

# 9<sup>th</sup> European Congress on Epileptology

Rhodes, Greece

June 27<sup>th</sup> - July 1<sup>st</sup> 2010



*ISLAND OF RHODES - GREECE*

[www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org)

**ILAE-CEA**  
COMMISSION ON EUROPEAN AFFAIRS

9<sup>th</sup> European  
Congress  
on Epileptology  
in 2010  
June 27<sup>th</sup> - July 1<sup>st</sup> 2010, Rhodes

## INTERNATIONAL ORGANISING COMMITTEE

### CO-CHAIRS:

**MICHEL BAULAC** (FRANCE)

**GEORGE KOSTOPOULOS** (GREECE)

### MEMBERS:

**GIULIANO AVANZINI** (ITALY)

**MARTIN BRODIE** (UK)

**THANOS COVANIS** (GREECE)

**ALLA GUEKHT** (RUSSIA)

**SVEIN JOHANNESSEN** (NORWAY)

**NEBOJSA JOVIC** (SERBIA)

**RUEDIGER KOEHLING** (GERMANY)

**MIRI NEUFELD** (ISRAEL)

**CIGDEM OZKARA** (TURKEY)

## SCIENTIFIC ADVISORY COMMITTEE

### CHAIR:

**THANOS COVANIS** (GREECE)

### MEMBERS:

**GIULIANO AVANZINI** (ITALY)

**MICHEL BAULAC** (FRANCE)

**MEIR BIALER** (ISRAEL)

**MARTIN BRODIE** (UK)

**MARCO DE CURTIS** (ITALY)

**CHRISTIAN ELGER** (GERMANY)

**STELIOS GIANNAKODIMOS** (GREECE)

**ALLA GUEKHT** (RUSSIA)

**SVEIN JOHANNESSEN** (NORWAY)

**VASSILIS KIMISKIDIS** (GREECE)

**MICHAEL KOUTROUMANIDES** (UK)

**CIGDEM OZKARA** (TURKEY)

**ANDREAS SCHULZE-BONHAGE** (GERMANY)

**TORBJORN TOMSON** (SWEDEN)

## WELCOME LETTER FROM THE ORGANISING COMMITTEE

Dear Colleagues,

On behalf of the International Organising Committee and the Scientific Advisory Committee, we wish to invite you to Rhodes to attend the 9<sup>th</sup> European Congress on Epileptology from the 27<sup>th</sup> June to the 1<sup>st</sup> July 2010.

The 9<sup>th</sup> European Congress on Epileptology aims to reflect the current momentum in epileptology created by the challenge to translate the recent advances in basic neuroscience research, the emerging pathophysiology concepts and the powerful new diagnostic tools (from molecular probes to non-invasive brain imaging) into better epilepsy patient care.

The scientific programme is almost complete and it features interesting and varied topics that encompass recent scientific developments and will allow those working in all fields of epilepsy to update their knowledge. One of the primary aims of this congress is to include the latest paediatric research and we are delighted that the European Society of Paediatric Neurology agreed to propose sessions to be included in the programme for the 9<sup>th</sup> European Congress on Epileptology. In addition whenever possible, basic and clinical science is being combined.

The topics selected for the main sessions are "Predicting Epileptogenesis", "Advances in Imaging Techniques", "Idopathic Epilepsies" and "AED Development." In order to increase the education on a particular theme, the main topics will be linked with either a discussion group or a workshop. As in previous congresses, the Chairs' Symposium will continue to be one of the highlights of the programme for which we hope you can join us.

The aim of this meeting is to facilitate greater communication and the exchange of ideas amongst basic scientists, researchers and clinicians from across the continent. More emphasis is being placed on the poster presentations ensuring that all authors interact with their audience and no doubt the platform sessions will continue to feature excellent recent studies. We encourage you all to prepare your latest work for abstract submission in the coming months.

We look forward to welcoming you to the magnificent island of Rhodes for what is certain to be a meeting of excellent quality. This meeting provides an opportunity for all of us to increase our knowledge of epilepsy which facilitates the achievement of the common goal of the International League Against Epilepsy, the Commission on European Affairs and all of us to improve the quality of life for people with epilepsy.

With warm regards,



**MICHEL BAULAC**

Co-chair

International Organising Committee

A handwritten signature in black ink, appearing to read 'M Baulac'.



**GEORGE KOSTOPOULOS**

Co-chair

International Organising Committee

A handwritten signature in black ink, appearing to read 'G Kostopoulos'.



**THANOS COVANIS**

Chair

Scientific Advisory Committee

A handwritten signature in black ink, appearing to read 'Thanos Covanis'.

## LETTER FROM MEMBERS OF THE INTERNATIONAL ORGANISING COMMITTEE AND THE GREEK LEAGUE AGAINST EPILEPSY

Dear Friends,

It gives us great pleasure to host the 9<sup>th</sup> European Congress on Epileptology in Rhodes, the largest of the Dodecanese islands in Greece.

Rhodes, the beautiful island of roses, has a unique physical scenery that does not cease to impress its visitors. The splendour of Rhodes town is the old town with the medieval castles, houses and streets which has been declared a world heritage site. At the port you will find Mandraki with its circular market and the cafés at the seafront, further on are the art deco buildings of the Metropolis and numerous Byzantine churches. At the entrance of the port are the famous two columns with deer on top, located on the same spot where was thought to be the Colossus of Rhodes. The ancient city of Lindos is another wonderful attraction of the island. But these are only some of the highlights of Rhodes; the natural surroundings with its crystal clear seas, the many parks on the island, the fact that Rhodes has more sunny days than any other place in Europe and the warm hospitality of the islanders themselves ensure that Rhodes is one of the most popular places in the Mediterranean.

An enhanced social programme is being planned to complement the congress. Neighbouring Rhodes, is the island of Kos which offers a wealth of sightseeing activities on land and sea. Kos is the birthplace of the ancient father of epileptology, Hippocrates, who was born on the island in 460 B.C. In the centre of the town of Kos is the Plane Tree of Hippocrates where the physician is traditionally supposed to have taught. Indeed each of the Greek Islands are renowned for their archeological sites and museums, medieval towns and fortresses, great beaches, walking trails and unforgettable scenery so there is no shortage of pre and post touring options.

We are certain that you will find Rhodes the perfect backdrop for the 9<sup>th</sup> European Congress on Epileptology.

Cordially yours,

Members of the International Organising Committee  
and the Greek League Against Epilepsy





## SCIENTIFIC PROGRAMME - PROGRAMME AT A GLANCE

	Sunday 27th June	Monday 28th June		Tuesday 29th June				
07.30 - 08.00		EUREPA Teaching Sessions / Workshops 07.30 - 09.00	"How To Do" Course 07.30 - 09.00	EUREPA Teaching Sessions / Workshops 07.30 - 09.00	"How To Do" Course 07.30 - 09.00			
08.00 - 08.30								
08.30 - 09.00								
09.00 - 09.30	Teaching Courses 09.00 - 11.00	Posters on Display	Chairs' Symposium 09.00 - 11.00	Posters on Display	Main Session 09.00 - 11.00			
09.30 - 10.00								Main Session 09.00 - 11.00
10.00 - 10.30								
10.30 - 11.00								
11.00 - 11.30							Coffee Break	
11.30 - 12.00	Teaching Courses 11.30 - 13.30	Posters on Display	Platform Sessions 11.30 - 13.00	Posters on Display	Platform Sessions 11.30 - 13.00			
12.00 - 12.30								Platform Sessions 11.30 - 13.00
12.30 - 13.00								
13.00 - 13.30								
13.30 - 14.00							Lunch	
14.00 - 14.30								
14.30 - 15.00	Satellite Symposium 14.30 - 16.00	Posters on Display	Prize Symposium 14.30 - 16.00	Posters on Display	Discussion Groups/ Workshops 14.30 - 16.00			
15.00 - 15.30								Discussion Groups/ Workshops 14.30 - 16.00
15.30 - 16.00								
16.00 - 16.30		Coffee Break		Coffee Break				
16.30 - 17.00	Satellite Symposium 16.30 - 18.00	Posters on Display	Satellite Symposium 16.30 - 18.00	Posters on Display	Bursary Award Symposium 16.30 - 18.00			
17.00 - 17.30								Discussion Groups/ Workshops 16.30 - 18.00
17.30 - 18.00								
18.00 - 18.30								
18.30 - 19.00	Opening Ceremony 18.30 - 19.30	Posters on Display	Satellite Symposium 18.30 - 20.00	Posters on Display	Satellite Symposium 18.30 - 20.00			
19.00 - 19.30								Satellite Symposium 18.30 - 20.00
19.30 - 20.00						Welcome Reception 19.30 - 20.30		
20.00 - 20.30								
20.30 - 21.00								

**SCIENTIFIC PROGRAMME - PROGRAMME AT A GLANCE**

<b>Wednesday 30<sup>th</sup> June</b>		<b>Thursday 1<sup>st</sup> July</b>		
<b>EUREPA Teaching Sessions / Workshops</b> 07.30 - 09.00	<b>"How To Do" Course</b> 07.30 - 09.00	<b>EUREPA Teaching Sessions / Workshops</b> 07.30 - 09.00	<b>"How To Do" Course</b> 07.30 - 09.00	07.30 - 08.00
				08.00 - 08.30
<b>Posters on Display</b>	<b>Main Session</b> 09.00 - 11.00	<b>Main Session</b> 09.00 - 11.00	<b>European Epileptology Award Symposium</b> 09.00 - 11.00	08.30 - 09.00
	<b>Coffee Break</b>	<b>Coffee Break</b>		09.00 - 09.30
				09.30 - 10.00
	<b>Platform Sessions</b> 11.30 - 13.00	<b>Discussion Groups/Workshops</b> 11.30 - 13.00		10.00 - 10.30
				10.30 - 11.00
	<b>Lunch</b>	<b>Lunch</b>		11.00 - 11.30
				11.30 - 12.00
	<b>Discussion Groups/ Workshops</b> 14.30 - 16.00	<b>Discussion Groups/ Workshops</b> 14.30 - 16.00		12.00 - 12.30
				12.30 - 13.00
	<b>Coffee Break</b>	<b>Coffee Break</b>		13.00 - 13.30
				13.30 - 14.00
	<b>Discussion Groups/ Workshops</b> 16.30 - 18.00	<b>Discussion Groups/ Workshops</b> 16.30 - 18.00		14.00 - 14.30
				14.30 - 15.00
			15.00 - 15.30	
15.30 - 16.00				
		16.00 - 16.30		
		16.30 - 17.00		
		17.00 - 17.30		
		17.30 - 18.00		
		18.00 - 18.30		
		18.30 - 19.00		
		19.00 - 19.30		
		19.30 - 20.00		
<b>Beach Party</b> 20.00 - Late	<b>Beach Party</b> 20.00 - Late	20.00 - 20.30		
		20.30 - 21.00		

## SCIENTIFIC PROGRAMME - MAIN TOPICS

The Scientific Programme for the congress has been based on a comprehensive programme of Main Sessions.

### **Advances in techniques to delineate the epileptogenic zone**

*Christoph Baumgartner (Austria) / Andreas Schulze-Bonhage (Germany), Chairs*

Hemodynamic correlates of epileptic activity using fMRI and their potential clinical role  
*Louis Lemieux (UK)*

Spectroscopic imaging in presurgical evaluation of epilepsy patients  
*Pavel Krsek (Czech Republic)*

Approaches to focus localization using modern PET tracers  
*Philippe Ryvlin (France)*

From single cell recordings to high frequency oscillations: novel indicators of epileptogenicity  
*Julia Jacobs (Germany)*

Approaches to focus localization using modern PET tracers  
*Andreas Ionnidis (Cyprus)*

### **AED development, selection and use relevant to gender and age**

*Martin Brodie (UK) / Torbjorn Tomson (Sweden), Chairs*

Clinical Trials of AEDs: new EMEA guidelines vs. clinical needs in different age groups  
*Michel Baulac (France)*

Towards a syndrome-based AED selection in children  
*Thanos Covanis (Greece)*

AED selection and use in women of childbearing potential  
*Jim Morrow (UK)*

AED selection and use in the elderly: pharmacodynamic and pharmacokinetic considerations  
*Emilio Perucca (Italy)*

Idiosyncratic adverse effects: are they age-dependent and if so why?  
*Munir Pirmohamed (UK)*



## SCIENTIFIC PROGRAMME - MAIN TOPICS

### Challenging the concept of idiopathic epilepsies

*Michael Koutroumanidis (UK), Chair*

Clinical EEG (ictal – interictal) evidence

*Renzo Guerrini (Italy)*

Evidence from analysis of clinical seizures (or interictal findings) with different techniques of signal analysis, magnetoencephalography, TMS, dipole analysis, neuroimaging, etc.

*Vassilis Kimiskidis (Greece)*

Mechanisms of their dependence on arousal level

*Peter Halasz (Hungary)*

In search of a satisfactory terminology (taxonomic implications)

*Peter Wolf (Denmark)*

### Predicting epileptogenesis: how far are we from reaching the goal?

*Marco De Curtis (Italy), Chair*

Markers of epileptogenesis and predictors of ictogenesis

*Asla Pitkanen (Finland)*

Predictors and biomarkers in clinical practice

*Simon Shorvon (UK)*

Practical benefits of predicting epileptogenesis: when and how biomarkers can be helpful

*Jerome Engel (USA)*

Clinical and biological predictors of pharmacoresistance

*Heinz Beck (Germany)*



## DISCUSSION GROUPS, TEACHING SESSIONS AND WORKSHOPS

### TREATMENT

Discussion Group

#### **Generic products of antiepileptic drugs (AEDs): is it an issue?**

*Svein Johanessen (Norway), Chairs*

Update on regulatory process in approving generic products

*Panos Macheras (Greece)*

Generic AEDs: pros

*Svein Johanessen (Norway)*

Generic AEDs: cons

*Guenter Kramer (Switzerland)*

Generic products of AEDs: let's separate the science from the politics

*Meir Bialer (Israel)*

Discussion Group

#### **Valproic Acid (VPA) an old and established antiepileptic drug that keeps surprising**

*Emilio Perucca (Italy), Chair*

The role of histone deacetylase (HDAC) in VPA efficacy and teratogenicity

*Wolfgang Loscher (Germany)*

VPA and cognitive decline: adverse effects vs. therapeutic potential in Alzheimer's disease

*Torbjorn Tomson (Sweden)*

A re-appraisal of VPA drug interactions and implications for its use in novel potential indications

*Graeme Sills (UK)*

How can we develop a successful second generation to VPA drug?

*Meir Bialer (Israel)*



Workshop

**The multiple challenges of insular epilepsy**

*Stefano Francione (Italy) / Eugen Trinka (Austria), Chairs*

Seizures originating in the insula: the great electro-clinical mimicker

*Philippe Ryvlin (France)*

Invasive investigation of the insula: methodology and results from stimulation

*Philippe Kahane (France)*

Surgical approaches to insular epilepsy

*Alain Bouthillier (Canada)*

Workshop

**Patient management in epilepsy surgery failure**

*Margitta Seeck (Switzerland), Chair*

What is an epilepsy surgical failure in adults?

*Bernard Steinhoff (Germany)*

What is an epilepsy surgical failure in children?

*Onno Van Nieuwenhuizen (Netherlands)*

Pharmacological and vagal nerve stimulation in epilepsy surgery failure

*Edouard Hirsh (France)*

Re-operation in epilepsy surgery failure

*Stefano Francione (Italy)*

Teaching Session

**Brain stimulation for epilepsy: current status and future prospects**

*Demetrios Velis (Netherlands), Chair*

Vagal-nerve stimulation: state-of-the-art

*Richard Selway (UK)*

Transcranial magnetic stimulation: diagnostic and therapeutic aspects

*Vasilios K. Kimiskidis (Greece)*

Emerging neurostimulation paradigms: direct cortical and closed-loop stimulation

*Demetrios Velis (Netherlands)*



## ADULT EPILEPTOLOGY

Discussion Group

### **Acute symptomatic seizures: risk factors or symptom of epilepsy?**

*Ettore Beghi (Italy), Chair*

Basic mechanisms of acute symptomatic seizures

*Mario De Curtis (Italy)*

Acute symptomatic seizures and underlying brain injury: epidemiological criteria for causation

*Josemir W. Sander (UK)*

Acute symptomatic seizures: risk factors for epilepsy?

*Ettore Beghi (Italy)*

Is the concept of acute symptomatic seizures valid?

*Simon Shorvon (UK)*

Discussion Group

### **Interpreting ictal semiology: localizing automatisms or emergence of inborn behaviors?**

*Carlo Alberto Tassinari (Italy), Chair*

Gestural and oral automatisms

*Cigdem Ozkara (Turkey)*

The spectrum of complex motor behaviors

*Elena Gardella (Italy)*

Age-dependent seizure semiology

*Hans Holthausen (Germany)*

An ethological perspective of ictal automatisms as “fixed action patterns”

*Carlo Alberto Tassinari (Italy)*



Discussion Group

**Recent advances in SUDEP**

*Paolo Tinuper (Italy) / Hermann Stefan (Germany), Chairs*

Update on incidence and risk factors

*Lina Nashef (UK)*

SUDEP mechanisms: lessons from experimental studies

*Ruediger Koehling (Germany)*

SUDEP mechanisms: insights from MORTEMUS

*Philippe Ryvlin (France)*

What next? Proposal for a prospective European study (MORTEMUS II)

*Torbjorn Tomson (Sweden)*

Discussion Group

**Controversies in IGE**

*Simon Shorvon (UK), Chair*

Syndromes in development and decline

*Edouard Hirsh (France) / Matthew Walker (UK)*

Paediatric and adult epileptology vantage points of IGEs: how different are they and how can they merge?

*Olivier Dulac (France) / Alexis Agathonikou (Greece)*

Workshop

**Is cognitive disturbances and epileptiform activity at night related?**

*Pal Gunnar Larson (Norway), Chair*

Cognitive disturbances including autism in patients with continuous spike wave during slow sleep (CSWS)

*Thierry Deonna (Switzerland)*

Nocturnal epileptiform activity in patients with ADHD

*Rosalia Silvestri (Italy)*

Is the epileptiform activity the reason for cognitive impairment or only an epiphenomenon?

*Gregory Holmes (USA)*

Treatment of cognitive disturbances in patients with CSWS

*Orvar Eeg-Olofsson (Sweden)*



Teaching Session

**Frontal lobe seizures - From basic mechanisms to semiology and therapeutic approach**

*Antonio Martins Da Silva (Portugal), Chair*

Frontal lobe and epileptic seizures: basic mechanisms

*Fernando Lopes Da Silva (Netherlands)*

Frontal lobe: seizures semiology and seizures origin

*Patrick Chauvel (France)*

Frontal lobe seizures and sleep behaviour events

*Raffaele Manni (Italy)*

Frontal lobe seizures: therapeutic approaches

*Christian Elger (Germany)*

Teaching Session

**Seizure, arousal or parasomnia? A road map into the borderlands**

*Walter Van Emde Boas (Netherlands), Chair*

Seizure and arousal: egg or chicken?

*Anna Kelemen (Hungary)*

Seizure, arousal or parasomnia: how best to ruin a good night's sleep

*Al De Weerd (Netherlands)*

Seizure or arousal; will time tell?

*Walter Van Emde Boas (Netherlands)*

Seizure, arousal or parasomnia: is there truth in depth?

*Lino Nobili (Italy)*



## **PAEDIATRIC EPILEPTOLOGY**

Discussion Group

### **Paediatric epilepsy surgery: state of the art on special syndromes**

*Helen Cross (UK), Chair*

Rasmussen's encephalitis

*Christian Bien (Germany)*

Hypothalamic hamartomas

*Olivier Delalande (France)*

Sturge-Weber syndrome

*Alexis Arzimanoglou (France)*

Tuberous sclerosis

*Onno Van Nieuwenhuizen (Netherlands)*

Discussion Group

### **The boundary between focal and generalised idiopathic paediatric epilepsies**

*Federico Vigevano (Italy), Chair*

Generalized aspects in idiopathic focal epilepsies

*Lucia Fusco (Italy)*

Focal aspects in idiopathic generalized epilepsies

*Colin Ferrie (UK)*

The concept of age-dependent hyperexcitability

*Solomon L. Moshe (USA)*

How our therapeutic approach will change?

*Pierre Genton (France)*

Discussion Group

### **Idiopathic childhood "focal" seizure susceptibility**

*Colin Ferrie (UK), Chair*

Clinical aspects and genetics

*John Livingston (UK)*

EEG aspects (including MEG) and relevance to pathophysiology

*Salvatore Grosso (Italy)*

Principles of management and treatment (acute early phase - follow up)

*Thanos Covanis (Greece)*

Psychosocial aspects, parental reactions and needs

*Thalia Valeta (Greece)*

Workshop

**Absence seizures and absence epilepsies across the ages: electroclinical correlation**

*Nebojsa Jovic (Serbia) / Marina Nikanorova (Denmark), Chairs*

Absence seizures and syndromes variability under age of 3 years old

*Ulrich Stephani (Germany)*

Absence seizures and syndromes variability in childhood and adolescence

*Stelios Giannakodimos (Greece)*

Absence seizures and syndromes variability in adults

*Pierre Genton (France)*

ASE in different syndromes in children and adults

*Pierre Thomas (France)*

Workshop

**Infantile spasms: how to get rid of the catastrophe**

*Solomon L. Moshe (USA) / Reily Riikonen (Finland), Chairs*

Models of infantile spasms

*Aristea Galanopoulou (USA)*

Can the EEG predict the outcome?

*Tiziana Granata (Italy)*

What can we learn from the ARX mutation?

*TBA*

How to treat? Evidence based studies

*Andrew Lux (UK)*

**BASIC SCIENCE**

Discussion Group

**Epileptic networks and lesions**

*Hermann Stefan (Germany), Chair*

Epileptic networks

*Fernando Lopes Da Silva (Netherlands)*

Lesion detected by MRI postprocessing

*Hans Juergen Huppertz (Switzerland)*

High frequency oscillations (HFO) and epileptic activity

*Stefan Rampp (Germany)*

Networks and surgical treatment

*Patrick Chauvel (France)*

Discussion Group

**Seizure prediction in epilepsy: from modeling to seizure prevention**

*Bjorn Schelter (Germany), Chair*

From EEG signals recorded in human partial epilepsies to dynamic transitions in brain activity: insights from computational models

*Fabrice Wendling (France)*

Recent advances in seizure prediction

*Hinnerk Feldwisch (Germany)*

Can the micro-electrodes recordings improve the seizure prediction strategies?

*Vincent Navarro (France)*

Electrical stimulation of the seizure focus

*Paul Boon (Belgium)*

Discussion Group

**Bringing together clinical and basic research**

*George Kostopoulos (Greece), Chair*

Intracortical and cortico-thalamic associations of spike-wave discharges in genetic animal models of absence epilepsy

*Gilles Van Luijtelaar (Netherlands)*

Difficulties in kindling cortical epileptogenesis in GE

*Filiz Onat (Turkey)*

Evidence in humans

*Robert Elwes (UK)*

Channelopathies as a genetic cause for epilepsy. The relation to idiopathy

*Giuliano Avanzini (Italy)*



Discussion Group

**Structural genomic variation in human seizure disorders: emerging themes in epilepsy genetics**

*Peter De Jonghe (Belgium), Chair*

Listen to your genome and talk to your patients: the architecture of the human genome and the challenges of phenotyping

*Ingo Helbig (Germany)*

State of the art - epilepsies as comorbidities in classical microdeletion syndromes

*Rikke Steensbjerre Moller (Denmark)*

An underrecognised source of genetic morbidity: microdeletions and microduplications in idiopathic epilepsy syndromes

*Federico Zara (Italy)*

A glimpse at the future - analysis of genome-wide copy number variations in large datasets and the question of pathogenicity

*Carolien De Kovel (Netherlands)*

Discussion Group

**New developments in K<sup>+</sup>-channel involvement in epilepsy**

*Ruediger Koehling (Germany), Chair*

Axonal KCNQ-channels regulate neuronal excitability and synaptic transmission

*Johan Storm (Norway)*

Atypical gating of KCNQ-channels in BNFC

*Maurizio Tagliatela (Italy)*

Critical reduction of SK-channels in a model of TLE

*Timo Kirschstein (Germany)*

K<sup>+</sup>-buffering via Kir channels is reduced in seizure-induced blood-brain-barrier disruption

*Alon Friedman (Israel)*



Workshop

**Endogenous anticonvulsive mechanisms activated by seizures**

*Guenther Sperk (Austria), Chair*

Tonic inhibition in epilepsy - the brain fights back

*Matthew Walker (UK)*

Dynamic expression of neuropeptides as endogenous antiepileptic principle

*Guenther Sperk (Austria)*

The endogenous cannabinoid system in seizure protection and its impairment in seizure generation

*Zsofia Maglóczy (Hungary)*

Neurogenesis and plasticity: do they reduce excitability?

*Merab Kokaia (Sweden)*

Workshop

**Epileptogenesis: mechanisms and prevention**

*Christophe Bernard (France), Chair*

Epigenetic factor mediate HCN1 channelopathy

*Christophe Bernard (France)*

T-type calcium channel upregulation as a pro-epileptogenic factor

*Albert Becker (Germany)*

Preventing epileptogenesis: anti-inflammatory strategy

*Anna Maria Vezzani (Italy)*

Preventing epileptogenesis: growth factors strategy

*Michele Simonato (Italy)*



Workshop

**Neurobiology of memory dysfunction in temporal lobe epilepsies**

*Christoph Helmstaedter (Germany), Chair*

Functional and anatomical organization of memory formation in the temporal lobe

*Thomas Grunwald (Switzerland)*

Hippocampal granule but not pyramidal cell loss predicts memory impairment in TLE patients

*Elisabeth Pauli (Germany)*

The diverse regenerative capacity of the human hippocampus and its impact on memory formation in TLE patients

*Ingmar Blumcke (Germany)*

Neurobiology of adult hippocampal neurogenesis under physiological and pathophysiological conditions

*Georg Khun (Sweden)*

Teaching Session

**New findings from epilepsy genomics: implications for clinical practice and research**

*Sanjay Sisodiya (UK), Chair*

Genomics and basic mechanisms: new directions

*Stephanie Baulac (France)*

Genomics – exploring the functional consequences in humans

*Sanjay Sisodiya (UK)*

Genomics – implications for clinical practice

*Renzo Guerrini (Italy)*

**DIAGNOSTIC ISSUES**

Discussion Group

**Photosensitivity: from focal abnormality to generalized seizures**

*Dorothee Kasteleijn-Nolst Trenite (Italy), Chair*

Links between photosensitivity and idiopathic generalized epilepsy

*Ulrich Stephani (Germany)*

Photosensitivity as a focal epileptic phenomenon

*Michael Siniatchkin (Germany)*

How to provoke the generalized photoparoxysmal response in photosensitive subjects?

*Jaime Para (Spain)*

How to prevent the local increase of cortical excitability in photosensitive subjects?

*Dorothee Kasteleijn-Nolst Trenite (Italy)*

Discussion Group

**Imaging the connections of the eloquent brain and epileptogenic foci**

*John Duncan (UK), Chair*

Imaging visual pathways in temporal lobe epilepsy surgery

*Daniel Nilsson (Sweden)*

Connectivity of language and memory circuits in temporal lobe epilepsy

*Mahinda Yogarajah (UK)*

Identifying the connectivity of the epileptogenic zone

*Serge Vulliemoz (Switzerland)*

The future applications of tractography to defining the relationship of eloquent and epileptogenic cortex and to planning surgery

*John Duncan (UK)*

Discussion Group

**EEG and video EEG in IGE and idiopathic focal epilepsies**

*Stuart Boyd (UK), Chair*

Video EEG: diagnostic clues and pitfalls

*Pipo Capovilla (Italy) / Pierre Thomas (France)*

Non-localizing focal discharges in IGE: diagnostic challenge and prognostic implications

*Jose Luis Fernandes Torre (Spain)*

Teaching Session

**Interpreting video EEG data in a surgical perspective**

*Philippe Kahane (France), Chair*

Analysis of interictal scalp EEG data in a surgical perspective

*Christoph Baumgartner (Austria)*

Ictal and postictal clinical signs that reliably lateralize and localize the epileptogenic zone

*Felix Rosenow (Germany)*

Significance of the first ictal scalp EEG changes and seizure spread patterns

*Laura Tassi (Italy)*

Pitfalls and caveats of video EEG findings in children

*Helen Cross (UK)*



Workshop

**Mapping brain functions using intracranial electrodes**

*Christian Elger (Germany), Chair*

Mapping the human brain using electrical currents: where are we today?

*George Ojemann (USA)*

What evoked potentials tell us on the functional anatomy and connectivity of the human brain?

*Milan Brazdil (Czech Republic)*

Dynamic spectral imaging as an online exploratory tool of brain functions

*Jean Philippe Lachaux (France)*

Do micro-recordings add anything new to what can be done using macro-electrodes?

*Itzhak Fried (Israel)*

Teaching Session

**MRI postprocessing in epilepsy**

*Eugen Trinka (Austria), Chair*

Overview of MRI postprocessing techniques in the presurgical evaluation of epilepsy patients

*Hans Juergen Huppertz (Switzerland)*

Diagnostic value of morphometric MRI analysis in clinical and pre-clinical settings

*Joerg Wellmer (Germany)*

Automatic detection and quantification of hippocampal pathology on MRI – results and clinical applications

*Alexander Hammers (UK)*

Diffusion-based MRI and tractography in epilepsy

*Mahinda Yogarajah (UK)*





## EUROPEAN EPILEPTOLOGY AWARD 2010



The Commission on European Affairs (CEA) wishes to invite nominations for the European Epileptology Award 2010. The award will be presented to a European epileptologist in recognition of his or her outstanding contribution to European epileptology at a special symposium during the 9th European Congress on Epileptology in Rhodes, Greece in 2010.

The CEA will contribute EUR10,000 to the award and a committee especially selected by the CEA will judge the nominations and choose the winner.

Any individual who has made a substantial lifetime contribution in any aspect of epileptology is eligible for nomination. The major part of the candidate's work should have taken place in Europe. Nominations will be accepted from ILAE Chapters, Institutions or individuals. Please note that self-nomination is not permitted.

### Nomination Instructions

1. Nominations will be available on the congress website at [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org)
2. Please complete one nomination form for each nominee
3. Completed nomination forms should be accompanied by:
  - (a) A Curriculum Vitae of the nominee (400 – 800 words)
  - (b) An explanatory statement outlining the reasons the proposed nominee has been nominated for the award. This should include an assessment of the nominee's professional achievements as well as his/her contribution to European developments in Epileptology (max. 400 words)
  - (c) A list of up to 10 publications considered to be particularly representative of the nominee's contributions.
4. Nomination forms and other documentation should be returned to [rhodes@epilepsycongress.org](mailto:rhodes@epilepsycongress.org) no later than **December 31<sup>st</sup> 2009**

Or posted to:

**European Epileptology Award Committee**  
**9th ECE – Rhodes 2010**  
**7 Priory Hall, Stillorgan**  
**Dublin 18, IRELAND**



## TRAVEL BURSARIES

In an effort to further encourage young investigators to participate in the 9<sup>th</sup> European Congress on Epileptology 2010, the Commission on European Affairs (CEA) will award Travel Bursaries to a number of young applicants to assist with travel and accommodation expenses. Members of the Bursary Sub-Commission will select the successful applicants. Details of how to apply for a Travel Bursary will be announced on the congress website at [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org).

## ABSTRACT SUBMISSION

All abstracts should be submitted via the congress website at [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org). Instructions and rules for abstract submission will be available on line from September 2009. The abstract submission deadline is currently set for December 2009.

Abstracts must be submitted in English ready for immediate publication in keeping with submission guidelines. Authors will receive an e-mail acknowledgement on receipt of their abstract. Authors whose abstracts are accepted will be given 30 days to register following notification of this acceptance.

Late abstracts will not be accepted.

## CME CREDITS

The 9<sup>th</sup> European Congress on Epileptology has applied to the European Accreditation Council for Continuing Medical Education (EACCME) for CME accreditation. The EACCME is an institution of the European Union of Medical Specialits (UEMS). EACCME credits are recognized by the American Medical Association towards the Physician's Recognition Award (PRA).



## REGISTRATION

Registration will be open from September 2009. Further details and rates will be available on the website: [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org).

## WEBSITE

**[www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org)**

All details regarding the congress will be announced on the congress website as they become available. Abstract submission, registration, accommodation reservation and bursary applications will be processed online. Access to registration and abstract submission systems will be available from September 2009. Please refer to the website for scientific programme updates.

Details on other epilepsy congresses worldwide can be accessed through the epilepsy portal site at [www.epilepsycongress.org](http://www.epilepsycongress.org).

## MAILING LIST

If you would like to be included on the congress mailing list to receive updates about the 9th European Congress on Epileptology please submit your contact details via the congress website [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org) or contact us at [info@epilepsycongress.org](mailto:info@epilepsycongress.org).



## TRADE EXHIBITION

A trade exhibition will be held in conjunction with the 9<sup>th</sup> European Congress on Epileptology. The exhibition is an integral part of the Congress, affording delegates an opportunity to learn about new products and services relevant to the field of epilepsy. Delegates will have the opportunity to explore the exhibits and expand their learning.

Companies interested in exhibiting at the congress are kindly requested to contact the Congress Exhibition Manager as soon as possible at the address below:

Exhibition Manager  
9<sup>th</sup> European Congress on Epileptology  
ILAE Congress Secretariat  
7 Priory Hall  
Stillorgan  
Dublin 18  
Ireland

E-mail: [exhibition@epilepsycongress.org](mailto:exhibition@epilepsycongress.org)  
Phone: +353 51 644 020  
Fax: +353 51 644 021

## LANGUAGE

The official language of the 9<sup>th</sup> European Congress on Epileptology will be English.



## VENUES

The 9th European Congress on Epileptology will be held at two venues situated a few steps away from each other, the Capsis Hotel and the Rodos Palace, both of which have conference and exhibition facilities.

Rodos Palace Luxury Convention Resort  
Trianton Ave. Ixia P.O.Box 121  
85100 Rhodes, Greece  
Tel: (+30) 22410 25222

Capsis Hotel Rhodes & Convention Centre  
Marika Capsis 2000  
85100 Rhodes, Greece  
Tel. (+30) 22410 25015

## ACCOMMODATION

Rhodes offers a variety of accommodation to suit all budgets and preferences, from superior hotels offering first class accommodation to smaller budget hotels. There are hotels directly beside the congress venue, hotels in the town of Rhodes and some hotels overlooking the sea. Further details regarding accommodation booking will be announced on the website.

For further information contact [rhodesaccommodation@epilepsycongress.org](mailto:rhodesaccommodation@epilepsycongress.org)



## WELCOME TO RHODES

Rhodes (Rhodos or Rodos in Greek) is the largest of the Dodecanese islands and one of the largest in the Aegean Sea. With its subtropical climate, Rhodes is known as the “the island of light”, with over 300 sunny days per year.

Rhodes has known many civilizations throughout its 2,400 years of history, from the ancient Greeks and the Romans, followed by the Byzantines, the Knights of St. John, the Ottomans and the Italians. The construction of the ancient city of Rhodes began in 408-407 BC. At that time Rhodes developed into one of the most important maritime and commercial centres in the Eastern Mediterranean.

Rhodes Town is today an amalgam of medieval and modern architecture. A stroll around the Old Town of Rhodes immerses the visitor into a very special atmosphere, created by a fascinating diversity of cultures from the past with medieval fortress, narrow alleys, cobbled streets, minarets and old houses with balconies. The Medieval Town of Rhodes, fortified by impressive walls, is inscribed on the UNESCO World Heritage List since 1988.

Rhodes Town is the financial and cultural centre of the Southeastern Aegean Sea, and successfully combines a lively present with a rich historical past. The modern town, with luxurious hotels, broad avenues, shopping centres, blends in harmony with the medieval part of the town.

Olive and citrus groves are part of the landscape of the island in almost every area, since much of the island is still heavily agricultural. Rhodes is also renowned for its vast expanses of sandy beaches and crystal clear waters, that marvel thousands of visitors each year.



## CLIMATE

The climate of Rhodes is a mild Mediterranean climate characterised by sunny and dry summers and mild winters. Refreshing breezes and winds during the months of June and July make the temperatures more bearable.

## CURRENCY

The currency in Greece is Euro (€).

## VISAS

Many visitors to Greece will not need to obtain a visa for visits to Greece of up to 90 days.

EU/EEA/EFTA passport holders travelling to Greece do not require a visa provided that the passport is valid for the intended period of stay in Greece.

Provided that the stay in Greece or Schengen area is for no more than 90 days, nationals of the following countries do not require a visa to enter or transit through Greece, as long as the passport is valid for at least 3 months from the date of return from Greece:

Andorra, Argentina, Australia, Brazil, Brunei, Bulgaria, Canada, Chile, Costa Rica, Croatia, El Salvador, Honduras, Hong Kong (holders of passports Hong Kong Special Administrative Region), Israel, Japan, Macao (holders of passports Região Administrativa Especial de Macau), Malaysia, Mexico, Monaco, New Zealand, Nicaragua, Panama, Paraguay, Romania, South Korea, San Marino, Singapore, United States of America, Uruguay, The Vatican and Venezuela.

Citizens of all countries not mentioned above will need a visa to enter Greece. Please contact the Greek Embassy or Consulate in your country to obtain a visa.

Registered congress participants who require an official letter of invitation in order to support a visa application should contact the Congress Secretariat.



## CONGRESS SECRETARIAT

ILAE Congress Secretariat  
7 Priory Hall,  
Stillorgan,  
Dublin 18,  
Ireland  
Tel: +353-1-2056720  
Fax: +353-1-2056156  
E-mail: [rhodes@epilepsycongress.org](mailto:rhodes@epilepsycongress.org)  
Website: [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org)

## IMPORTANT DATES FOR YOUR DIARY

Online Registration & Abstract Submission Available  
Abstract Submission Deadline  
European Epileptology Award Nomination Deadline  
Early Registration Deadline  
Congress Dates

September 2009  
December 2009  
December 31<sup>st</sup> 2009  
March 19<sup>th</sup> 2010  
June 27<sup>th</sup> – July 1<sup>st</sup> 2010





ILAE Congress Secretariat  
7 Priory Hall,  
Stillorgan,  
Dublin 18,  
Ireland

Tel: +353-1-2056720  
Fax: +353-1-2056156

**E-mail: [rhodes@epilepsycongress.org](mailto:rhodes@epilepsycongress.org)**  
**Website: [www.epilepsyrhodes2010.org](http://www.epilepsyrhodes2010.org)**