axonal neuropathy, optic atrophy, diabetes mellitus and hearing loss in a family with a novel MFN2 mutation.” 8th congress of the Mediterranean Society of Myology, Djerba, Tunisia, 15-18 March, 2007.

210. Ιωάννου ΓΣ, Δρακοπούλου Μ, Νεοκλέους Β, Φυλακτού ΛΑ, Σκορδής Ν. “Ταυτοποίηση των μεταλλάξεων στο γονίδιο CYP21A2 στη μη κλασσική μορφή της Συγγενούς Υπερπλασίας των Επινεφριδίων στον Ελληνοκυπριακό πληθυσμό.” 34ο Πανελλήνιο Συνέδριο Ενδοκρινολογίας και Μεταβολισμού, Κρήτη, Ελλάδα 2007.

## 2006

211. Christophi E, Papacostas S. “Characteristics of epileptic patients referred for social work services” 10th European Conference on Epilepsy & Society, 2-4 August, 2006, Copenhagen, Denmark.

212. Evangeliou P, Sismani C, Anastasiadou V, Parkel S, Kousoulidou L, Zilina O, Bashiardes S, Spanou E, Koumbaris G, Kurg A and Patsalis PC. “A familial duplication of Xp22.2 analysed with high resolution X chromosome specific array-MAPH (Multiplex Amplifiable Probe Hybridization) methodology.” 3rd Marie Curie Conference and Training Courses on array-CGH and Molecular Cytogenetics, P14:41. 13-16 September, Leuven, Belgium, 2006.

213. Georgiou Th, Chuang JC, Stylianidou G, Korson M, Chuang D, Drousiotou A. “Novel Maple Syrup Urine Disease Mutations in Cypriot Families”. 10th International Congress of Inborn Errors of Metabolism, Chiba, Japan, 12th-16th September 2006.

214. Hadjisavvas A, M. Loizidou, M. Daniel, E. Kakouri, S. Malas, Y. Markou, K. Kyriacou. “A Preliminary Study on X-ray Repair Cross Complementing (XRCC) Gene Polymorphisms as Possible Biomarkers of Breast Cancer Susceptibility among Cypriot Women”. American Society of Human Genetics Annual Meeting, New Orleans, Louisiana, USA, 9-13 October 2006.

215. Hadjisavvas A, Papasavva T, Loizidou M, Malas S, Michaelides Y, Potamitis G, Christodoulou C, Pavlides G, Papamichael D, Nasioulas G, Anastasiadou V, Kyriacou K. “Genetics of Familial Colorectal Cancer; the Experience in Cyprus”. 8th Marianna Lordos Cancer Seminar and EU COST Action B20, Larnaka, Cyprus, 10 - 12 February 2006.

216. Kkolou E, Kleopa K, Papacostas S. “Efficacy and tolerability of oxcarbazepine during one year follow-up as add-on therapy in patients with treatment-resistant epilepsy”. 16th Meeting of the European Neurological Society, 27 - 31 May 2006, Lausanne, Switzerland.

217. Kkolou E, Toufexis J, Gaglia E, Pantzaris M. "Clinical effect of Mitoxantrone in patients with Multiple Sclerosis". Presented at the 22nd Congress of the European Committee for treatment and research in Multiple Sclerosis (ECTRIMS), Madrid, September 27-30, 2006. Published in 'Multiple Sclerosis', vol.12, supp.1, September 2006.

218. Kkolou E, Toufexis J, Gaglia E, Pantzaris M. "Clinical effect of Mitoxantrone in patients with Multiple Sclerosis". Presented at the 10th Congress of the European Federation of Neurological Societies (EFNS), Glasgow, September 2-5, 2006.

219. Kleopa KA, Ahn M, Enriquez A, Scherer SS. „Expression of human gap junction protein Connexin31.3 and interactions with Connexin32 mutants." Society for Neuroscience 2006 Annual Meeting.

220. Kleopa KA, Scherer SS, Vincent A. "Neuromyotonia sera target Kv1.6 *Shaker*-type potassium channels expressed in motor axon terminals." American Neurological Association 131st Annual Meeting, 2006.

221. Kontoghiorghes GJ, Kolnagou A, Hadjisavvas A, Loizidou M, Kyriacou K. "Estimation of critical therapeutic levels of deferiprone (L1) in blood of thalassaemia patients for maximizing iron removal from transferrin and minimizing iron deposition and toxicity in the heart and other organs". 16th International Conference on Chelators (ICOC) for the Treatment of Thalassaemia, Cancer and Other Diseases related to Metal and Free Radical Imbalance and Toxicity, Limassol, Cyprus, 25-31 October 2006.

222. Loizidou M, Markou Y, Papamichael D, Televantos M, Kalakoutis G, Kyriacou K, Hadjisavvas A. "Contribution of BRCA1 and BRCA2 mutations to the incidence of breast and ovarian cancer in young Cypriot women". EMBO Molecular Medicine Conference: Mammary Gland Development and Breast Cancer Progression, Dublin, Ireland, 6-8 June 2006.

223. Myrianthopoulou P, Dietis A, Papacostas S. "Efficacy of Vagus nerve stimulation therapy in a treatment resistant epileptic population in Cyprus". 10th Congress of the European Federation of Neurological Societies, 2-5 Sept 2006, Glasgow, United Kingdom.

224. Myrianthopoulou P, Dietis A, Papacostas S. "Vagus nerve stimulation therapy in a pharmacoresistant epileptic population in Cyprus". 16th Meeting of the European Neurological Society, 27 - 31 May 2006, Lausanne, Switzerland.

225. Neocleous V, Anastasiadou V, Portides G, Phylactou LA. "Determination of the Carrier Frequency of the Common GJB2 (Connexin-26) 35delG Mutation in the Greek Cypriot Population." European Society for Human Genetics, 2006 Amsterdam, Netherlands.

226. Palta P, Parkel S, Kousoulidou L, Patsalis PC, Mols T, Kurg A, Kurg A. "Statistical method for data analysis and interpretation for copy number detection with array-MAPH." 3rd Marie Curie Conference and Training Courses on array-CGH and Molecular Cytogenetics, P15:62. 13-16 September, Leuven, Belgium, 2006.

227. Papastavrou E, Papacostas S. "The burden experienced by caregivers with Alzheimer's disease and related dementias".16th Meeting of the European Neurological Society, 27 - 31 May 2006, Lausanne, Switzerland.

228. Papathanasiou E, Papacostas S, Pantzaris M. Vestibular evoked neurogenic potentials are more sensitive in detecting abnormalities than vestibular evoked myogenic potentials in early stage multiple sclerosis. Multiple Sclerosis: Clinical and Laboratory Research 2006; 12(S1):S137.

229. Papathanasiou E, Papacostas S, Pantzaris M. "Vestibular evoked neurogenic potentials are more sensitive in detecting abnormalities than vestibular evoked myogenic potentials in early stage multiple sclerosis". European Committee for Treatment and Research in Multiple Sclerosis Congress, 27-30 Sept 2006, Madrid, Spain.

230. Pasiardi E, Bonagiri V, Pasiardes S, Pantzaris M, Angelides N, Nicolaides A, Humphries S, Kariolou M, Lovett M. "Gene expression study in atherosclerotic plaques differentiated according to their echogenicity", 2nd Panellinion Conference on Atherosclerosis, Athens 2006.

231. Patsalis PC, Sismani C, Koumbaris G, Ketoni A, Touliatou V, Kolialexi A, Mavrou A, Kanavakis E, Kitsiou-Tseli S. "Array-CGH analysis and clinical description of 2q37.3 de novo subtelomeric deletion." European Human Henetic Conference, 6-9 May, Amsterdam, The Netherlands, Eur J Hum Genet 14: suppl1, (P0405) 187, 2006.

232. Puusepp H, Zordania R, Mannik K, Kousoulidou L, Sismani C, Bartsch O, Patsalis PC, Ounap K, Kurg A. "Female with partial Turner syndrome, normal menstruation, deletion Xp22.33, and duplication Xp22.12-22.32 analysed using array-MAPH methodology." European Human Genetic Conference, 6-9 May, Amsterdam, The Netherlands, Eur J Hum Genet 14: suppl1, (P0098) 121, 2006.

233. Richter J, Tryfonos C, Papageorgiou GT, Christodoulou CG. "Presence of Enteroviruses in untreated sewages and comparison with isolates from viral meningitis cases." 8th Panhellenic Virology Congress, Thessaloniki, 2006.

234. Sismani C, Anastasiadou V, Parkel S, Kousoulidou L, Zilina O, Bashiardes S, Spanou E, Kurg A, and Patsalis PC. "A familial duplication of Xp22.2 analysed with high resolution X chromosome specific array-MAPH methodology." 11th International Congress of Human Genetics, 6-10 August, Brisbane, Australia, 2006.

235. Sismani C, Anastasiadou V, Parkel S, Kousoulidou L, Zilina O, Bashiardes S, Spanou E, Kurg A, and Patsalis PC. "A familial duplication of Xp22.2 analysed with high resolution X chromosome specific array-MAPH methodology." European Human Genetic Conference, 6-9 May, Amsterdam, The Netherlands, Eur J Hum Genet 14: suppl1, (P0314) 168, 2006.

236. Vincent A, Kleopa, KA, Scherer SS. "Potassium channel antibody-associated neurological syndromes." International Society for Neuroimmunology Meeting, Nagoya, Japan, 2006.

237. Voskarides C, Damianou L, Neocleous V, Zouvani I, Christodoulidou S, Hadjiconstantinou V, Kyriacou K, Ioannou K, Patsias Ch, Alexopoulos E, Pierides A, Deltas CC. "Linkage analysis studies in 8 Cypriot families indicate that COL4A3/COL4A4 mutations may explain the benign recurrent hematuria and thin basement membrane disease that eventually progresses to focal segmental glomerulosclerosis and end stage renal failure." ERA-EDTA XLIII Congress, Glasgow, United Kingdom, 15 – 18 July 2006.

238. Voskarides C, Damianou L, Neocleous V, Zouvani I, Christodoulidou S, Hadjiconstantinou V, Kyriacou K, Ioannou K, Patsias Ch, Alexopoulos E,. Pierides A, Deltas CC. "Genetic and clinical investigation of familial hematuria. Many patients develop progressive chronic renal failure from focal segmental glomerulosclerosis"." European Human Genetics Conference 2006, Amsterdam, The Netherlands, 6 – 9 May 2006.

239. Voskarides C, Neocleous V, Zouvani I, Damianou L, Christodoulidou S, Hadjiconstantinou V, Kyriacou K, Ioannou K, Patsias Ch, Pierides A, Deltas CC. "Molecular and clinical study of familial FSGS - Hematuria in Cyprus and Greece". 31th FEBS Congress, FEBS Young Scientists Forum, Istanbul, Turkey, 24 – 29 June 2006.

240. Zahed L, Sismani C, Ioannides M, Saleh M, Koumbaris G, Abdallah A, Ayyache M Patsalis PC. “Molecular and Clinical description of a girl with 46,X,t(Y;4)(q11.2;p16)[40]/45,X,der(4)t(q11.2;p16)[10] and a small cryptic 4p subtelomeric deletion.” European Human Genetic Conference, 6-9 May, Amsterdam, The Netherlands, Eur J Hum Genet 14: suppl1, (P0414) 189, 2006.

# NATIONAL & INTERNATIONAL AWARDS

## 2006-2011

1. Anthi Drousiotou, Rena Papachristoforou, Petros Petrou, **"Second Poster Award"**, Association of Clinical Laboratory Directors, Biomedical and Clinical Laboratory Scientists at the 5th International Congress of Clinical Chemistry & Laboratory Medicine, Limassol, Cyprus 18-10 March 2011, *Awarded for Originality, scientific completeness, significance to clinical science, structure and organization of the poster, support by the authors.*
2. Philippos Patsalis, **"Most Notable Scientific and Social Contribution Award for 2011"**, University of Nicosia, *Awarded for Outstanding contribution to the betterment of society*.
3. Philippos Patsalis, **"USA, State Alumni Award for 2011"**, Fulbright Committee, *Awarded for exceptional scientific research on the development of non-invasive prenatal diagnosis of Down Syndrome.*
4. Philippos Patsalis, **"Cyprus & Greek Lions Award for 2011"**, Lions, *Awarded for exceptional scientific research on the development of non-invasive prenatal diagnosis of Down Syndrome.*
5. Kleopas Kleopa, **"Membership in European Science Foundation (ESF) Pool of Reviewers"**, Pool Members are selected by the ESF on the basis of their scientific eminence, track record of high-quality reviewing or their valuable achievements with regard to participation in ESF funded activities (2010-2012).
6. Leonidas Phylactou, **"Member of the editorial board of the international peer-review journal "Molecules", 2010"**.
7. Savvas Papacostas, **"Fellow of the American Academy of Neurology"**, American Academy of Neurology, *Awarded for Contributions to neurological care in Cyprus.*
8. Kleopas Kleopa, **"Fellowship Award"**, International Peripheral Nerve Society – to attend and present at the 2009 Meeting, *Awarded for the work on axonal pathology in inherited neuropathy models.*

9. Philippos Patsalis, **"The Cyprus Award for Innovation 2009 (Public Sector)"**, Cyprus Employers and Industrialists Federation, *Awarded for Development of a DNA microarray which enables the detection of unknown X-linked disorders.*

10. Maria Loizidou, **"Panos Ioannou Young Scientist Award 2009"**, The Cyprus Institute of Neurology and Genetics, *Awarded for significant contribution to science through work carried out at the Cyprus Institute of Neurology and Genetics.*

11. Kyriacos Kyriacou, **"Award in recognition of pioneering efforts for the deployment of eHealth in Cyprus"**, *Awarded for recognition of pioneering efforts for the deployment of eHealth in Cyprus, International Conference of Information Technology & Applications in Biomedicine, November 2009.*

12. Kyriacos Kyriacou, **"Best poster presentation"**, 3rd Hellenic Jordanian Congress of Pathology Scientific Committee, *Awarded for poster titled "The contribution of electron microscopy in the diagnosis of glomerulopathies with fibrillary deposits" presented at the 3rd Hellenic Jordanian Congress of Pathology, Limassol, Cyprus, 29 – 31 October 2009.*

13. Maria Loizidou, **"Fellowship from European Society of Human Genetics (ESHG)"**, European Society of Human Genetics, *Awarded for attending the European Human Genetics Conference 2009, Vienna, Austria, 23-26 May 2009.*

14. Philippos Patsalis and Ludmila Kousoulidou, **"The National Research Award "Nicos Simeonides" 2008"**, The Cyprus Research Promotion Foundation, *Awarded for Genetic and Neurobiological Base of X-Linked Mental Retardation.*

15. Maria Loizidou, **"AACR-AstraZeneca International Scholar-in-Training Award"**, American Association for Cancer Research (AACR), *Awarded for poster titled "DNA-repair genetic polymorphisms and breast cancer risk among Cypriot women", presented at the American Association for Cancer Research International Conference "Advances in Cancer Research: From the Laboratory to the Clinic", Dead Sea, Jordan, 16-19 March 2008.*

16. Maria Loizidou, **"Best poster award"**, Marianna Lordos Cancer Memorial Fund, *Awarded for poster titled "Genetic polymorphisms in the DNA-repair genes and risk of breast cancer in Cyprus" presented at the 9th Marianna Lordos Symposium, organized by the Marianna Lordos Cancer Memorial Fund and the International Collaborative Group (ICG) – Familial Breast Ovarian Cancer, Larnaca, Cyprus, 29 February- 2 March 2008.*

17. Eliza Papageorgiou, **"Panos Ioannou Young Scientist Award 2008"**, The Cyprus Institute of Neurology and Genetics, *Awarded for Best Scientific work 2008 at The Cyprus Institute of Neurology and Genetics.*

18. Andreas Hadjisavvas, **"Best poster award"**, Molecular Targets for Cancer Prevention Diagnosis and Treatment International Conference Scientific Committee, *Awarded for poster titled "Searching for molecular targets for breast cancer in genes involved in the DNA-repair pathway among Cypriot women" presented at Molecular Targets for Cancer Prevention Diagnosis and Treatment International Conference, Limassol, Cyprus, 7-10 October 2007.*

19. Nikolaos Mastroyiannopoulos, **"Panos Ioannou Young Scientist Award for 2007"**, The Cyprus Institute of Neurology and Genetics, *Awarded for Best Scientific work 2007 at The Cyprus Institute of Neurology and Genetics.*

20. Eliza Papageorgiou, **"Best Scientific Work Award 2007"**, SAFE (Special Non-Invasive Advances in Fetal and Neonatal Evaluation) European Union Network of Excellence, *Awarded for Microarray-based screen for the identification of differential feto-maternal DNA methylation markers and development of Non Invasive Prenatal Diagnosis of chromosomal disorders.*

21. Cemal Gurkan, **"BSR2007 Bursary"**, BSR, *Awarded for attending the 9th International Conference on Biology and Synchrotron Radiation (BSR), Manchester, England, 13-17 August 2007.*

22. Cemal Gurkan, **"FEBS Bursary"**, Federation of European Biochemical Societies (FEBS), *Awarded for poster titled "Functional characterization of BRCA1/2 unclassified variants observed in the Cypriot population", presented at the 32nd FEBS Congress, Molecular Machines, Vienna, Austria, July 2007.*

23. Maria Loizidou, **"Fellowship for Attending Erasmus Summer Programme 2006",** Netherlands Institute for Health Sciences (NIHES), *Awarded for attending Erasmus Summer Programme 2006, Training in Genetic Epidemiology, Rotterdam, The Netherlands, 7-25 August 2006.*

24. Maria Loizidou, **"Travel award",** Marie Curie Fellowship Association-Irish branch, *Awarded for poster titled "Contribution of BRCA1 and BRCA2 Germ-Line Mutations to the Incidence of Breast and Ovarian Cancer in Young Cypriot Women" presented at EMBO Molecular Medicine Conference: Mammary Gland Development and Breast Cancer Progression, Dublin, Ireland, June 2006.*

25. Carolina Sismani, **"Panos Ioannou Young Scientist Award 2006"**, The Cyprus Institute of Neurology and Genetics, *Awarded for Best Scientific work 2006 at The Cyprus Institute of Neurology and Genetics.*

26. Maria Loizidou, **"Young Investigator Award"**, Cyprus Anti-Cancer Society, *Awarded for an excellent scientific presentation at the Bi-annual International Symposium of the Cyprus Anti-Cancer Society.*

27. Maria Loizidou, **"Short term training fellowship"**, *Fulbright / Amideast, Awarded for training in genetic epidemiology of breast cancer at the Department of Epidemiology, School of Medicine, University of California Irvine, Irvine, California, USA, Lab of Prof. Susan Neuhausen.*

28. Kyproula Christodoulou, **"Honorary Membership"**, Gaetano Conte Academy – Naples.

# RESEARCH GRANTS

2006-2011

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Νέα χημεία Πυραζολών - Βιολογικά Δραστικές Ενώσεις | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Partner | CY£ | 80,000.00 | 136,800.00 | - | - |
| Συνθετικά Ανάλογα θαλάσσιων Αλκαλοειδών | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Partner | CY£ | 40,000.00 | 68,400.00 | - | - |
| 9th Congress of the Mediterranean Society of Myology | Research Promotion Foundation | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | Euro | 28,392.00 | 28,392.00 | 28,392.00 | 28,392.00 |
| Open Innovation for Health - A 2020 Strategy | European Commission - FP7 | Dr. Stavros Malas | Principal Investigator - Coordinator | Euro | 100,000.00 | 100,000.00 | 90,683.00 | 90,683.00 |
| PROGENET | Research Council of Lithuania | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 84,360.00 | 84,360.00 | 84,360.00 | 84,360.00 |
| A study of the modyfing genes in the pathogenesis of mitochondrial encephalomyopathies | Research Promotion Foundation | Dr. Theodoros Kyriakides | Principal Investigator - Coordinator | CY£ | 60,000.00 | 102,600.00 | 55,200.00 | 94,392.00 |
| Contribution to eradication of polio virus by following the possible viral presence in sewages | Research Promotion Foundation | Dr. Christina Christodoulou | Principal Investigator - Coordinator | CY£ | 60,000.00 | 102,600.00 | 29,700.00 | 50,787.00 |
| Reactivation of HbF for thalassaemia treatment | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Coordinator | Euro | 98,200.00 | 98,200.00 | 83,170.00 | 83,170.00 |
| Cloning and expression of BRCA mutations in in-vivo system | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | CY£ | 75,000.00 | 128,250.00 | 67,550.00 | 115,510.50 |
| Introduction of osteological and molecular techniques in Cypriot Archaelogy | Research Promotion Foundation | Dr. Marina Kleanthous / Dr. Marios Cariolou | Principal Investigator - Partner | Euro | 68,280.00 | 68,280.00 | 32,110.00 | 32,110.00 |
| European Network for Rare and Congenital Anaemias | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 658,037.00 | 658,037.00 | 11,117.00 | 11,117.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Development of new methods for detecting rearrangemnts in the BRCA genes in patients from Cyprus and Slovenia | Research Promotion Foundation | Dr. Andreas Hadjisavvas | Principal Investigator - Coordinator | CY£ | 15,900.00 | 27,189.00 | 10,300.00 | 17,613.00 |
| The dicovery of genetic factors that determine the identity of V2 interneurons in the ventral spinal cord using DNA mocroarrays | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 71,225.00 | 121,794.75 | 70,257.00 | 120,139.47 |
| The use of BAC technology to elucidate the role of the transcriptional factor Sox14 in spinal cord development | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | Euro | 162,570.00 | 162,570.00 | 133,442.00 | 133,442.00 |
| A functional study of SOX14 in the development of ventral spinal cord | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | Euro | 92,750.00 | 92,750.00 | 59,430.00 | 59,430.00 |
| eInfrastructure for thalassaemia research network | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Coordinator | Euro | 1,200,000.00 | 1,200,000.00 | 275,580.00 | 275,580.00 |
| Advancing Microarray Technology | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | Euro | 170,860.00 | 170,860.00 | 169,150.00 | 169,150.00 |
| Researcher's Night 2006 | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 95,920.00 | 95,920.00 | 14,970.00 | 14,970.00 |
| MALDI-TOF Mass Spectrometry in Forensic and Medical Genetics (Εφαρμογή Φασματομετρίας Μάζας στην Δικανική και Ιατρική Γενετική) | Research Promotion Foundation | Dr. Marios Cariolou | Principal Investigator - Coordinator | Euro | 170,860.00 | 170,860.00 | 170,860.00 | 170,860.00 |
| Bicommunal campaign for genetic disorders. Raise Awareness | The American Embassy - Federal Assistance Award | Dr. Violetta Anastassiadou | Principal Investigator - Coordinator | USA$ | 10,000.00 | 6,880.00 | 10,000.00 | 6,880.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Proteomics analysis of mammary neoplasia | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 167,860.00 | 167,860.00 | 44,680.00 | 44,680.00 |
| Contribution of amelioration of Public Health by following the possible presence of enteroviruses in swimming pools | Research Promotion Foundation | Dr. Christina Christodoulou | Principal Investigator - Coordinator | Euro | 153,775.00 | 153,775.00 | 119,600.00 | 119,600.00 |
| Intergrating and strengthening the European Research Area. Euro-Mediterranean Network for Gneteic Services | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 1,279,740.00 | 1,279,740.00 | 71,592.00 | 71,592.00 |
| Genetic Investigation of syndromes with X Chromosomal anomalis | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | Euro | 236,225.00 | 236,225.00 | 170,580.00 | 170,580.00 |
| Genetics website and information to patients and clinitians | United Nations Development Programme (UNDP) | Dr. Violetta Anastassiadou | Principal Investigator - Coordinator | CY£ | 47,000.00 | 80,370.00 | 47,000.00 | 80,370.00 |
| Surveillance of viral contamination in Cypriot and Cretian coastal waters:Detection of circulating Hepatatis A strains in sea waters | Research Promotion Foundation | Dr. Christina Christodoulou | Principal Investigator - Coordinator | Euro | 23,580.00 | 23,580.00 | 17,685.00 | 17,685.00 |
| Investigation of the molecular mechanisms of nervous system hyperxcitability in animal models | Research Promotion Foundation | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | Euro | 24,520.00 | 24,520.00 | 24,520.00 | 24,520.00 |
| Models of demyelinating neuropathy and encephalopathy | Research Promotion Foundation | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | Euro | 153,775.00 | 153,775.00 | 151,895.00 | 151,895.00 |
| Inducing myogenesis by regulating muscle cell differentiation | Research Promotion Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | Euro | 254,990.00 | 254,990.00 | 251,575.00 | 251,575.00 |
| Development of a novel genetic approach for the therapy of diseases | Research Promotion Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | Euro | 112,695.00 | 112,695.00 | 110,987.00 | 110,987.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Diagnosis of Ciliary Disorders | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 42,442.00 | 42,442.00 | 42,442.00 | 42,442.00 |
| Expression studies in hereditary motor neuronopathy type Jerash | 2006 Telethon | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | Euro | 51,258.00 | 51,258.00 | 51,258.00 | 51,258.00 |
| Epidemiology and Molecular Basis of Galactosaemia in Cyprus | 2006 Telethon | Dr. Anthi Droushiotou | Principal Investigator - Coordinator | Euro | 76,887.00 | 76,887.00 | 76,887.00 | 76,887.00 |
| Axonal degeneration in CMT1X peripheral neuropathy | 2006 Telethon | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | Euro | 76,887.00 | 76,887.00 | 76,887.00 | 76,887.00 |
| Antiflammatory and antiatherogenic activities of reconstituted forms of high-density lipoprotein (HDL). Role of the HDL-associated platelet-activating factor acetylhydrolase (PAF-AH) and paraoxonase-1 (PON-1). | 2006 Telethon | Dr. Marios Cariolou | Principal Investigator - Coordinator | Euro | 51,258.00 | 51,258.00 | 51,258.00 | 51,258.00 |
| Pharmacogenomic analysis of β-thalassaemia patients under hydroxyurea treatment: implications for β-thalassaemia theurapeutics | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Coordinator | Euro | 135,321.00 | 135,321.00 | 47,910.00 | 47,910.00 |
| Genetic investigation and characterisation of unknown genetic and neurological syndromes in the population of Cyprus, using high resolution DNA microarrays | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | Euro | 119,385.00 | 119,385.00 | 113,519.00 | 113,519.00 |
| Finding new reactivators for fetal globin genes for the treatment of β-thalassaemia and the investigation of the molecular mechanism | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Coordinator | Euro | 23,664.00 | 23,664.00 | 17,685.00 | 17,685.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Epidemiology of cancer in Cyprus | United Nations Development Programme (UNDP) | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 136,517.00 | 136,517.00 | 127,974.00 | 127,974.00 |
| Researcher's Night 2007 | European Commission - FP7 | Dr. Kyriacos Kyriacou | Principal Investigator - Partner | Euro | 70,000.00 | 70,000.00 | 3,514.00 | 3,514.00 |
| EUROGENE: The first Pan-European Learning Service in the Field of Genetics | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 1,800,000.00 | 1,800,000.00 | 43,113.00 | 43,113.00 |
| Point of care Monitoring and Diagnostics for Autoimmune Diseases | European Commission - FP7 | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 7,470,000.00 | 7,470,000.00 | 147,903.00 | 147,903.00 |
| Quantitative analysis of SMN genes based on MLPA technique. A study in spinal muscular atrophy patients from Cyprus and Romania | Research Promotion Foundation | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | Euro | 15,075.00 | 15,075.00 | 15,075.00 | 15,075.00 |
| Genetics of common familial cancer syndromes | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 15,075.00 | 15,075.00 | 15,075.00 | 15,075.00 |
| Atypical FSHD from Cyprus and Slovenia | Research Promotion Foundation | Dr. Eleni Zamba Papanicolaou | Principal Investigator - Coordinator | Euro | 17,586.00 | 17,586.00 | 17,586.00 | 17,586.00 |
| Investigation of Familial Colorectal cancer in Cyprus and Slovenia | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 17,595.00 | 17,595.00 | 17,595.00 | 17,595.00 |
| A study of the role of complement CiQ in animal model of Familial Amyloyid Neuropathy Type I | Research Promotion Foundation | Dr. Theodoros Kyriakides / Dr. S Malas | Principal Investigator - Coordinator | Euro | 159,998.00 | 159,998.00 | 149,828.00 | 149,828.00 |
| New Infrastructure for the Study of Cell Transfer in Forensic Genetics | Research Promotion Foundation | Dr. Marios Cariolou | Principal Investigator - Coordinator | Euro | 799,600.00 | 799,600.00 | 799,600.00 | 799,600.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Helicobacter Pylori In Cyprus: Characteristics And Implications | Research Promotion Foundation | Dr. Christina Christodoulou | Principal Investigator - Coordinator | Euro | 162,596.00 | 162,596.00 | 159,994.00 | 159,994.00 |
| Molecular Analysis Of Enteroviruses Responsible For Viral Meningitis And Other Enteroviral Infections In Cyprus | Research Promotion Foundation | Dr. Christina Christodoulou | Principal Investigator - Coordinator | Euro | 45,000.00 | 45,000.00 | 45,000.00 | 45,000.00 |
| Improving Diagnosis of Mental Retardation in Children in Central Eastern Europe and Central Asia through Genetic Characterisation and Bioinformatics/Statistics | European Commission - FP7 | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 2,647,211.00 | 2,647,211.00 | 319,652.00 | 319,652.00 |
| Phenotype/Genotype colleraltion studies on haemoglobinopathies | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Coordinator | Euro | 15,075.00 | 15,075.00 | 15,075.00 | 15,075.00 |
| The role of GAP junction in Multiple Sclerosis | Research Promotion Foundation | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | Euro | 119,998.00 | 119,998.00 | 116,998.00 | 116,998.00 |
| Structural and Functional Implications for BRCA Variants Observed in Cypriot Families | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 40,000.00 | 40,000.00 | 40,000.00 | 40,000.00 |
| GAP Junction Pathology in Multiple Sclerosis Brain | Research Promotion Foundation | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | Euro | 40,000.00 | 40,000.00 | 40,000.00 | 40,000.00 |
| Improving Health Care and Social Support for Patients and Family affected by Severe Genodermatoses - Together Against Gentdermatoses (TAG) | European Commission - FP7 | Dr. Violetta Anastassiadou | Principal Investigator - Partner | Euro | 479,790.00 | 479,790.00 | 22,285.00 | 22,285.00 |
| Clinical And Genetic Investigation Of Cypriot SCA Families | Research Promotion Foundation | Dr. Eleni Zamba Papanicolaou | Principal Investigator - Coordinator | Euro | 120,000.00 | 120,000.00 | 119,000.00 | 119,000.00 |
| ITHANET-The International Haemoglobinopathy Portal | Research Promotion Foundation | Dr. Marina Kleanthous | Principal Investigator - Coordinator | Euro | 148,518.00 | 148,518.00 | 78,810.00 | 78,810.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Genetic Variants In Epigenetic Genes And Risk Of Breast Cancer In The Cypriot Population | Research Promotion Foundation | Dr. Andreas Hadjisavvas | Principal Investigator - Coordinator | Euro | 165,296.00 | 165,296.00 | 149,794.00 | 149,794.00 |
| High-Resolution Genetic Investigation Of Autism In Cyprus | Research Promotion Foundation | Dr. Ludmila Kousoulidou | Principal Investigator - Coordinator | Euro | 159,752.00 | 159,752.00 | 154,296.00 | 154,296.00 |
| Upgrade Of The Microarray Laboratory And Development Of A New X Chromosome Exon-Specific Array | Research Promotion Foundation | Dr. Carolina Sismani | Principal Investigator - Coordinator | Euro | 400,435.00 | 400,435.00 | 395,585.00 | 395,585.00 |
| Identifiaction of a Novel Axonal Type Charcot-Marie-Tooth Disease Gene | Association Francaise Contre Les Myopathies (AFM) | Dr. Kyproula Christodoulou / Dr. Eleni Papanicolaou | Principal Investigator - Coordinator | Euro | 30,000.00 | 30,000.00 | 30,000.00 | 30,000.00 |
| Human Genome Copy Number Variations In The Cypriot Population | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | Euro | 40,000.00 | 40,000.00 | 40,000.00 | 40,000.00 |
| ΑΝΑΠΤΥΞΗ ΥΔΡΟΦΙΛΩΝ ΚΑΤΙΟΝΤΙΚΩΝ ΑΣΤΕΡΟΕΙΔΩΝ ΠΟΛΥΜΕΡΩΝ ΓΙΑ ΜΕΤΑΦΟΡΑ ΕΠΕΜΒΑΤΙΚΟΥ RNA ΣΕ ΚΥΤΤΑΡΑ ΘΗΛΑΣΤΙΚΩΝ | Research Promotion Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | Euro | 59,977.00 | 59,977.00 | 2,880.00 | 2,880.00 |
| Συγκεντρωση δεδομένων θεραπείας με Betaferon και ασκησης επι ΠΣ πρώιμου σταδίου | BAYER ΕΛΛΑΣ ΑΒΕΕ | Dr. Marios Pantzaris | Principal Investigator - Coordinator | Euro | 22,750.00 | 22,750.00 | 22,750.00 | 22,750.00 |
| Targeted screening of microRNA - dosing genes in patients with Autism Spectrum Disorders (ASD) | 2009 Telethon | Dr. Ludmila Kousoulidou | Principal Investigator - Coordinator | Euro | 100,000.00 | 100,000.00 | 100,000.00 | 100,000.00 |
| Study of methylation patterns of breast tissues from Cyprus and Slovenia | Research Promotion Foundation | Dr. Andreas Hadjisavvas | Principal Investigator - Coordinator | Euro | 25,000.00 | 25,000.00 | 25,000.00 | 25,000.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Identification of Distinct microRNA profiles in multiple sclerosis patients resistant to INF-β | Genesis Pharma 2009 | Dr. Leonidas Phylactou/Dr. Marios Pantzaris | Principal Investigator - Coordinator | Euro | 10,000.00 | 10,000.00 | 10,000.00 | 10,000.00 |
| A study of modifier genes on diease severity in Multiple Sclerosis | Genesis Pharma 2009 | Dr. Theodoros Kyriakides/Dr. M Pantzaris/ Dr. K. Christodoulou | Principal Investigator - Coordinator | Euro | 20,000.00 | 20,000.00 | 20,000.00 | 20,000.00 |
| Epidemiology of Cancer in Cyprus | Cypriot Civil Society in Action II | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 210,972.00 | 210,972.00 | 132,972.00 | 132,972.00 |
| Functional significance and cancer risk assessment of BRCA1 and BRCA2 uncharacterised/unclassified variants (Uvs) identified in Cypriot families | 2009 Telethon | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 100,000.00 | 100,000.00 | 100,000.00 | 100,000.00 |
| Developing new treatments for CMT1X neuropathy | 2009 Telethon | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | Euro | 100,000.00 | 100,000.00 | 100,000.00 | 100,000.00 |
| Epidemiology of TBMN in Cyprus and Roumania | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | Euro | 24,640.00 | 24,640.00 | 24,640.00 | 24,640.00 |
| Neurocognitive Treatment of Mild Cognitive Impairement | Research Promotion Foundation | Dr. Savvas Papacostas | Principal Investigator - Coordinator | Euro | 800,000.00 | 800,000.00 | 16,335.00 | 16,335.00 |
| Applied Neurosciences and neurobehavioral research centre | Research Promotion Foundation | Dr. Savvas Papacostas | Principal Investigator - Coordinator | Euro | 10,000.00 | 10,000.00 | 10,000.00 | 10,000.00 |
| The role of endoplasmic reticulum and oxidative stress in the pathogenesis of Galactosaemia | Research Promotion Foundation | Dr. Anthi Droushiotou | Principal Investigator - Coordinator | Euro | 43,750.00 | 43,750.00 | 43,750.00 | 43,750.00 |
| Identification of LIM3 target genes expressed in V2a interneurons | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | Euro | 60,000.00 | 60,000.00 | 42,000.00 | 42,000.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Research activities of the Department of Molecular Genetics Function and Therapy | Anastasios G. Leventis Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | Euro | 390,659.00 | 390,659.00 | 390,659.00 | 390,659.00 |
| CNS connexins and Demywlination in CMTX | National Multiple Sclerosis Society | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | USA$ | 219,750.00 | 151,188.00 | 219,750.00 | 151,188.00 |
| Special Non-Invasive Advances in Fetal and Neonatal Evaluation Network | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 12,000,000.00 | 12,000,000.00 | 138,845.00 | 138,845.00 |
| Special Non-Invasive Advances in Foetal and Neonatal Evaluation Network | European Commission - FP6 | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 12,000,000.00 | 12,000,000.00 | 69,960.00 | 69,960.00 |
| Διαχωρισμός Αμινοξέων και Παρεμποδιστών Χολιστεράσης με Χρωματογραφία και Ηλεκτροχρωματογραφία Τριχοειδούς | Research Promotion Foundation | Dr. Kleopas Kleopa | Principal Investigator - Partner | CY£ | 40,000.00 | 68,400.00 | 1,150.00 | 1,966.50 |
| Επίδραση της λήψης διαφορετικού γλυκαιμικού δείκτη υδατανθράκων στα επίπεδα β-ενδορφίνης και στην απόδοση | Research Promotion Foundation | Dr. Kleopas Kleopa | Principal Investigator - Partner | CY£ | 40,000.00 | 68,400.00 | 114.00 | 194.94 |
| Therapeutic properties of Twist gene in myopathies | Research Promotion Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | CY£ | 15,025.00 | 25,692.75 | 14,025.00 | 23,982.75 |
| A study of the function of SOX1 in the embryonic telencephalon | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 40,000.00 | 68,400.00 | 37,800.00 | 64,638.00 |
| Mentoring of LifeSciHealth-Multipliers in the Accession Candidate Countries (ACCs) | European Commission - FP6 | Dr. Stavros Malas | Principal Investigator - Partner | Euro | 597,888.00 | 597,888.00 | 30,942.00 | 30,942.00 |
| Development of DNA microarray for the detection of microdeletion and microduplication in genes located in the X chromosome (X-TSIP) | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | CY£ | 34,994.00 | 59,839.74 | 34,994.00 | 59,839.74 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| A study of the therapeutic properties of novel antioxidants in a transgenic model familial ALS | Research Promotion Foundation | Dr. Theodoros Kyriakides | Principal Investigator - Partner | CY£ | 49,995.00 | 85,491.45 | 11,000.00 | 18,810.00 |
| New material for the management and treatment of chronic inflammatory illness of intense | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 70,000.00 | 119,700.00 | 4,538.00 | 7,759.98 |
| The use of post-trabscriptional nuclear elements for the study myotonic dystrophy | Association Francaise Contre Les Myopathies (AFM) | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | Euro | 30,000.00 | 30,000.00 | 30,000.00 | 30,000.00 |
| Herpesviruses as possible etiology of MS | National Multiple Sclerosis Society | Dr. Christina Christodoulou | Principal Investigator - Coordinator | USA$ | 241,065.00 | 165,852.72 | 241,065.00 | 165,852.72 |
| The Development of Genetic tools for Isolating Stem Cells with Neurogenic Potential from Umbilical Cord Blood | Telethon | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 41,385.00 | 70,768.35 | 41,385.00 | 70,768.35 |
| Therapeutic trial of Melatonin and Trimetazidine in a Trnasgenic Mouse Model of Familial ALS | Telethon | Dr. Theodoros Kyriakides | Principal Investigator - Coordinator | CY£ | 37,368.00 | 63,899.28 | 37,368.00 | 63,899.28 |
| Kinesin Molecular Motors and Neurodegenerative Disease: The case of ALS | Telethon / University of Cyprus | Dr. Niovi Santama | Principal Investigator - Coordinator | CY£ | 50,825.00 | 86,910.75 | 50,825.00 | 86,910.75 |
| A functional study of SOX transcription factors in early development of the ventral spinal cord | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 64,400.00 | 110,124.00 | 64,400.00 | 110,124.00 |
| Repair of the DM by using post-transcriptional reguratory elements | Research Promotion Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | CY£ | 29,490.00 | 50,427.90 | 28,490.00 | 48,717.90 |
| Impact of carers of people with Alzheimer's Disease | Research Promotion Foundation | Dr. Savvas Papacostas | Principal Investigator - Coordinator | CY£ | 20,093.00 | 34,359.03 | 8,025.00 | 13,722.75 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Complete system for evaluating ultrasound images from carotid arteries | Research Promotion Foundation | Dr. Efthyvoulos Kyriacou / Prof. Andys Nicolaides | Principal Investigator - Coordinator | CY£ | 49,890.00 | 85,311.90 | 30,300.00 | 51,813.00 |
| The mechanisms of peripheral and central demyelination in CMTX | Telethon | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | CY£ | 24,675.00 | 42,194.25 | 24,675.00 | 42,194.25 |
| The evaluation of Sox1, Sox2, and ABCG2 as markers of neural stem cells | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 74,395.00 | 127,215.45 | 52,650.00 | 90,031.50 |
| Genetic polymorphisms in breast cancer cases in Cyprus | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | CY£ | 73,900.00 | 126,369.00 | 63,800.00 | 109,098.00 |
| Epidemiology of breast cancer in Cypurs | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | CY£ | 71,366.00 | 122,035.86 | 65,133.00 | 111,377.43 |
| Exploratory Investigation in the Analysis of High Dimensional SNP Data | GlaxoSmithKline Research & Development Ltd | Dr. Constantinos Pattichis | Principal Investigator - Coordinator | UK£ | 64,893.00 | 71,771.66 | 64,893.00 | 71,771.66 |
| Development of an electronic system for filling patient information | Research Promotion Foundation | Dr. Efthyvoulos Kyriacou | Principal Investigator - Partner | CY£ | 50,000.00 | 85,500.00 | 3,973.00 | 6,793.83 |
| Quality in Molecular Genetic Testing: Development of certified reference materials (NAS partner admission) | European Commission - FP5 | Dr. Kyproula Christodoulou | Principal Investigator - Partner | Euro | 1,284,910.00 | 1,284,910.00 | 24,960.00 | 24,960.00 |
| The Genetic and neurobiological Basis of X-linked Mental Retardation (MRX) | European Commission - FP5 | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 1,699,999.00 | 1,699,999.00 | 130,951.00 | 130,951.00 |
| Mutations in the BRCA1/2 genes in early onset breast/ovarian cancer in Cyprus | Research Promotion Foundation | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | CY£ | 13,200.00 | 22,572.00 | 13,200.00 | 22,572.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Complete system for supporting the diagnosis of risk for causing stroke | Research Promotion Foundation | Dr. Efthyvoulos Kyriacou | Principal Investigator - Partner | CY£ | 55,065.00 | 94,161.15 | 20,145.00 | 34,447.95 |
| The effect of latent fingerprinting techniques on subsequent DNA analysis | Research Promotion Foundation | Dr. Marios Cariolou | Principal Investigator - Coordinator | CY£ | 24,800.00 | 42,408.00 | 13,700.00 | 23,427.00 |
| Development of a novel methodology for the prenatal diagnosis of Down Syndrome | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | CY£ | 49,600.00 | 84,816.00 | 45,100.00 | 77,121.00 |
| Epidemiology of cardiovascular diesease risk factors in Cyprus | Research Promotion Foundation | Dr. Andis Nicolaides | Principal Investigator - Coordinator | CY£ | 169,565.00 | 289,956.15 | 154,220.00 | 263,716.20 |
| Establishment of infrastructure and methods for pre-implantation diagnosis of polycystic kidney diseases and Familial Mediterranean fever | Research Promotion Foundation | Dr. Constantinos Deltas | Principal Investigator - Coordinator | CY£ | 49,850.00 | 85,243.50 | 31,850.00 | 54,463.50 |
| The cord blood as a source of stem cells for clinical and research use | Research Promotion Foundation | Dr. Stavros Malas | Principal Investigator - Coordinator | CY£ | 50,000.00 | 85,500.00 | 41,000.00 | 70,110.00 |
| Genetic Mechanisms that Determine Neruonal Progenitor Identity in the Ventral Spinal Cord | European Commission - FP5 | Dr. Stavros Malas | Principal Investigator - Coordinator | Euro | 1,629,845.00 | 1,629,845.00 | 347,789.00 | 347,789.00 |
| Genetic Studies in autosomal recessive hereditary motor neuronopathy and autosomal recessive inclusion body myopathy | Muscular Dystrophy Association (USA) | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | USA$ | 180,000.00 | 123,840.00 | 180,000.00 | 123,840.00 |
| Neuromuscular diseases in Eastern Mediterranean countries (1 and 2) | Muscular Dystrophy Association (USA) | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | USA$ | 327,180.00 | 225,099.84 | 327,180.00 | 225,099.84 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Identifying novel genomic regions and genes associated with inherited predisposition to breast and ovarian cancer | Middle East Cancer Consortium (MECC) | Dr. Kyproula Christodoulou | Principal Investigator - Partner | USA$ | 60,000.00 | 41,280.00 | 60,000.00 | 41,280.00 |
| Friedreich's ataxia cancer screening in the population originating from the Paphos district of Cyprus | United Nations Office for Project Services (UNOPS) | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | CY£ | 58,452.00 | 99,952.92 | 58,452.00 | 99,952.92 |
| Genetic Studies on hereditary nonpolyposis (HNPCC) colorectal cancer in families from Israel and Cyprus | Middle East Cancer Consortium (MECC) | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | USA$ | 60,000.00 | 41,280.00 | 60,000.00 | 41,280.00 |
| Identifiaction of a novel Charcot-Marie-Tooth Type2 (CMT2) gene | Muscular Dystrophy Association (USA) | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | USA$ | 185,850.00 | 127,864.80 | 185,850.00 | 127,864.80 |
| Pancyprian study of amyloid neuropathy | Research Promotion Foundation | Dr. Kyproula Christodoulou/Dr. Theodoros Kyriakides | Principal Investigator - Partner | CY£ | 49,700.00 | 84,987.00 | 41,800.00 | 71,478.00 |
| Development of a high throughput microarray for the diagnosis of Charcot-Marie-Tooth neuropathy (EU FP6 proposal) - matching fund | Research Promotion Foundation | Dr. Kyproula Christodoulou | Principal Investigator - Coordinator | CY£ | 5,000.00 | 8,550.00 | 5,000.00 | 8,550.00 |
| Study of secondary genes in the pathogenesis of Mitochondrial encephalomyopathies | Research Promotion Foundation | Dr. Kyproula Christodoulou | Principal Investigator - Partner | CY£ | 63,580.00 | 108,721.80 | 63,580.00 | 108,721.80 |
| Application of RNA technology in biological systems (1 and 2) | Anastasios G. Leventis Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | USA$ | 380,000.00 | 261,440.00 | 380,000.00 | 261,440.00 |
| Ribozyme-mediated repair of the myotonic dystrophy mutation | Muscular Dystrophy Campaign UK | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | UK£ | 98,805.00 | 109,278.33 | 98,805.00 | 109,278.33 |
| Optimization of RNA targeting and repair of the DM mutation by group intron ribozymes | Association Francaise Contre Les Myopathies (AFM) | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | FF | 300,000.00 | 45,600.00 | 300,000.00 | 45,600.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| Repair of p16 mutations in human tumour cell lines | Association for International Cancer Research | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | UK£ | 98,515.00 | 108,957.59 | 98,515.00 | 108,957.59 |
| Developing hammerhead ribozymes to investigate gene function during development | Human Frontier Science Programme Organisation | Dr. Leonidas Phylactou | Principal Investigator - Partner | USA$ | 540,000.00 | 371,520.00 | 231,000.00 | 158,928.00 |
| Study of cell differentiation in muscle cells | Anastasios G. Leventis Foundation | Dr. Leonidas Phylactou | Principal Investigator - Coordinator | USA$ | 285,000.00 | 196,080.00 | 285,000.00 | 196,080.00 |
| Viral Meningitis. Molecular monitoring and surveillance of viral meningitis epidemic | Cyprus Ministry of Health | Dr. Christina Christodoulou | Principal Investigator - Coordinator | CY£ | 300,000.00 | 513,000.00 | 300,000.00 | 513,000.00 |
| Connexin32 mutations and central demyelination | National Multiple Sclerosis Society | Dr. Kleopas Kleopa | Principal Investigator - Coordinator | USA$ | 45,721.00 | 31,456.05 | 45,721.00 | 31,456.05 |
| Polyunsuturated fatty acids in Relapsing Multiple Sclerosis | Cyprus Ministry of Commerce and Finance - Incubators Programme | Dr. Marios Pantzaris | Principal Investigator - Coordinator | CY£ | 120,000.00 | 205,200.00 | 120,000.00 | 205,200.00 |
| EuMedCancer network (EUMEDIS) | European Commission - FP5 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 1,040,000.00 | 1,040,000.00 | 1,000.00 | 1,000.00 |
| The first Pan-European Learning Services in the Field of Genetics | European Commission - FP6 | Dr. Marina Kleanthous | Principal Investigator - Partner | Euro | 1,657,650.00 | 1,657,650.00 | 38,400.00 | 38,400.00 |
| Microarray based screen for differential fetomaternal methylation of DNA seqeunces (SAFE-SAF) | European Commission - FP6 | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 140,000.00 | 140,000.00 | 140,000.00 | 140,000.00 |
| EuMedCancer network (EUMEDIS) | European Commission - FP5 | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 1,040,000.00 | 1,040,000.00 | 40,000.00 | 40,000.00 |
| Development of a novel DNA diagnostic technologies for the detection of structural chromosomal abnormalities in | Estonian Science Foundation | Dr. Philippos Patsalis | Principal Investigator - Partner | Euro | 70,000.00 | 70,000.00 | 10,000.00 | 10,000.00 |

| PROJECT TITLE | FUNDING BODY | CING INVESTIGATOR | COORDINATION | CUR | TOTAL FUNDING | TOTAL FUNDING IN EUROS | CING FUNDING | CING FUNDING IN EUROS |
|---|---|---|---|---|---|---|---|---|
| case of mental retardation - Probe Bank and DNA arrays for MAPH-DCA | | | | | | | | |
| Development and demonstration of the new molecular methodology XAΔ for the detection of chromosomal abnormalities | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | Euro | 77,000.00 | 77,000.00 | 77,000.00 | 77,000.00 |
| Isolation, molecular analysis and characterisation of lipids in food that acquired molecular mutations during manufacturing, string and cooking | Research Promotion Foundation | Dr. Philippos Patsalis | Principal Investigator - Coordinator | Euro | 54,000.00 | 54,000.00 | 54,000.00 | 54,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Electron microscopy of kidney biopsies | Pancyprian Association of Kidney Patients and Friends | Dr. Kyriacos Kyriacou | Principal Investigator - Coordinator | CY£ | 23,000.00 | 39,330.00 | 23,000.00 | 39,330.00 |
| Mammary gland development, function and cancer | European Commission - COST action | Dr. Kyriacos Kyriacou | Principal Investigator - Partner | Euro | 100,000.00 | 100,000.00 | 20,000.00 | 20,000.00 |
| Collaborative Association Studies in Breast Cancer | European Commission - COST action | Dr. Kyriacos Kyriacou | Principal Investigator - Partner | Euro | 100,000.00 | 100,000.00 | 20,000.00 | 20,000.00 |
| Complete system for supporting the diagnosis of risk for causing stroke | Research Promotion Foundation | Dr. Efthyvoulos Kyriacou | Principal Investigator - Partner | CY£ | 55,065.00 | 94,161.15 | 20,145.00 | 34,447.95 |
| Complete system for supporting the diagnosis of risk for causing stroke | Research Promotion Foundation | Dr. Efthyvoulos Kyriacou | Principal Investigator - Partner | CY£ | 55,065.00 | 94,161.15 | 20,145.00 | 34,447.95 |


# EDUCATION

# ORGANIZATION OF NATIONAL & INTERNATIONAL SCIENTIFIC CONFERENCES

## 2011

1. 9th Balkan Congress of Medical Genetics, 15-17 September 2011, Timisoara, Rumania. *(Dr Leonidas Phylactou, Member of the Scientific Committee)*
2. Joint Continuum Meeting on Neurogenetics, May 2011, Cyprus and Lebenese Neurological Societies. *(Dr Kleopas Kleopa)*
3. DNA Day, 29 April 2011, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*
4. 7th Conference, Society of High School Biology Teacher ΟΕΛΜΕΚ, Annual meeting, 2011, Cyprus. *(Dr Philippos Patsalis)*
5. Rare Diseases Workshop, June 23-24, 2011, Cleopatra Hotel, Nicosia, Cyprus. *(Co-organized by the Ministry of Health and Dr Violetta Anastasiadou who was on the steering and organizing committee).*

## 2010

1. 2nd International Cyprus Society of Human Genetics Conference, November 26-27, 2010, Solon Triantafyllides Conference Hall, Bank of Cyprus, Agia Paraskevi, Nicosia, Cyprus. *(Dr Violetta Anastasiadou, President of the CSHG and headed the organizing committee)*
2. 2nd International Conference of the Cyprus Society of Human Genetics, 26-27 November 2010, Nicosia, Cyprus. *(Dr Andreas Hadjisavvas and Maria Loizidou, Member of the scientific and organizing committee)*
3. 3rd Course in the Integration of Cytogenetics, Microarrays and Massive Sequencing in Biomedical and Clinical Research. Remote Training Center for the "European School of Genetic Medicine", 16-20 October 2010, Nicosia, Cyprus. *(Dr Carolina Sismani)*
4. Scientific Conference on Multiple Sclerosis, May 2010, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Kleopas Kleopa)*
5. DNA Day, 23 April 2010, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*
6. 6th Conference, Society of High School Biology Teacher ΟΕΛΜΕΚ, Annual meeting, 2010, Cyprus. *(Dr Philippos Patsalis)*

7. 2nd International Conference of the Cyprus Society of Human Genetics, 26-27 November 2010, Bank of Cyprus Conference Centre, Nicosia, Cyprus. *(Dr Anthi Drousiotou)*

8. Workshop on the Ithanet Portal and the preparation of information material for Thalassaemia, 17 October 2010, Nicosia, Cyprus. *(Dr Marina Kleanthous)*

# 2009

1. 8th European Cytogenetics Conference, PWG: Molecular Cytogenetics and Array CGH "Molecular Cytogenetics and Array CGH", 4-7 July 2009, Porto, Portogal. *(Dr Philippos Patsalis)*

2. Molecular Cytogenetics and Array CGH "Molecular Karyotype Workshop" as part of the 7th European Cytogenetics Conference, 4-7 July 2009, Stockholm, Sweden. *(Dr Philippos Patsalis)*

3. ULTRAPATH XIV Conference, June 2009, Crete, Greece. *(Dr Kyriacos Kyriacou, Member of the scientific committee)*

4. 10th International Symposium on Mutations in the Genome, Mutation Detection MMIX, June 2009, Paphos, Cyprus. *(Dr Andreas Hadjisavvas, local organizer, Member of the scientific committee)*

5. DNA Day, 24 April 2009, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

6. 9th Congress of the Mediterranean Society of Myology, 20 – 22 March 2009, Nicosia, Cyprus. *(Dr Kyproula Christodoulou, Dr Kleopas Kleopa)*

7. Hands-on training at the EMBL-EBI Roadshow, 23-24 February 2009, Nicosia, Cyprus. *(Dr Philippos Patsalis, Christodoulos Christodoulou)*

8. 4th Conference, Society of High School Biology Teacher ΟΕΛΜΕΚ, Annual meeting, 2009, Cyprus. *(Dr Philippos Patsalis)*

9. Award Symposium for distinguished scientist, Frank Grosvelt, 4 May 2009, Nicosia, Cyprus. *(Dr Marina Kleanthous)*

10. 9th Meeting of the Mediterranean Society of Myology, 20-22 March 2009, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Anthi Drousiotou)*

11. PAS/CING meeting, Προς μια Γονιδιακή Θεραπεία της Θαλασσαιμίας στην Κύπρο, 12 March 2009, Nicosia, Cyprus. *(Dr Marina Kleanthous)*

# 2008

1. UNDP Gene Net Cyprus Networking Meeting, 30 October 2008, Chateau Status, Nicosia, Cyprus. *(Dr Violetta Anastasiadou and Gene Net Cyprus Team: Turem Delikurt, Kristian Theochari, Elena Spanou Aristidou, Anna Maria Kotti)*

2. 1st International Cyprus Society of Human Genetics Conference, October 3-4, 2008, Solon Triantafyllides Conference Hall, Bank of Cyprus, Agia Paraskevi,

Nicosia, Cyprus. *(co-organized by Dr Violetta Anastasiadou: a member of the organizing committee)*

3. International Conference: Myasthenia, Diagnosis and Treatment, December 2008, Nicosia, Cyprus. *(Dr Kleopas Kleopa)*
4. 1st International Conference of the Cyprus Society of Human Genetics, 3-4 October 2008, Nicosia, Cyprus. *(Dr Kyproula Christodoulou, Dr Andreas Hadjisavvas, Member of the scientific and organizing committee)*
5. 1st International Conference Recent Advances in Health and Medical Sciences, March 2008, Paphos, Cyprus. *(Dr Kyriacos Kyriacou, Member of the scientific committee, Chairman of cancer genetics session)*
6. 9th Marianna Lordos Symposium, organized by the Marianna Lordos Cancer Memorial Fund and the International Collaborative Group (ICG) – Familial Breast Ovarian Cancer, 29 February- 2 March 2008, Larnaca, Cyprus. *(Dr Kyriacos Kyriacou, Chairman of the organizing committee)*
7. 3rd Conference, Society of High School Biology Teacher ΟΕΛΜΕΚ, Annual meeting, 2008, Cyprus. *(Dr Philippos Patsalis)*
8. Thalassochip Workshop, 20 June 2008, Nicosia, Cyprus. *(Dr Marina Kleanthous)*
9. Satellite Symposium on "Lysosomal Storage Disorders: Modern Therapeutic Approaches", within the framework of the Annual Conference of the Nicosia - Kyrenia Medical Association, 29-30 March 2008, Hilton Hotel, Nicosia, Cyprus. *(Dr Anthi Drousiotou)*
10. 2nd European Symposium on Rare Anaemias Symposium, 13-14 March 2008, Nicosia, Cyprus. *(Dr Marina Kleanthous)*
11. 2nd Ithanet Workshop on e-Infrastructure tools meeting, 18-19 January 2008, Athens, Greece. *(Dr Marina Kleanthous)*

# 2007

1. Νεότερες εξελίξεις και εφαρμογές στην Κλινική Νευροφυσιολογία, 8-9 December 2007, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Eleni Zamba-Papanicolaou co-organised with Hellenic Society of Neurophysiology)*
2. International Forum for the Study of Familial and Early Breast Cancer, 18-21 October 2007, Nicosia, Cyprus. *(Dr Kyriacos Kyriacou, Chairman of the organizing committee, Dr Andreas Hadjisavvas, Member of the scientific committee)*
3. Molecular targets for cancer prevention diagnosis and treatment, 7-10 October 2007, Limassol, Cyprus. *(Dr Kyriacos Kyriacou, Member of organizing committee)*

4. Identification of Inherited Deafness in Cyprus (Εντοπισμός της Κληρονομικής Κώφωσης στην Κύπρο) March 2007, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

5. 2nd Conference, Society of High School Biology Teacher ΟΕΛΜΕΚ, Annual meeting, 2007, Cyprus. *(Dr Philippos Patsalis)*

6. SAFE/Ithanet, New Technologies for Non-Invasive Prenatal Diagnosis of Haemoglobinopathies Workshop, 30 November – 1st December 2007, Limassol, Cyprus. *(Dr Marina Kleanthous)*

7. Ithanet Project Meeting and ITHANET Workshop, 27-29 November 2007, Nicosia, Cyprus. *(Dr Marina Kleanthous)*

# 2006

1. 16th International Conference on Chelators (ICOC) for the Treatment of Thalassaemia, Cancer and Other Diseases related to Metal and Free Radical Imbalance and Toxicity, 25-31 October 2006, Limassol, Cyprus. *(Dr Kyriacos Kyriacou)*

2. 8th course in Molecular Cytogenetics and DNA microarray. Remote Training Center for the "European School of Genetic Medicine", 24-28 September 2006, Nicosia, Cyprus. *(Dr Philippos Patsalis)*

3. European Congress of Pathology, May 2006. *(Dr Kyriacos Kyriacou, Member of the European Electron Microscopy Working Group (EMWG), Chairman of committee for organizing sessions and seminars of the EMWG)*

4. 8th Marianna Lordos Cancer Seminar, 10-12 February 2006, Larnaca, Cyprus. *(Dr Kyriacos Kyriacou)*

5. EU COST Action B20 Meeting, 10-12 February 2006, Larnaca, Cyprus. *(Dr Kyriacos Kyriacou)*

6. 1st Conference, Society of High School Biology Teacher ΟΕΛΜΕΚ, Annual meeting, 2006, Cyprus. *(Dr Philippos Patsalis)*

7. 2nd Symposium of the Cyprus Society of Human Genetics in memory of Dr Panos Ioannou, 6 July 2006, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Anthi Drousiotou)*

8. SAFE 1st Workshop on New Technologies for Non-Invasive Prenatal Diagnosis of Haemoglobinopathies, Cyprus, 8-9 June 2006, Limassol, Cyprus. *(Dr Marina Kleanthous)*

9. 1st Meeting of Centers-Network for Research in Neurology (CeNeReN), January 2006, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Marios Pantzaris co-organized with Dr Grigoriades N. Aristotelion University Thessaloniki, Greece and Dr Hadjigeorgiou G. University of Thessaly, Larissa, Greece)*

# PhD STUDENTS

## 2011

1. **Allabdulla Ruba, PhD in "Advanced gene therapy approaches to β-thalassaemia", 2011 – today**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: University of Cyprus

2. **Charalambidou Emily, PhD in Proteomics, May 2011 – today**
   Supervisor in CING-Dr: Kyriacos Kyriacou
   University Affiliation: University of Cyprus

3. **Koutalianos Demetris, PhD, September 2011 – today**
   Supervisor in CING-Dr: Leonidas Phylactou
   University Affiliation: University of Cyprus

4. **Stephanou Coralea, PhD in "Advancing lentiviral gene therapy vectors for β-thalassaemia", 2011 – today**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: King's College

5. **Theodorou Andria, PhD in "Activity and mechanisms of HbF inducers", 2011 – today**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: King's College

6. **Voskou Stella, PhD in "Εύρεση φαρμάκων για θεραπεία της θαλασσαιμίας με τη βοήθεια χημειοπληροφορικής", 2011 – today**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: University of Cyprus

## 2010

1. **Delikurt Turem, PhD on "Genetic Counselling in the Turkish Cypriot Community", October 2010 – today**
   Supervisor in CING-Dr: Violetta Anastasiadou
   University Affiliation: University of Plymouth

2. **Demetriou Christiana, PhD in Molecular Epidemiology, July 2010 – today**
   Supervisor in CING-Dr: Kyriacos Kyriacou
   University Affiliation: Imperial College London, UK

3. **Ioannides Marios, PhD in Medical Genetics, 2010 – today**
   Supervisor in CING-Dr: Philippos Patsalis
   University Affiliation: University of Cyprus

4. **Kyriakou Skevie, PhD in Medical Genetics, 2010 – today**
   Supervisor in CING-Dr: Philippos Patsalis
   University Affiliation: University of Cyprus

5. **Schiza Natasa, PhD, September 2010 – today**
   Supervisor in CING-Dr: Kleopas Kleopa
   University Affiliation: University of Cyprus, Medical Genetics

## 2009

1. **Antoniou Antonis, PhD, 2009 – today**
   Supervisor in CING-Dr: Leonidas Phylactou
   University Affiliation: University of Bristol, UK

## 2008

1. **Christou Yiolanda Panayiota, MD, Neurology Resident, May 2008 – November 2008**
   Supervisor in CING-Dr: Eleni Zamba-Papanicolaou
   University Affiliation: University of Athens (Neurology Clinic)

2. **Koutsoulidou Andrie, PhD, 2008 – today**
   Supervisor in CING-Dr: Leonidas Phylactou
   University Affiliation: University of Bristol, UK

3. **Tsaliki Evie, PhD in Human Genetics, 2008 – today**
   Supervisor in CING-Dr: Philippos Patsalis
   University Affiliation: University of Athens

## 2007

1. **Evangelidou Paola, PhD in Genetics, 2007 – today**
   Supervisor in CING-Dr: Philippos Patsalis
   University Affiliation: University of Ioannina

2. **Mastroyiannopoulos Nikolas, PhD, Completed in 2007**
   Supervisor in CING-Dr: Leonidas Phylactou
   University Affiliation: University of Bristol, UK

3. **Pafiti Kyriaki, PhD, 2007-2011**
Supervisor in CING-Dr: Leonidas Phylactou
University Affiliation: University of Cyprus

4. **Papachristoforou Rena, PhD, 2007-2011**
Supervisor in CING-Dr: Anthi Drousiotou
University Affiliation: University of Cyprus

5. **Papasavva Thessalia, PhD in "Ανάπτυξη μη-επεμβατικής προγεννητικής διαγνωστικής μεθόδου για την ανίχνευση της β-θαλασσαιμίας στον Κυπριακό πληθυσμό", 2007 – today**
Supervisor in CING-Dr: Marina Kleanthous
University Affiliation: University of Athens

## 2006

1. **Koumbaris George, PhD in Human Genetics, 2006-2011**
Supervisor in CING-Dr: Philippos Patsalis
University Affiliation: University of Ioannina

2. **Kyrri Andriani, PhD in "The Molecular Epidemiology of α and β globin variants in Cyprus", October 2006 (completed)**
Supervisor in CING-Dr: Marina Kleanthous
University Affiliation: University of London

3. **Loizidou Maria, PhD in Cancer Genetics/Genetic Epidemiology, September 2006 – November 2009**
Supervisor in CING-Dr: Kyriacos Kyriacou/Andreas Hadjisavvas
University Affiliation: Brunel University, UK

4. **Nicolaou Paschalis, PhD Human Genetics, 11 May 2006 – today**
Supervisor in CING-Dr: Kyproula Christodoulou
University Affiliation: University of Thessaly

5. **Papageorgiou Elisavet, PhD in Human Genetics, 2006-2010**
Supervisor in CING-Dr: Philippos Patsalis
University Affiliation: University of Athens

## 2005

1. **Spyrou Pandelis, PhD in "Επανεργοποίηση της έκφρασης της εμβρυϊκής αιμοσφαιρίνης με χημικές ουσίες σε *in vitro* και *in vivo* πειραματικά συστήματα, 2005 – 2011**
Supervisor in CING-Dr: Marina Kleanthous
University Affiliation: University of Athens

2. **Tryfonos Christina, PhD, 2005 – today**
Supervisor in CING-Dr: Christina Christodoulou
University Affiliation: Aristotle University of Thessaloniki

3. **Votsi Christina, PhD Human Genetics, 11 October 2005 – today**
Supervisor in CING-Dr: Kyproula Christodoulou
University Affiliation: Aristotelion University of Thessaloniki

# MSc STUDENTS

## 2011

1. **Achilleos Thekla, MSc, 2011 – today**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: University of Cyprus

2. **Christou Krystallo, MSc, September 2011 – today**
   Supervisor in CING-Dr: Leonidas Phylactou
   University Affiliation: University of Cyprus

3. **Christophidou Stephani, MSc, 2011 – today**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: University of Cyprus



## 2010

1. **Christodoulou Laura, MSc, September 2010 – today**
   Supervisor in CING-Dr: Dr Kleopas Kleopa
   University Affiliation: University of Cyprus, Medical Genetics

2. **Kimonos Panayiota, MSc in Medical Genetics, September 2010 – today**
   Supervisor in CING-Dr: Kyproula Christodoulou
   University Affiliation: University of Cyprus

3. **Minaidou Anna, MSc Medical Genetics, September 2010 – today**
   Supervisor in CING-Dr: Kyproula Christodoulou
   University Affiliation: University of Cyprus

4. **Pentaliotis Renos, MSc Medical Genetics, September 2010 – today**
   Supervisor in CING-Dr: Kyriacos Kyriacou
   University Affiliation: University of Cyprus

5. **Strati Christina Takousi, MSc Medical Genetics, September 2010 – today**
   Supervisor in CING-Dr: Kyriacos Kyriacou
   University Affiliation: University of Cyprus

6. **Sitarou Maria, MSc in Genotype/phenotype correlation studies in β-thalassaemia patients in Cyprus, 2010-2011**
   Supervisor in CING-Dr: Marina Kleanthous
   University Affiliation: London's Global University

# 2008

1. **Georgiou Demetra, MSc Genetic Counselling, 2008-2010**
   Supervisor in CING-Dr: Violetta Anastasiadou
   University Affiliation: University of Cardiff

2. **Irena Anastasiou, M.A., 2008-2009**
   Supervisor in CING- Dr: Savvas Papacostas
   University Affiliation: University of Cyprus - Thesis: Translation and Validation into Greek of the Epilepsy Foundation Concerns Index and Co-administration with Beck's Depression Scale and Anxiety Measurement Scale to Patients with Epilepsy.

# 2007

1. **Mavrikiou Gabriella, MSc in experimental molecular biology, 2007-2011 (part-time)**
   Supervisor in CING-Dr: Anthi Drousiotou
   University Affiliation: University of Cyprus

2. **Nikou Maria, M.A., 2007-2008**
   Supervisor in CING- Dr: Savvas Papacostas
   University Affiliation: University of Cyprus - Thesis: Quality of Life and Working memory in Patients with Temporal Lobe Epilepsy.

3. **Takousi Aphrodite, MSc in Biochemistry, September 2007 – June 2008**
   Supervisor in CING-Dr: Andreas Hadjisavvas
   University Affiliation: Aristotle University of Thessaloniki, Greece

4. **Themistocleous Demetra, M.A., 2007-2008**
   Supervisor in CING- Dr: Savvas Papacostas, F. Constantinidou
   University Affiliation: University of Cyprus - Thesis: Quality of Life and Working Memory in Patients with Temporal Lobe Epilepsy.

5. **Salameh Nicole, MSc in Molecular Biology, 2007-2009**
   Supervisor in CING-Dr: Philippos Patsalis
   University Affiliation: University of Cyprus

# TRAINING FOR SCIENTISTS/STUDENTS/DOCTORS

## 2011

1. **Kasapi Vaso, University of Cyprus - Undergraduate student**
   Training: Molecular genetic methodologies – Praktiki (21 June to 30 July 2011)

2. **Loizou Evangelia, MSc Cancer, University College London, UK**
   Training: Training in epidemiology research (January 2011– March 2011)
   Supervisor in CING-Dr: Kyriacos Kyriacou

3. **Pavlou Stelios, Msc in Human Molecular Genetics**
   Training: Molecular Methodologies (February-June 2011)
   Supervisor in CING-Dr: Philippos Patsalis/George Koumbaris

4. **Soteriou Christos, 4th year Medical Student, Heidelberg**
   Training: Clinic rotation (February 2011)
   Supervisor in CING-Dr: Kleopas Kleopa

5. **Vasiliou Stella, MSc Immunology, Kings College London, UK**
   Training: Training in epidemiology research (April 2011– today)
   Supervisor in CING-Dr: Kyriacos Kyriacou

6. **Vasou Andry, MSc Virology, Imperial College London, UK**
   Training: Training in epidemiology research (April 2011– today)
   Supervisor in CING-Dr: Kyriacos Kyriacou

## 2010

1. **Anaxagora Danay, Aristotle University of Thessaloniki**
   Training: Practical Training "Training on molecular biology techniques" (1 November 2010 – 20 May 2011)
   Supervisor in CING-Dr: Marina Kleanthous/Marios Phylactides

1. **Christodoulou Charis, BSc in Biology, Essex**
   Training: Supervision of a BSc project (July 2010)
   Supervisor in CING-Dr: Kleopas Kleopa

2. **Christodoulou Laura, BSc in Biology, Thessaly University**
Training: Supervision for Diplomatiki (February-May 2010)
Supervisor in CING-Dr: Kleopas Kleopa

3. **Elia Artemis, 3rd year biology, University of Cyprus**
Training: Lab rotation (June-July 2010)
Supervisor in CING-Dr: Kleopas Kleopa

4. **Epitropou Marilena, Bath, UK**
Placement: Gene therapy techniques, SNPs detection (September 2010 – June 2011)
Supervisor in CING-Dr: Marina Kleanthous, Carsten Lederer

5. **Hadjistilli Maria, BSc Biomedical Sciences, University College London, UK**
Training: Training in molecular biology and EM techniques (July 2010– August 2010)
Supervisor in CING-Dr: Kyriacos Kyriacou

6. **Harkou Ivi, BSc Biochemistry & Biotechnology, University of Thessalia, Greece**
Training: BSc project/Training in molecular biology/genetics (February 2010– August 2010)
Supervisor in CING-Dr: Andreas Hadjisavvas

7. **Kasnauskiene Jurate, MD/PhD in Clinical Genetics**
Training: Array-CGH analysis (April and September 2010)
Supervisor in CING-Dr: Philippos Patsalis/Joe Hettinger

8. **Koina Katerina, University of Glasgow**
Training: Summer Internship, "Training in Molecular Diagnostic Techniques" (1 June – 2010)
Supervisor in CING-Dr: Carsten Lederer

9. **Kokkinou Michelle, BSc Biomedical Sciences, University College London, UK**
Training: Training in molecular biology and EM techniques (July 2010– August 2010)
Supervisor in CING-Dr: Kyriacos Kyriacou

10. **Matsis Stefanos, Msci in Chemistry**
Training: Molecular Methodologies (November 2010-February 2011)
Supervisor in CING-Dr: Philippos Patsalis/George Koumbaris

11. **Neophytou Sophia, BSc Biological Applications and Technology, University of Ioannina, Greece**
Training: BSc project/Training in molecular biology and EM techniques (October 2010– June 2011)
Supervisor in CING-Dr: Kyriacos Kyriacou

12. **Ozcanhan Goksu, Ege University**
Training: Summer Internship, "Training in Molecular Diagnostic techniques" (July - Summer 2010)
Supervisor in CING: Giorgos Christopoulos

13. **Pieri Maria, BSc**
Training: Molecular Biology and Genetics (July 2010)
Supervisor in CING-Dr: Leonidas Phylactou

14. **Pirpa Panayiota, BSc Biological Applications and Technology, University of Ioannina, Greece**
Training: BSc project/Training in molecular biology and EM techniques (October 2010– June 2011)
Supervisor in CING-Dr: Kyriacos Kyriacou

15. **Sharma Mrinalni, PhD**
Training: Molecular Biology and Genetics (July 2010)
Supervisor in CING-Dr: Leonidas Phylactou

16. **Sharma Tanuj, High school student**
Training: Molecular Biology and Genetics (July-August 2010)
Supervisor in CING-Dr: Leonidas Phylactou

17. **Solomou Antonia, BSc**
Training: Molecular Biology and Genetics (July 2010)
Supervisor in CING-Dr: Leonidas Phylactou

18. **Strati Christina, BSc Biochemistry & Biotechnology, University of Thessalia, Greece**
Training: BSc project/Training in molecular biology/genetics (February 2010– June 2010)
Supervisor in CING-Dr: Kyriacos Kyriacou

19. **Tabagari Anna, University of Glasgow**
Training: Summer Internship, "Training in Molecular Diagnostic Techniques" (1 June - Summer 2010)
Supervisor in CING-Dr: Marina Kleanthous

20. **Tziakouri Andria, University of Surrey**
Training: Summer Internship, "Training in Molecular Diagnostic Techniques" (July - Summer 2010)
Supervisor in CING: Thesallia Papasavva

21. **Vouri Michaella, BSc Biochemistry, University of Manchester, UK**
Training: Training in molecular biology and EM techniques (July 2010– August 2010)
Supervisor in CING-Dr: Andreas Hadjisavvas

22. **Zachariou Myria, Aristotle University of Thessaloniki**
BSc Thesis/Diplomatiki: Molecular basis of high HbF in Cyprus (16 February – end August 2010)
Supervisor in CING: Dr Marina Kleanthous, Miranda Petrou, Xenia Felekis

# 2009

1. **Advani Alexander, BSc Genetics, Duke University, USA**
Training: Training in molecular biology/genetics techniques (June 2009– July 2009)
Supervisor in CING-Dr: Kyriacos Kyriacou

2. **Christodoulou Charis, BSc in Bology, Essex University**
Training: Supervision of a BSc project (September 2009)
Supervisor in CING-Dr: Kleopas Kleopa

3. **Christou Chrystallo, BSc Biochemistry & Biotechnology, University of Thessalia, Greece**
Training: Summer placement/Training in molecular biology techniques (July 2009– August 2009)
Supervisor in CING-Dr: Andreas Hadjisavvas

4. **Christou Sophia, BSc student at the University of Surrey, UK**
Training: Techniques used in Biochemical Genetics (9 June-31 July 2009)
Supervisor in CING-Dr: Anthi Drousiotou

5. **Ciuladaite Zivile, Msc In Genetics**
Training: Array-CGH analysis (November 2009, April 2010 and May 2011)
Supervisor in CING-Dr: Philippos Patsalis/Joe Hettinger

6. **Demosthenous Ero, Nottingham Trent University**
Training: Summer Internship, "Training in Molecular Diagnostic Techniques" (1-31 July 2009)
Supervisor in CING-Dr: Marina Kleanthous

7. **Eliades Vasilis**
Training: Molecular genetic methodologies (26 October to 1 December 2009)
Supervisor in CING-Dr: Kyproula Christodoulou

8. **Kimonos Yiota, University of Thessaly - Undergraduate student**
Training: Molecular genetic methodologies – Diplomatiki (3 March to 31 August 2009)
Supervisor in CING-Dr: Kyproula Christodoulou

9. **Menikou Stephanie, BSc**
Training: Molecular Biology and Genetics (July 2009)
Supervisor in CING-Dr: Leonidas Phylactou

10. **Ourani Sofia, Residency in Pediatrics**
Training: Internship in genetics (3 month in 2009)
Supervisor in CING-Dr: Dr Violetta Anastasiadou

11. **Santiago -Frangos Andrew, BSc in Biology**
Training: Supervision for summer Lab rotation (June-July 2009)
Supervisor in CING-Dr: Kleopas Kleopa

12. **Shakallis Loizos, MD, MSc student, Imperial**
Training: Supervision for MSc degree (May-August 2009)
Supervisor in CING-Dr: Kleopas Kleopa

13. **Stephanou Coralia, BSc Biological Sciences, Imperial College London, UK**
Training: Training in molecular biology and EM techniques (July 2009– August 2009)
Supervisor in CING-Dr: Kyriacos Kyriacou





# 2008

1. **Antoniou Antonis, BSc candidate**
Training: Molecular Biology and Genetics (June-August 2008)
Supervisor in CING-Dr: Leonidas Phylactou

2. **Apostol Pompilia, PhD Genetics**
Training: MLPA analysis (1 to 31 October 2008)
Supervisor in CING-Dr: Kyproula Christodoulou

3. **Efthymiou Theodora, High school student**
Training: Molecular Biology and Genetics (July-August 2008 and July-August 2009)
Supervisor in CING-Dr: Leonidas Phylactou

4. **Fong Danielle, High school student**
Training: Molecular Biology and Genetics (July-August 2008)
Supervisor in CING-Dr: Leonidas Phylactou

5. **Gaki Eleni, Residency in Pediatrics**
Training: Internship in genetics (3 month in 2008)
Supervisor in CING-Dr: Dr Violetta Anastasiadou

6. **Kyriakides Constantinos, BSc Biological Sciences**
Training: Molecular genetic methodologies (30 June to 25 July 2008)
Supervisor in CING-Dr: Kyproula Christodoulou

7. **Mastris Michalis, Bsc (Student)**
Training: Molecular Cytogenetic methods (March-April 2008)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina

8. **Moutiris Angelos, BSc Biological Sciences, University of Sussex, UK**
Training: Training in cancer genetics (July 2008– August 2008)
Supervisor in CING-Dr: Kyriacos Kyriacou

9. **Ozbalikci Gongagul, BSc**
Training: Molecular Biology and Genetics (June-September 2008)
Supervisor in CING-Dr: Leonidas Phylactou

10. **Pelekanou Iro, BSc Biological Sciences, University of Surrey, UK**
Training: Training in molecular biology/genetics (June 2008– July 2008)
Supervisor in CING-Dr: Andreas Hadjisavvas

11. **Pelteki Smaro, Msc in Molecular Biology**
Training: Prenatal tissue culture and chromosomal analysis (June 2008)
Supervisor in CING-Dr: Philippos Patsalis/Paola Evangelidou

12. **Philippou Zelina, BSc Chemistry, University of Cyprus**
Training: Training in molecular biology and EM techniques (June 2008– July 2008)
Supervisor in CING-Dr: Kyriacos Kyriacou

13. **Prokopiou Katerina, BSc Biological Sciences, University of Sussex, UK**
Training: Training in cancer genetics (July 2008– August 2008)
Supervisor in CING-Dr: Kyriacos Kyriacou

14. **Raoof Sana, High school student**
Training: Molecular Biology and Genetics (July-August 2008)
Supervisor in CING-Dr: Leonidas Phylactou

15. **Schiza Natasa, Post-MSc, Sussex University, before PhD-considering PhD**
Training: Lab and research training
Supervisor in CING-Dr: Kleopas Kleopa

16. **Stavarachi Monica, BSc Biological Sciences**
Training: MLPA analysis (1 to 31 October 2008)
Supervisor in CING-Dr: Kyproula Christodoulou

17. **Stavrinidou Steffie, BSc Genetics, University of Nottingham, UK**
Training: Training in molecular biology/genetics (June 2008– July 2008)
Supervisor in CING-Dr: Kyriacos Kyriacou

18. **Stavrou Anastasios, Bsc in Genetics (Student)**
Training: Cytogenetic and Molecular Cytogenetic Methods (August 2008)
Supervisor in CING-Dr: Philippos Patsalis/Paola Evangelidou

18. **Vezouviou Evangelia, BSc candidate**
Training: Molecular Biology and Genetics (May 2008)
Supervisor in CING-Dr: Leonidas Phylactou

19. Training: Supervision of six Physiatry Residents during 1-year rotation in Neurology (2008-2011)
Supervisor in CING-Dr: Kleopas Kleopa

# 2007

1. **Antoniou Eleni, MD**
Training: Neurology training for psychiatry residents
Supervisor in CING-Dr: Dr Savvas Papacostas

2. **Charalambous F., Aristotelio University, Thessaloniki, Greece**
Training: "Thrombophilia: Predisposing Genetic Factors in the Cypriot Population" (July – August 2007)
Supervisor in CING-Dr: Marios Cariolou

3. **Charalampidou Emily, Aristotle University of Thessaloniki**
BSc Thesis/Diplomatiki: Screening of Putative Thalassaemia Mutations (August 2007 – March 2008)
Supervisor in CING-Dr: Marios Phylactides

4. **Fanis Pavlos, Democritus University of Thrace**
BSc Thesis/Diplomatiki: Non-Invasive detection of Y-chromosome from cell free fetal DNA circulating in maternal plasma (March – August 2007)
Supervisor in CING: Thessalia Papasavva

5. **Galazis Nicolas, MD, University of Nottingham, UK**
Training: Training in molecular biology and EM techniques (June 2007 – July 2007)
Supervisor in CING-Dr: Kyriacos Kyriacou

6. **Ghoush Mohammed Wael Abu, King Hussein Medical Center, Amman, Jordan**
Training: Practical Training "Training in molecular biology techniques used for the molecular and prenatal diagnosis of alpha and beta-thalassaemia" (17 September – 13 November 2007)
Supervisor in CING-Dr: Marina Kleanthous

7. **Goldberg Julia, High school student**
Training: Molecular Biology and Genetics (July-August 2007)
Supervisor in CING-Dr: Leonidas Phylactou

8. **Gregoriou Maria Eleni, Bsc in Biology (Student)**
Training: Molecular Cytogenetics methods as part of her Bsc degree, University of Larissa (July-August 2007)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina

9. **Koufaris Costas, BSc Biomedical Sciences, Imperial College London, UK**
Training: Training in molecular biology and EM techniques (July 2007 – August 2007)
Supervisor in CING-Dr: Kyriacos Kyriacou

10. **Kritikos Minos, MSc, University of Bristol, PhD cand**
Training: Lab rotation (July 2007)
Supervisor in CING-Dr: Kleopas Kleopa

11. **Phaedonos Alexia, BSc student at the University of Bath, UK**
Training: Techniques used in Biochemical Genetics (2 July-7 September 2007)
Supervisor in CING-Dr: Anthi Drousiotou

12. **Qazi Zuha, High school student**
Training: Molecular Biology and Genetics (July-August 2007)
Supervisor in CING-Dr: Leonidas Phylactou

13. **Sakaloglou Prodromos, Msc in Genetics**
Training: One year training in Cytogenetics and one year training in Molecular and Molecular Cytogenetics (July 2007-April 2009)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina/Paola Evangelidou

14. **Savvaki Maria, PhD Student, Crete**
Training: Supervision for PhD thesis work (July-August 2007, March 2008, November 2008)
Supervisor in CING-Dr: Kleopas Kleopa

15. **Solomou Solomis, BSc Biomedical Sciences, Kings College London, UK**
Training: Training in molecular biology and EM techniques (July 2007 – August 2007)
Supervisor in CING-Dr: Kyriacos Kyriacou

16. **Soteriou Chrysovalando, University of Kent**
Training: Summer Internship, "Delta-thal mutations in alpha –thal carriers" (25 June – 3 August 2007)
Supervisor in CING: Xenia Feleki, Miranda Petrou

17. **Stavrinide Anna, BSc in Biology, Grenoble University**
Training: Supervision of a BSc project (July-August 2007)
Supervisor in CING-Dr: Kleopas Kleopa

18. **Tarapoulouzi Maria, BSc Chemistry, University of Cyprus**
Training: Training in molecular biology and EM techniques (June 2007 – July 2007)
Supervisor in CING-Dr: Kyriacos Kyriacou

19. **Tassouri Evangelia, Bsc in Biology (Student)**
Training: Molecular Cytogenetics Methods (June-July 2007)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina

20. **Vayianos Vassilis, BSc Biological Sciences**
Training: Molecular genetic methodologies (1 May to 20 July 2007)
Supervisor in CING-Dr: Kyproula Christodoulou

21. **Zenonos Irene, BSc Biological Applications and Technology, University of Ioannina, Greece**
Training: Summer placement/Training in molecular biology techniques (July 2007 – August 2007)
Supervisor in CING-Dr: Andreas Hadjisavvas





# 2006

1. **Agathangelou Kyriakos, BSc student at the University of Thessalia, Greece**
Training: Techniques used in Biochemical Genetics (3 July-25 August 2006)
Supervisor in CING-Dr: Anthi Drousiotou

2. **Aktuna Suleyman, BSc Biological Sciences**
Training: Molecular genetic diagnostics (1 June to 31 July 2006)
Supervisor in CING-Dr: Kyproula Christodoulou

3. **Alexandrou Angelos, BSc Molecular Biology, Montclair State University, New Jersey, USA**
Training: Training in molecular biology and EM techniques (June 2006 – August 2006)
Supervisor in CING-Dr: Andreas Hadjisavvas

4. **Argyrou Isabella, BSc Biology, University of Toronto, Canada**
Training: Training in molecular biology and EM techniques (June 2006 – August 2006)

Supervisor in CING-Dr: Andreas Hadjisavvas

5. **Burcu Mehmet, BSc student at the University of Ohio Wesleyan University, USA**
Training: Techniques used in Biochemical Genetics (29 May-7 July 2006)
Supervisor in CING-Dr: Anthi Drousiotou

6. **Charalambidou Marianna, MD**
Training: Neurology training for psychiatry residents
Supervisor in CING-Dr: Dr Savvas Papacostas

7. **Constandinou Efi, Aristotle University of Thessaloniki**
BSc Thesis/Diplomatiki: Therapy of beta-thalassaemia related cytotoxicity by RNAi of alpha-globin genes (November 2006 – May 2007)
Supervisor in CING-Dr: Carsten Lederer

8. **Constantinou George, BSc**
Training: Molecular Biology and Genetics (May-August 2006)
Supervisor in CING-Dr: Leonidas Phylactou

9. **Demosthenous Christos, MD, University of Thessalia, Greece**
Training: Training in molecular biology and EM techniques (June 2006 – July 2006)
Supervisor in CING-Dr: Kyriacos Kyriacou

10. **Efstathiou Marios, MD**
Training: Neurology training for psychiatry residents
Supervisor in CING-Dr: Dr Savvas Papacostas

11. **Efthymiou Anastasia, High school student**
Training: Molecular Biology and Genetics (July-August 2006)
Supervisor in CING-Dr: Leonidas Phylactou

12. **Fedonides Constantinos, Bsc (Student)**
Training: Training in laboratory methods and supervision of a research project as part of his BSc degree, University of Athens (June-August 2006)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina

13. **Kyprianou Nikolina, BSc candidate**
Training: Molecular Biology and Genetics (July-August 2006)
Supervisor in CING-Dr: Leonidas Phylactou

14. **Lada Zoe, PhD/MD in Clinical Genetics**
Training: One year training in Cytogenetics and in Molecular and Molecular Cytogenetics (April 2005-May 2006)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina/Paola Evangelidou

15. **Lemesiou Athena, PhD student in UK**
Training: Worked on research with vestibular evoked potentials (2 summers)
Supervisor in CING-Dr: Dr Savvas Papacostas

16. **Mintchev Nikolay, MSc Biological Sciences**
Training: Internship (1 March to 31 August 2006)
Supervisor in CING-Dr: Kyproula Christodoulou

17. **Mogen Jason, High school student**
Training: Molecular Biology and Genetics (July-August 2006)
Supervisor in CING-Dr: Leonidas Phylactou

18. **Neophytou Andreas, MSc Biological Sciences**
Training: Molecular genetic methodologies (1 September 2006 to 30 November 2007)
Supervisor in CING-Dr: Kyproula Christodoulou

19. **Ntaiou Chrysoula, Msc in Biology**
Training: One year training in Cytogenetics and in Molecular and Molecular Cytogenetics (June 2006-June 2007)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina/Paola Evangelidou

20. **Ozbalisgi Conzagul, Bsc in Molecular Genetics (Student)**
Training: Cytogenetic Methods (September 2006)
Supervisor in CING-Dr: Philippos Patsalis/Paola Evangelidou

21. **Papadopoulou Revekka, BSc (Student)**
Training: Training in laboratory methods and supervision of a research project as part of her BSc degree, University of Athens (July 2006-May 2007)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina

22. **Paschalidou Marina, MD Consultant Neurologist**
Training: Molecular genetic diagnostics (7 March to 6 May 2006)
Supervisor in CING-Dr: Kyproula Christodoulou

23. **Shah Aashish, Student (High school)**
Training: Supervision of a project for a University Scholarship in Medicine (June-August 2006)
Supervisor in CING-Dr: Philippos Patsalis/Sismani Carolina

24. **Tantelle Marianna, MD**
Training: Neurology training for psychiatry residents
Supervisor in CING-Dr: Dr Savvas Papacostas

# INVITATION OF CING SCIENTISTS AS INVITED LECTURERS

## 2011

1. "Development and Validation of Non-Invasive Prenatal Diagnosis of Trisomy 21", European Genetics Conference, European Society of Human Genetics, 28-31 May 2011, Amsterdam, Netherlands. *(Dr Philippos Patsalis)*
2. "Non-invasive PND of the haemoglobinopathies - an emerging reality", Sickle cell in focus 2011, 16-17 June 2011, London, UK. *(Dr Marina Kleanthous)*
3. "Regulation and induction of myogenesis", 9th Balkan Congress of Medical Genetics, September 15-17 2011, Timisoara, Romania. *(Dr Leonidas Phylactou)*
4. "Regulation and induction of myogenesis", Conference on basic research in biological sciences in Cyprus, Cyprus Society of Human Genetics, 30 June 2011, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*
5. "Diagnosis of Aneuploides: Epigenetic Approach – Fetal-Specific DNA Methylation Ration Permits Non-Invasive Prenatal Diagnosis of Trisomy 21", 10th Fetal Medicine World Congress, 26-30 June 2011, Malta. *(Dr Philippos Patsalis)*
6. "Non-Invasive Prenatal Diagnosis of Down Syndrome", University of Ioannina Medical School, 23 May 2011, Ioannina, Greece. *(Dr Philippos Patsalis)*
7. "Inherited peripheral neuropathies", Lebanese-Cyprus Neurogenetics Meeting, 13 May 2011, Limassol, Cyprus. *(Dr Kyproula Christodoulou)*
8. "A critical comparison of NGS Platforms: The Status Quo in NGS Technology, European School of Genetic Medicine", 1th Course in Next Generation Sequencing for Rare and Common Disorders, Hybrid Course, 14-17 April 2011, Nicosia, Cyprus. *(Dr Andreas Hadjisavvas)*
9. "Neurogenetics studies in Cyprus", University of Nicosia, Department of Life and Health Sciences, Seminar, 13 April 2011, Nicosia, Cyprus. *(Dr Kyproula Christodoulou)*
10. "Non-Invasive Prenatal Diagnosis of Down Syndrome", 7th National Conference of the Society of High School Biology Teacher ΟΕΛΜΕΚ, 9 April 2011, Limassol, Cyprus. *(Dr Philippos Patsalis)*
11. "Non-Invasive Prenatal Diagnosis of Down Syndrome", Annual Conference of UK Clinical Molecular Genetics Society and UK Association of Clinical Cytogenetics, 4-8 April 2011, Durham, UK. *(Dr Philippos Patsalis)*
12. "Familial amyloidotic neuropathy TTRVal30Met in Cyprus-the curse of the crusaders", 11th Austrian Neuroscience, 31st March-2nd April 2011. *(Dr Theodoros Kyriakides)*

13. "Latest developments in the Treatment of Epilepsy", 8th Conference of the Famagusta Medical Society 'Galenos', 19-20 March 2011, Larnaca, Cyprus. *(Dr Savvas Papacostas)*

14. "Latest Developments in Alzheimer's disease", 8th Conference of the Famagusta Medical Society 'Galenos', 19-20 March 2011, Larnaca, Cyprus. *(Dr Savvas Papacostas)*

15. "Diagnostic and therapeutic approach to myasthenia gravis", 1st National Scientific Conference for Rare Disorders, 19-20 March 2011, Nicosia, Cyprus. *(Dr Kleopas Kleopa)*

16. Scientific Meeting of European Board of Neurology, 11 March 2011, Limassol, Cyprus. *(Dr Eleni Zamba-Papanicolaou)*

17. "Genetic epidemiology of Charcot-Marie-Tooth disease: presentation of the local mutations", Scientific Meeting European Board of Neurology, 11 March 2011, Limassol, Cyprus. *(Dr Kyproula Christodoulou)*

18. "Rare YES, Alone NO", Conference for Rare Disorders, Cyprus Society of Human Genetics, 24 February 2011, Nicosia, Cyprus. *(Dr Philippos Patsalis)*

19. "Quality of Life, Years of Education, and Neuropsychological Performance in Older Greek Cypriots", 7th Panhellenic Congress on Alzheimer's Disease and Related Disorders, 16-20 February 2011, Thessaloniki, Greece. *(Dr Savvas Papacostas)*

# 2010

20. "The Epidemiology of Alzheimer's Disease in the 21st Century", The Cyprus University of Technology School of Nursing Conference on: *The Multifactorial and Multi-level Nature of Alzheimer's Disease,* 14 December 2010, Nicosia, Cyprus. *(Dr Savvas Papacostas)*

21. 2ο Πανελλήνιο Νευροφυσιολογικό Συνέδριο, 10-12 December 2010, Ioannina, Greece. *(Dr Eleni Zamba-Papanicolaou)*

22. "Non-Invasive Prenatal Diagnosis of Down Syndrome", MHTERA Hospital, 2-4 December 2010, Athens, Greece. *(Dr Philippos Patsalis)*

23. "Diagnostic approach of myopathy with electromyography", Greek Clinical Neurophysiology Society Annual Meeting, December 2010, Ioannina, Greece. *(Dr Kleopas Kleopa)*

24. "Guidelines for composing the EMG report", Greek Clinical Neurophysiology Society Annual Meeting, December 2010, Ioannina, Greece. *(Dr Kleopas Kleopa)*

25. "Hyperandrogenism in heterozygous Congenital Adrenal Hyperplasia females with 21-hydroxylase deficiency", 2nd International Conference of the Cyprus Society of Human Genetecs, 26-27 November 2010, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

26. "Current and Future Perspectives in the Treatment of Multiple Sclerosis", Supreme Council of Health of Qatar, 1 July 2010, Doha, Qatar. *(Dr Kleopas Kleopa)*

27. "Multiple Sclerosis Day 2010: Looking for biomarkers for pharmacoresistance in Multiple Sclerosis", The Cyprus Institute of Neurology and Genetics, 25 May 2010, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

28. "Biomedical Applications of RNA", 23rd Course in Medical Genetics, European School of Genetic Medicine 2010, 23-30 May 2010, Bologna, Italy. *(Dr Leonidas Phylactou)*

29. "Application of High-throughput sequencing", 23rd Course in Medical Genetics, Hybrid Course, 23-28 May 2010, Nicosia, Cyprus. *(Dr Andreas Hadjisavvas)*

30. "Dementia: Types, Pathophysiology, Investigation and Treatment", 1st Geriatric Conference of the Cyprus Association of General Physicians, 8 May 2010, Nicosia, Cyprus. *(Dr Savvas Papacostas)*

31. "Genetic risk prediction for breast cancer. Are we there yet?", Mediterranean Center for Cancer Research, University of Nicosia, 6 May 2010, Nicosia, Cyprus. *(Dr Maria Loizidou)*

*32.* 2ο Παγκύπριο Συνέδριο Φυσιοθεραπευτών, 17-18 April 2010, Larnaca, Cyprus. *(Dr Eleni Zamba-Papanicolaou)*

33. "Molecular genetic characterization of neurogenetic diseases in Cyprus", 6th meeting of the Biologists association of OELMEK, 20 March 2010, Nicosia, Cyprus. *(Dr Kyproula Christodoulou)*

34. "Applied Research and benefits for the development of Cyprus. Research as a tool for economic and social development in Cyprus", Ministry of Education and Culture, 5 March 2010, University of Cyprus, Nicosia, Cyprus. *(Dr Philippos Patsalis)*

35. "Neurological Causes of Fainting", Larnaca Medical Association Conference on "Neurology in Primary Care", 27 February 2010, Larnaca, Cyprus. *(Dr Savvas Papacostas)*

36. "Molecular mechanisms of gap junction disorders in myelinating cells", University of Cyprus, Department of Biology (Seminar), 2010, Nicosia, Cyprus. *(Dr Kleopas Kleopa)*

37. "Myasthenia gravis: Diagnosis and Treatment", Cyprus Neurological Society Annual Meeting, 2010. *(Dr Kleopas Kleopa)*

38. "Inherited Neuropathies" and Round Table discussion on myelin disorders, Hellenic Medical Student's Conference, 2010, Heraklion, Crete. *(Dr Kleopas Kleopa)*

39. "New therapeutic approaches for haemoglobinopathies", 2nd International Conference of the Cyprus Society of Human Genetics, 26-27 November 2010, Nicosia, Cyprus. *(Dr Marina Kleanthous)*

40. "New Molecular diagnostic approaches for non-invasive prenatal diagnosis using cell free fetal DNA", International Society of Laboratory Haematology, 2010 Congress, 10-12 May 2010, Brighton, UK. *(Dr Marina Kleanthous)*

41. "TheThalassaemia Prevention Programs", Scientific Days of the Department of Biochemistry & Microbiology, Damascus University, 10-12 March 2010, Damascus, Syria. *(Dr Marina Kleanthous)*

42. "New Approaches in Prenatal Diagnosis", Scientific Days of the Department of Biochemistry & Microbiology, Damascus University, 10-12 March 2010, Damascus, Syria. *(Dr Marina Kleanthous)*

43. "Drug Therapy Approaches to the Thalassaemias", Scientific Days of the Department of Biochemistry & Microbiology, Damascus University, 10-12 March 2010, Damascus, Syria. *(Dr Carsten Lederer)*

44. "Ethylmalonic encephalopathy", Paediatrics Department, Makarios Hospital, 28 January 2010, Nicosia, Cyprus. *(Dr Anthi Drousiotou)*

# 2009

45. 8$^{o}$ Παγκύπριο Συνέδριο του Ιατρικού Συλλόγου Πάφου "Ασκληπιός", 6 December 2009, Paphos, Cyprus. *(Dr Eleni Zamba-Papanicolaou)*

46. "Molecular genetic advances in the spinocerebellar ataxias", International Symposium on recent advances on Neuromuscular disorders in honor of Professor S. DiMauro, 13-14 November 2009, Athens, Greece. *(Dr Kyproula Christodoulou)*

47. "Familial amyloidotic neuropathy TTRVal30Met in Cyprus-the curse of the crusaders", International Symposium on recent advances on Neuromuscular disorders in honour of Professor DiMauro, 13-14 November 2009, Athens, Greece. *(Dr Theodoros Kyriakides)*

48. "Idiopathic Generalized Epilepsies with Myoclonic Seizures in the Phenotype", 5$^{th}$ Panhellenic Epilepsy Congress, 6-8 November 2009, Chania, Crete, Greece. *(Dr Savvas Papacostas)*

49. "Proteomics of breast cancer", 17$^{th}$ Postgraduate Congress in Clinical Oncology, 4-8 November 2009, Crete, Greece. *(Dr Kyriacos Kyriacou)*

50. "The role of diagnostic electron microscopy in the era of genetic medicine", University of Bucharest, November 2009, Romania. *(Dr Kyriacos Kyriacou)*

51. "Αναδυόμενες εξελίξεις στη θεραπευτική του καρκίνου", Breast cancer genetics: the experience in Cyprus, Limassol Medical Association Symposium, 13 October 2009. *(Dr Kyriacos Kyriacou)*

52. "The contribution of electron microscopy in the diagnosis of glomerulopathies with fibrilary deposits", 3$^{rd}$ Hellenic-Jordanian Congress of Pathology, October 2009, Limassol, Cyprus. *(Dr Kyriacos Kyriacou)*

53. "Main applications of electron microscopy in muscle pathology", 22$^{nd}$ European Congress of Pathology, 4-9 September 2009, Florence, Italy. *(Dr Kyriacos Kyriacou)*

54. "BRCA genetics and significance of unclassified variants", Department of Biochemistry, University of Cambridge, September 2009, Cambridge UK. *(Dr Kyriacos Kyriacou)*

55. Workshop on Guidelines on Best Practice Guidelines for Molecular Analysis in Congenital Adrenal Hyperplasia, Antwerp, 23 June 2009, Represented Cyprus. *(Dr Vassos Neocleous)*

56. "Cytogenetic Analysis", "From chromosomes to microarrays", "Prenatal and postnatal molecular karyotype analysis", "Conventional Karyotyping A", "Conventional Karyotyping B", ESHG/LSHG courses for laboratory medical geneticists: Translating genomics into the clinics, 29 May – 1 June 2009, Vilnius University, Lithuania. *(Dr Philippos Patsalis)*

57. "Cancer genetics; the experience in Cyprus", 10$^{th}$ International Symposium on Mutations in the Genome, Mutation Detection MMIX, 28 May – 1 June 2009, Paphos, Cyprus. *(Dr Andreas Hadjisavvas)*

58. "The impact of research on cancer, when performed within a strategic plan", 10$^{th}$ Marianna Lordos Seminar, 13 March 2009, The Cyprus Institute of Neurology and Genetics, Nicosia, Cyprus. *(Dr Kyriacos Kyriacou)*

59. "The role of the Multidisciplinary Team in the Management of Alzheimer's Disease – Round Table", 6th Panhellenic Join Conference on Alzheimer's Disease and Related Disorders, 20-23 February 2009, Thessaloniki, Greece. *(Dr Savvas Papacostas)*

60. "Twenty years of Neurogenetics in Cyprus", Graduate Program Seminar Series, Department of Biological Sciences, University of Cyprus, 20 February 2009, Nicosia, Cyprus. *(Dr Kyproula Christodoulou)*

61. "Advanced Laboratory Methodologies for the Detection of Unknown Chromosomal Syndromes", 5th Paediatric Workshop, Paediatric Clinic Nikaia General Hospital, 7 February 2009, Athens, Greece. *(Dr Philippos Patsalis)*

62. Kleanthous M. Cyprus Screening Program. European Hemoglobinopathy Forum - New reality, updated models for better management of Hemoglobinopathy Screening. Paris, France, 13 November 2009. *(Dr Marina Kleanthous)*

63. "Thalassemic Syndromes", Science and Health in the Mediterranean Countries: genes, pathogens and the environment, 12-14 October 2009, Rome, Italy. *(Dr Marina Kleanthous)*

64. "Rare diseases in Cyprus", MIRA Health Workshop, 4-5 June, Malta. *(Dr Marina Kleanthous)*

65. "Προγεννητικός έλεγχος για θαλασσαιμία", Larnaca Antianaemia Association, 3 June 2009, Larnaca, Nicosia. *(Dr Marina Kleanthous)*

66. "Non-Invasive Prenatal Diagnosis for Haemoglobinopathies." SAFE meeting on Non-invasive prenatal diagnosis: How far has SAFE got us? 10 February 2009, Brussels, Belgium. *(Dr Marina Kleanthous)*

# 2008

67. "Differential Diagnosis of Dementia", 7th Pancyprian Congress of the "Asklepios" Medical Society of Paphos, 13-14 December 2008, Paphos, Cyprus. *(Dr Savvas Papacostas)*

68. "Restless Legs Syndrome", 7th Pancyprian Congress of the "Asklepios" Medical Society of Paphos, 13-14 December 2008, Paphos, Cyprus. *(Dr Savvas Papacostas)*

69. 1ο Πανελλήνιο Συνέδριο Νευροφυσιολογίας, 12-14 December 2008, Thessaloniki, Greece. *(Dr Eleni Zamba-Papanicolaou)*

70. "Association studies for discovering new breast cancer genes / the MASTOS study", University of Nicosia, Department of Life and Health Sciences, 12 December 2008, Nicosia, Cyprus. *(Dr Maria Loizidou)*

71. "Evaluation of Nerve damage in the shoulder region", Greek Clinical Neurophysiology Society Annual Meeting, December 2008, Thessaloniki, Greece. *(Dr Kleopas Kleopa)*

72. "X chromosome-specific microarrays for targeted locus copy number assessment", The Golden Helix Symposia: Copy number variation and genomic alterations in health and disease, 28-29 November 2008, Athens, Greece. *(Dr Philippos Patsalis)*

73. "Memory Dysfunction and Quality of Life in Patients with Chronic Epilepsy", Delivered in Memeory of Dr. Goula Styliadidou, at the 4th Panhellenic Epilepsy Congress 14-16 November 2008, Alexandroupolis, Greece. *(Dr Savvas Papacostas)*

74. "DNA repair genetic polymorphisms and the risk of breast cancer in Cyprus", 16th Postgraduate Congress in Clinical Oncology, Crete, Greece, 12-15 November 2008. *(Dr Maria Loizidou)*

75. "Genetics of inherited breast cancer; the experience in Cyprus", New Light Cancer Seminar 2008, Limassol, Cyprus, 31 October – 2 November 2008. *(Dr Kyriacos Kyriacou)*

76. "Novel genetic approaches to induce myogenesis", 1st International Conference of the Cyprus Society of Human Genetics, 3-4 October 2008, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

77. Cyprus Ministry of Health Post-Graduate Training Conference on Alzheimer's disease. A) Pathogenesis and Diagnosis, B) Epidemiology, 2nd October 2008, Nicosia, Cyprus. *(Dr Savvas Papacostas)*

78. "Array-CGH: A new era in Cytogenetics", European Cytogenetics Association & Hellenic Association of Medical Genetics, Demokritos Institute, 19 September 2008, Athens, Greece. *(Dr Philippos Patsalis)*

79. "CJD in Cyprus", European and Associated Countries Collaborative CJD Surveillance Group Meeting, 29-31 May 2008, Riga, Latvia. *(Dr Savvas Papacostas)*

80. "CNS demyelination in CMT1X patients and in gap junction mutant mice", Gordon Research Conference on Myelin: Il Ciocco, Italy, May 2008. *(Dr Kleopas Kleopa)*

81. "The use of genetics in the study and regeneration of muscles", 4th Annual Conference of the Cyprus Federation of Biologist, 19 April 2008, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

82. "Breast cancer and heredity", Biological Society of Cyprus, April 2008. *(Dr Kyriacos Kyriacou)*

83. "Epilepsy. Etiology, Diagnosis and Therapy", *Hippocrates* Medical Association of Nicosia-Kyrenia continuing education series, 31st January 2008, Nicosia, Cyprus. *(Dr Savvas Papacostas)*

84. "Gap junction disorders in myelinating cells: New insights from animal models", Drexel University College of Medicine, Philadelphia, PA, Department of Neurology Grand Rounds, 2008. *(Dr Kleopas Kleopa)*

## 2007

85. "Presurgical Evaluation of Adults with Intractable Epilepsy", Meeting of the Greek Society of Electroencephalography & Clinical Neurophysiology on Developments in Clinical Neurophysiology, 8-9 December 2007, Nicosia, Cyprus. *(Dr Savvas Papacostas)*

86. "Νεότερες εξελίξεις και εφαρμογές στην Κλινική Νευροφυσιολογία", The Cyprus Institute of Neurology and Genetics, 8-9 December 2007, Nicosia, Cyprus. *(Dr Eleni Zamba-Papanicolaou)*

87. "Clinical correlates of needle Electromyography", Greek Clinical Neurophysiology Society Annual Meeting, December 2007, Nicosia, Cyprus. *(Dr Kleopas Kleopa)*

88. "Epilepsy and Dementia", 3rd Panhellenic Epilepsy Congress, 9-11 November 2007, Athens, Greece. *(Dr Savvas Papacostas)*

89. "Molecular biology and genetics of familial breast cancer", International Forum for the study of Familial and Early Breast Cancer, 18-21 October 2007, Nicosia, Cyprus. *(Dr Kyriacos Kyriacou)*

90. "Spectrum of BRCA mutations in Cypriot families", International Forum for the study of Familial and Early Breast Cancer, 18-21 October 2007, Nicosia, Cyprus. *(Dr Andreas Hadjisavvas)*

91. "Association studies for discovering new breast cancer genes: do they exist?", International Forum for the study of Familial and Early Breast Cancer, 18-21 October 2007, Nicosia, Cyprus. *(Dr Maria Loizidou)*

92. "Latest advancements in proteomics and genomics of mammary lesions", Molecular Targets for Cancer Diagnosis, Prevention and Treatment, 7-10 October 2007, Limassol, Cyprus. *(Dr Kyriacos Kyriacou)*

93. "Classification of epileptic seizures according to the proposed scheme of 2001", Meeting od the Panhellenic & Cyprus epilepsy societies, 22nd September 2007, Limassol, Cyprus. *(Dr Savvas Papacostas)*

94. "Ethical Issues in Research", Intercollege, Research week, 17-21 September 2007, Nicosia, Cyprus. *(Dr Andreas Hadjisavvas)*

95. "Future Treatments for Alzheimer's Disease", Pancyprian Association for the Care of People with Alzheimer's Disease, 21st September 2007, Nicosia, Cyprus. *(Dr Savvas Papacostas)*

96. "Diagnosis of hereditary cancer. Genetic Tests Ethical dilemmas – issues", 7th Convention of Biomedical Ethics, 2-3 June 2007, Limassol, Cyprus. *(Dr Kyriacos Kyriacou)*

97. "Molecular analysis of genetic diseases", 7th Convention of Biomedical Ethics, Genetic Tests: Ethical dilemmas-issues, Union of Orthodox Scientists of Limassol, 2-3 June 2007, Limassol, Cyprus. *(Dr Kyproula Christodoulou)*

98. "Biomedical Applications of RNA", European School of Human Genetics 2007, Workshop, 8 May 2007. *(Dr Leonidas Phylactou)*

99. "Familial cancer syndromes", European School of Genetic Medicine, 20th Course in Medical Genetics, Hybrid Course, 5-11 May 2007, Nicosia, Cyprus. *(Dr Andreas Hadjisavvas)*

100. "Linkage analysis", 20th Course in Medical Genetics, European School of Genetic Medicine, at remote training center: The Cyprus Institute of Neurology and Genetics, 5-11 May 2007, Nicosia, Cyprus. *(Dr Kyproula Christodoulou)*

101. "Hereditary breast cancer: genetics and pathology", 1st Conference in New Perspectives in Cancer Pathology, May 2007, Bucharest, Romania. *(Dr Kyriacos Kyriacou)*

102. "Databases on the web / An introduction", European School of Genetic Medicine, 7th Course in Bioinformatics for Molecular Biologists, Hybrid Course, 19-22 March 2007, Nicosia, Cyprus. *(Dr Maria Loizidou)*

103. "Mechanisms of peripheral and central demyelination in X-linked Charcot-Marie-Tooth Disease", The Cyprus Institute of Neurology and Genetics, Academic lectures, Nicosia, Cyprus, 2007. *(Dr Kleopas Kleopa)*

*104.* "Limbic encephalitis: autoimmune mechanisms and clinical phenotypes", 14th Tel Aviv University Alzheimer Conference, 2007. *(Dr Kleopas Kleopa)*

# 2006

105. "Sudden Unexpected Death in Epilepsy", 2nd Panhellenic Epilepsy Congress, 10-12 November 2006, Thessaloniki, Greece. *(Dr Savvas Papacostas)*

106. "Induction of Myogenesis by regulating cell differentiation", The University of Cyprus, Lecture November 2006, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

107. "The contribution of electron microscopy in the diagnosis of glomerulopathies with fibrillary deposits", 2nd Intercongress Meeting, May 2006, Ioannina, Greece. *(Dr Kyriacos Kyriacou)*

108. "Genetic epidemiology of breast cancer; the experience in Cyprus", BIOSTAT 2006, May 2006, Limassol, Cyprus. *(Dr Kyriacos Kyriacou)*

109. "Advance Genetic Methodologies for the Detection of Unknown or Rare Chromosomal Syndromes", Ippokration University Hospital, University of Salonica, 3 April 2006, Thessaloniki, Greece. *(Dr Philippos Patsalis)*

110. "A novel approach to repai the defective muslce cell differentiation myotonic dystrophy", Future Treatments for Muscular Dusytophies International Symposium, The Cyprus Institute of Neurology and Genetics, April 2006, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

111. 1st Meeting of Centers-Network for Research in Neurology (CeNeReN), The Cyprus Institute of Neurology and Genetics, January 2006, Nicosia, Cyprus. *(Dr Leonidas Phylactou)*

112. "Neurological disorders of hyperexcitability: the role of potassium channels", University of Crete Medical School, Institute of Molecular Biology and Biotechnology, 2006. *(Dr Kleopas Kleopa)*

113. "Autoimmunity to Potassium Channels and the Clinical Spectrum of Hyperexcitability", Drexel University College of Medicine, Philadelphia, PA, Department of Neurology Grand Rounds, 2006. *(Dr Kleopas Kleopa)*

114. "Prenatal Diagnosis, New Approaches", 7th International Conference for Thalassaemia, 8-9 May 2006, Cairo, Egypt. *(Dr Marina Kleanthous)*

# LECTURES HELD AT CING

## 2011

| Day, Date, Time | Lecturer/Institution | Host |
|---|---|---|
| Thurs, 28/4/2011<br>Cocaine and opioid addiction and the endogenous opioid system: "A mouse genetics approach to study the neurobiology of drug addiction" | Dr Alexis Bailey | Dr Kyproulla Christodoulou |

## 2010

| Day, Date, Time | Lecturer/Institution | Host |
|---|---|---|
| Thurs, 6/5/2010<br>Computational intelligence systems | Professor Christos N. Schizas, University of Cyprus | Dr Philippos C. Patsalis |
| Tues, 25/5/2010<br>Νέες Προοπτικές για την Πολλαπλή Σκλήρυνση μέσα από τα ερευνητικά προγράμματα του Ινστιτούτου Νευρολογίας & Γενετικής Κύπρου | Dr Kleopas Kleopa<br>Dr Marios Pantzaris<br>Dr Theodoros Kyriakides<br>Dr Kyriaki Markoulli<br>Dr Eirini Sargianidou<br>Dr Christina Christodoulou<br>Dr Leonidas Phylactou | Dr Marina Kleanthous (seminar) |
| Thurs, 24/6/2010<br>Genetic risk prediction for breast cancer – are we there yet? | Dr Maria A. Loizidou, CING | Dr Kyriacos Kyriacou<br>` |
| Thurs, 23/9/2010<br>Μοριακή ανάλυση εντεροϊών που ευθύνονται για περιστατικά ιογενούς μηνιγγίτιδος και άλλων εντεροϊογενών λοιμώξεων στην Κύπρο | Christina Tryfonos | Dr Christina Christodoulou |
| Thurs, 7/10/2010<br>Nutrition, Metabolism and Cancer | Prof Elio Riboli | Prof Lefkos Middleton |

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| Aetiology | | |
| Thurs, 16/12/2010<br>The Autophagic tumor Stroma Model of Cancer: the role of caveolin-1 in tumor | Prof Stephanos Pavlides | Dr Kyriacos Kyriacou |

# 2009

| Day, Date, Time | Lecturer/Institution | Host |
|---|---|---|
| Wed, 4/2/09<br>Manipulating the cell cycle machinery in non-proliferating cells for regenerative medicine | Dr Marco Crescenzi<br>Dept. of Cell Biology and Neurosciences, National Institute of Health, Roma, Italy | Dr Leonidas Phylactou |
| 20-22/3/09<br>9th Congress of The Mediterranean Society of Myology | | Conference |
| Fri, 10/4/09<br>Molecular karyotyping: From postnatal to preimplantation genetic diagnosis | Dr Joris Vermeesch<br>Center for Human Genetics, Leuven, Belgium | Dr Philippos Patsalis |
| Thur, 9/4/09<br>Recent advances in the cause and treatment of Parkinson's Diseae | Prof Anthony Schapira | Memorial of Dr A. Mikellides |
| Wed, 22/4/09<br>Transcranial Magnetic Stimulation in neuropsychiatric disease: theory and practical applications | Dr Alexander Rotenberg<br>Assistant Professor in Neurology<br>Children's Hospital Boston, Harvard Medical School | Dr Stavros Hadjiloizou |
| Wed, 29/4/09<br>Non-invasive evaluation of the vestibular (balance) system of the human body : The Road to a new diagnostic examination | Dr Lefteris Papathanasiou | Dr Savvas Papacostas |
| Mon, 4/5/09<br>Award for Distinguished Scientist, Prof. Frank Grosveld, International Thalassaemia Day | Sir David J. Weatherall<br>Dr George P. Patrinos<br>Mr Leonidas Antoniou<br>Prof Frank G. Grosveld | Dr Marina Kleanthous<br>(Seminar) |

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|---|---|---|
| Wed, 6/5/09<br>Molecular pathology of Familial Amyloidotic Neuropathy Type I | Dr Maria Joao Saraiva<br>Prof of Biochemistry<br>Molecular Neurobiology Group, Inst Biol Mol & Celular | Dr Theodoros Kyriakides |
| Wed, 10/6/09<br>Computational Bioscience | Professor Antonis Kakas, Dept. Of Computer Science, Vice-Rector of Intern. Relations, Finance and Administration, University of Cyprus | Dr Kyriacos Kyriacou |
| Thurs, 12/11/09<br>Development of a novel non-invasive prenatal diagnostic test for down Syndrome | Dr Elisavet A. Papageorgiou, CING | Dr Philippos Patsalis |
| Thurs, 3/12/09<br>Computational intelligence for inferring cell biological network models from functional genomics and proteomics data | Professor Anastasios Bezerianos, Biosignal Processing Lab, Dept. of Medical Physics, School of Medicine, University of Patras | Prof Constantinos Pattichis |

# 2008

| Day, Date, Time | Lecturer/Institution | Host |
|---|---|---|
| Wed, 6/2/08<br>Molecular genetic studies of Cypriot Patients and families with Spinocerebellar ataxias | Dr. Kyproula Christodoulou<br>The Cyprus Institute of Neurology and Genetics | Dr Philippos Patsalis |
| Wed, 13/2/08<br>Genomic disorders:mechanisms and clinical implementation of high resolution genome analysis | Prof James R Lupski<br>Dept. Of Molecular and Human Genetics, Baylor College and Medicine, USA | Dr Philippos Patsalis |
| Wed, 2/4/08<br>Diagnosis of ciliary disorders; The impact of electron microscopy | Aristodemou Sofia<br>EM/Molecular Pathology Department, The Cyprus Institute of Neurology and Genetics | Dr Kyriacos Kyriacou |
| Wed, 9/4/08<br>Gluten sensitivity: from gut to brain | Dr. Marios Hadjivassiliou<br>Royal Hallamshire Hospital, Sheffield, UK | Dr Kleopas Kleopa |

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| Wed, 23/4/08<br>Development of Non Invasive Prenatal Diagnosis for Down Syndrome | Eliza Papageorgiou<br>The Cyprus Institute of Neurology and Genetics | Dr Philippos Patsalis |
| Wed, 30/4/08<br>Starving to death. From stigma to genes: evolution and perspectives of Eating Disorders research | Dr Federica Tozzi<br>GlaxoSmithKline R&D, Verona, Italy | Dr Kyproula Christodoulou |
| Mon, 26/5/08<br>Deciphering developmental disorders | Dr Nigel P. Carter<br>Head of the Molecular Cytogenetics Group, The Welcome Trust Sanger Institute, Cambridge, UK | Dr Philippos Patsalis |
| Wed, 16/7/08<br>High-throughput RNAi Phenotype Analysis for Cancer Drug Target; Identification and Validation by QPCR | Molecular Genetics Laboratory,<br>Pharmaceutical Genomics Division (PGD),<br>Translational Genomics Research Institute (Tgen)<br>Scottsdale, Arizona, USA | Dr Marios Cariolou |
| Thur, 2/10/08<br>Caveolin-1 Signaling, Cancer, and Stem Cell Biology | Dr Michael Lisanti, Director<br>Center for Stem Cell Biology and Regenerative Medicine, Thomas Jefferson University, Philadelphia, USA | Dr Philippos Patsalis |
| Wed, 5/11/08<br>A novel Approach for the study of defective myogenesis of Myotonic Dystrophy | Nicolas Mastroyiannopoulos, PhD<br>The Cyprus Institute of Neurology and Genetics | Dr Leonidas Phylactou |
| Wed, 26/11/08<br>High-performance computing for the life sciences | Dr C. Victor Jongeneel<br>The Cyprus Institute | Dr Marina Kleanthous |
| Sat, 6/12/08<br>International Conference, Myasthenia: Diagnosis and Treatment | Prof Amelia Evoli<br>Catholic University of Rome, Italy<br><br>Dr Eleni Zamba Papanicolaou<br>The Cyprus Institute of Neurology and Genetics | Conference |

Prof Socrates Tzartos
Hellenic Pasteur Institute
Athens, Greece

Dr Kleopas Kleopa
The Cyprus Institute of
Neurology and Genetics

# 2007

| Day, Date, Time | Lecturer/Institution | Host | Remarks |
|---|---|---|---|
| Wed, 31/1/07<br>Identifying inherited deafness in Cyprus | Dr. Vassos Neocleous *CING* | Dr. Phylactou | |
| Wed, 21/2/07<br>Whole-genome expression profiling: pathways and genes de-regulated in sporadic ALS | Dr. Carsten Lederer *CING* | Dr. Kleanthous | |
| Wed, 14/2/07<br>Participation in the FP7: Health and biomedicine | Dr. Stavros Malas *CING* | Dr. Kleopa | |
| Wed, 9/5/07<br>Array-CGH investigation of X-chromosome abnormalities | G. Koumbaris *CING* | Dr. Patsalis | |
| Wed, 16/5/07 14:00hrs<br>Expanding Molecular cytogenetics | Dr. Carolina Sismani *CING* | Dr. Patsalis | *Panos Ioannou Young Scientist Award* |
| Wed, 23/5/07<br>Chromosomes in Disarray | Dr. Heike Fiegler *Sanger Institute, UK* | Dr. Patsalis | CING to cover |
| Wed, 30/5/07<br>Molecular mechanisms in neurodegeneration: Strategies to inhibit the inhibitor of plasticity and repair | Dr. Steven Petratos *Monash University in Melbourne* | Dr. Kyriakides | CING to cover part of the expenses |
| Wed, 27/6/2007<br>Novel tools and novel applications for molecular karyotyping | Prof. Joris Vermeesch *Center for Human Genetics, U.Z. Gasthuisberg, Belgium* | Dr. Patsalis | Visitor will cover own expenses |
| Wed, 11/7/07<br>Studying the function of the retina using flash electroretinography | Dr. Lefteris Papathanasiou *CING* | Dr. Papacostas | |

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| Wed, 5/9/07<br>Presurgical evaluation of epilepsy patients<br>Awake brain surgery for tumours and | Professor James Burchfiel<br>*and*<br>Prof. Webster Pilcher<br>University of Rochester, USA | Dr. Savvas Papacostas |
| Tues, 25/9/07<br>Surface EMG | Prof. Damjan Zazula<br>University of Maribor, Slovenia | Dr. Philippos Pattichis |
| Wed 26/9/07<br>BRCA, PARP inhibitors and drug resistance | Dr. Chris Lord<br>Breakthrough Breast Cancer Research Center, UK | Dr. Kyriacos Kyriacou |
| Wed, 3/10/07<br>Genetic testing in the cancer clinic- past , present and future | James Mackay, MD<br>Institute of Human Genetics and Health<br>University College London | Dr. Kyriacos Kyriacou |
| Wed, 11/10/07<br>Proteomics strategies for the identification of disease markers with emphasis on cancer | Chris Sutton<br>Institute of Cancer Therapeutics, University of Bradford | Dr. Kyriacos Kyriacou |
| Wed, 7/11/07<br>Mechanisms of peripheral and central demyelination in CMTX | Kleopas Kleopa<br>Senior Neurologist,<br>The Cyprus Institute of Neurology and Genetics | Dr. Philippos Patsalis |
| Wed, 28/11/07<br>Role of glutamate in the nervous and immune systems. Recent evidence in neurological diseases by patch clamp techniques | Prof. Davaki<br>University of Athens | Dr. Eleni Papanicolaou |
| Wed, 5/12/07<br>Sporadic Amyotrophic Lateral sclerosis: Piecing the puzzle together | Dr. Niovi Santama<br>University of Cyprus | Dr Philippos Patsalis |
| Wed, 12/12/07<br>A novel cellular model for the study of Myotonic Dystrophy | Nicolas Mastroyiannopoulos<br>CING | Dr Leonidas Phylactou |

# 2006

| Date/Title | Speaker/Department | Host | Day/Time |
|---|---|---|---|
| 25/01/2006<br>CyGrid: Current Status and Future Plans of the Cyprus Grid Initiative | Dr. Marios D. Dikaiakos,<br>*Associate Professor*<br>*Computer Science Dept.,*<br>*University of Cyprus* | M. Kleanthous | Wednesday at 3.00 |
| 13/02/2006<br>Genetic epidemiology of breast cancer | Prof. Susan L. Neuhausen,<br>*Div. Epidemiology,*<br>*Dept. Medicine,*<br>*Associate Director*<br>*Genetic Epidemiology*<br>*Research Institute,*<br>*University of California Irvine* | K. Kyriacou | Monday at 3.00 |
| 08/03/2006<br>Gene Expression in Atherosclerotic Plaques Categorised by their Echodensity | Dr. Evy Bashiardes<br>*Molecular Genetics Dept B*<br>*CING* | M. Cariolou | Wednesday at 3.00 |
| 29/03/2006<br>The role and services of Clinical Genetics in Cyprus | Violetta Chr. Anastasiadou<br>*Pediatrician, Clinical Geneticist,*<br>*Clinical Genetics Dept.* | | Wednesday at 3.00 |
| 26/04/2006<br>Hybrid Course in Medical Genetics | | | |
| 10/05/2006<br>Optimising the delivery of small hairpin RNA's to study gene function in neurons: Using vectors to model/investigate human polyglutamine diseases | James Uney | L. Phylactou | Wednesday at 3.00 |
| 5/07/2006<br>Mitochondrial Encephalopathies: Something for everyone | Prof. John Christodoulou<br>*Director, Western Sydney Genetics Program, Children's Hospital at Westmean, Sydney, Australia, President, Human Genetics Society of Australasia* | A. Drousiotou | Wednesday at 3.00 |

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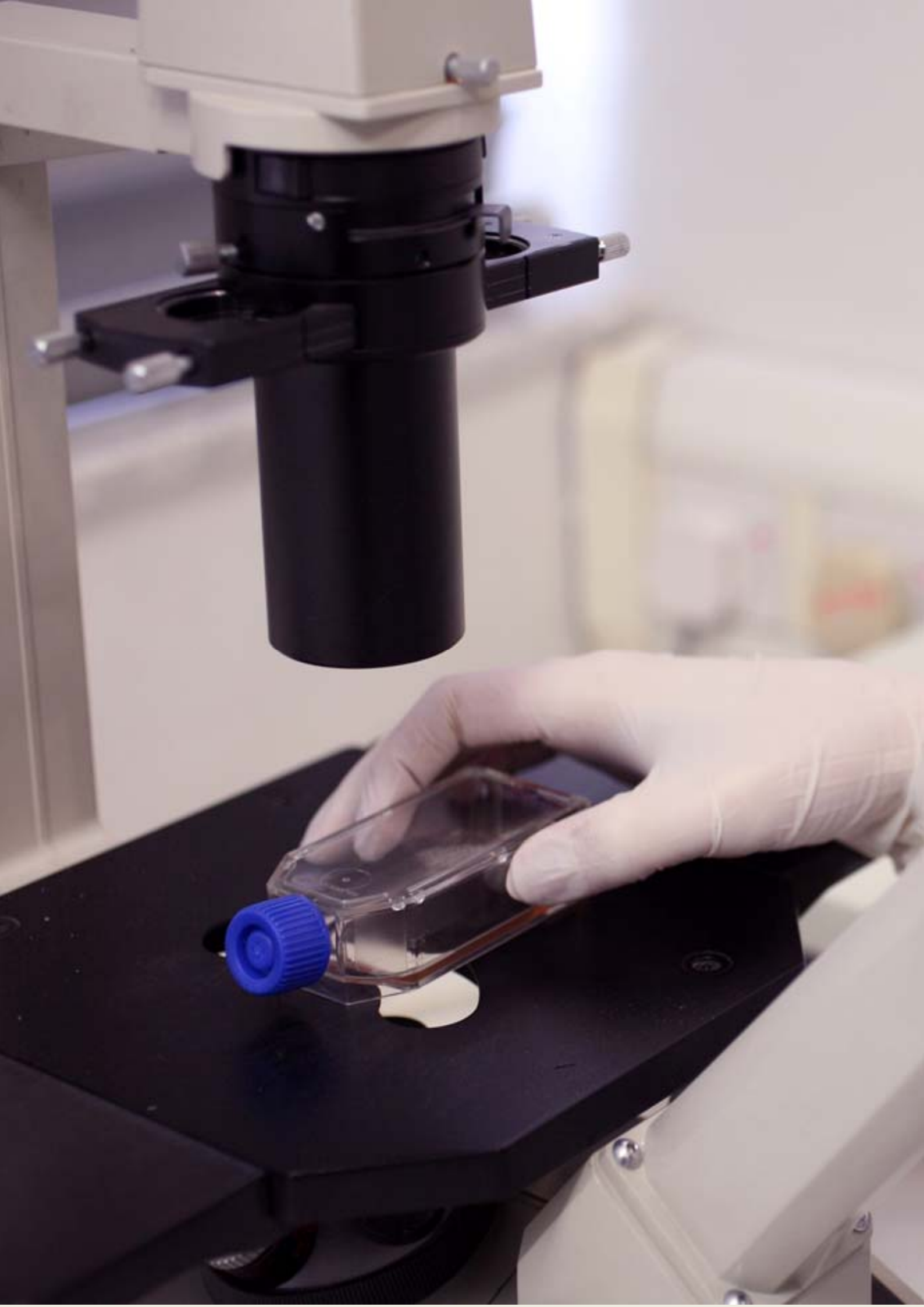

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