



Hellenic Society
for Neuroscience



Israel Society
for Neuroscience



Serbian
Neuroscience
Society

FENS Featured

Federation of
European
Neuroscience
Societies

Regional Meeting 2015

*Nourishing Neuroscience
in the Cradle of Culture*



Under the Auspice of

Aristotle University of Thessaloniki
School of Medicine



SCIENTIFIC PROGRAM

7-10 October 2015

«Ioannis Vellidis» Congress Center,
Thessaloniki, Greece

www.ffrm2015.com



FENS

Federation of
European
Neuroscience
Societies

Featured

Regional Meeting 2015



TABLE OF CONTENT

Sponsors	00
Welcome Message	00
Committees	00
Meeting Venue	00
Floor Plan	00
Programme at a Glance	00
Stipends and Awards	00
Scientific Programme	00
Poster Sessions	00
Information for Speakers	00
Information for Poster Presenters	00
Social Events	00
Exhibitors	00
General Information	00
Faculty	00
List of Authors	00



WELCOME LETTER

Dear colleagues,

We are pleased to invite you to the “FENS Featured Regional Meeting 2015” which will take place on October 7-10th in Thessaloniki, Greece. The conference is organized jointly by the Hellenic, Serbian and Israel **Neuroscience Societies**.

The three Neuroscience Societies will have the opportunity to come together for the first time, enhance their relationships and represent themselves to an international audience. We have worked closely together to prepare a highly attractive scientific program reflecting excellence in research in the three countries.

This international environment will enable students, young investigators and renowned scientists around the globe to share their research and exchange ideas. With this goal in mind, we are accepting symposium proposals from both European and International neuroscience communities to enrich and finalize our program.

FFRM2015 will allow young researchers to present their work along with their more experienced colleagues, and have the opportunity to meet the experts of their field. The FFRM2015 will “nourish” young scientists in a European region where this is most needed. After all, Thessaloniki is the European Youth Capital City for 2014, but also the cradle for Greek, Serbian and Israeli cultures for centuries.

We will devote all of our efforts to make the FFRM2015 in Thessaloniki a memorable conference building on the high standards achieved in Warsaw, Ljubljana and Prague.

We look forward seeing you in Thessaloniki.

Efstathios K. Kosmidis

Chair of the Organizing Committee
Assistant Professor of Physiology
Aristotle University of Thessaloniki, Greece

George Panagis

President of the Hellenic Society for Neuroscience
Associate Professor of Biopsychology
University of Crete, Greece

Esther Shohami, PhD

President, Israel Society for Neuroscience (ISFN)
Member of the Organizing Committee
Professor of Pharmacology
The Hebrew University of Jerusalem, Israel

Ljubisa Rakic, MD, PhD

President, Serbian Neuroscience Society (SNS)
Vice President of the Serbian Academy of Sciences and Arts
Belgrade, Serbia



ORGANIZING SOCIETIES

Hellenic Society for Neuroscience

Israel Society for Neurosciences

Serbian Neuroscience Society

COMMITTEES

Scientific Committee

Kosmidis, Efstratios K.

Shohami, Esther

Kanazir, Selma

Albani, Maria

Stylianopoulou, Fotini

Efthimiopoulos, Spiros

Panagis, George

Yaka, Rami

Pekovic, Sanja

Amitai Gabriel

Arber Silvia

Local Organizing Committee

Kosmidis, Efstratios K.

Albani, Maria

Asproдини Eftychia

Tata Despoina

Grigoriou Maria

Grigoriadis Nikolaos

Chatzistotiriou Athanasios

Spandou Evangelia

Adamos Dimitrios

Maglaveras Nikolaos

Psarropoulou Caterina

Kalpidis Ioannis

Papadopoulos C. Georgios

Kimiskidis K. Vasilios

MEETING SECRETARIAT



E.T.S Events and Travel Solutions S.A.

154 El. Venizelou Str N. Smyrni, Athens, Greece, 171 22 •

Phone: +30 210 98 80 032 • Fax: +30 210 98 81 303

Email: info@ffrm2015.com • Website: www.ffrm2015.com



MEETING VENUE

The FENS Featured Regional Meeting 2015 will be held at the "Ioannis Vellidis" Congress Center, ideally located near the city centre. It is easily accessible by both public and private transport.

"Ioannis Vellidis" Congress Centre is the largest such centre in Greece, with a capacity to host 2,400 people. It is renowned for its functionality and its ability to hold various kinds of events. "Ioannis Vellidis" has five (5) halls, auxiliary areas and reception areas, all fully equipped. All areas are air conditioned and have modern audiovisual aids, covering interpretation needs for 11 languages. This congress centre can host three satellite events. It also has a roof garden that can hold receptions for 1,000 people, while its underground parking facilities can provide parking for 430 cars. "Ioannis Vellidis" operates around the year and hosts the most-attended events in the city, such as major conferences, day meetings, symposia, seminars, speeches, Press conferences, company presentations, concerts of classical and modern music and even theatre performances.

Ioannis Vellidis Congress Center

(Part of HELEXPO International
Exhibition and Congress Center)

Leof.Stratou

Thessaloniki 546 36

Greece

Tel: 2310 291111

www.helexpo.gr

Symposium Area

ROOM III	POSTER AREA	ROOM IV
ROOM I	EXHIBITION AREA	ROOM II



PROGRAMME AT A GLANCE

Wednesday 7 October 2015

	Room I	Room II	Room III	Room IV
13:00-14:40	Symposium 1: Neuroengineering	Symposium 2: Peripheral and Central Mechanisms of Pain Dependent Plasticity	Symposium 3: Multisensory integration in movement, posture and locomotion	Symposium 4: Novel treatments for traumatic injury to the brain
14:40-15:00	COFFEE BREAK			
15:00-16:40	Symposium 5: Transcriptional Regulation of Neuronal Identity	Symposium 6: The Cholinergic System - Physiology, Neuroimmunology and Toxicology	Symposium 7: Body/action representations and potential clinical applications	Symposium 8: The vulnerability to the traumatic consequences of stress
16:40-17:40	Plenary Lecture1: The neurobiology of social hierarchies: from rodents to neuroeconomics			
17:40 - 18:40	WELCOME COCKTAIL - CONGRESS VENUE			
19:30	Prof O'Keefe lecture at University of Thessaloniki, Lecture: Can Entorhinal Grid cells provide the metric for the Cognitive Map			



Thursday 8 October 2015

	Room I	Room II	Room III	Room IV
09:00-10:40	Symposium 9 : Autophagy and Lysosomes in the nervous system	Symposium 10: Drug Addiction: reward, memory and addiction	Symposium 11: Neuroinflammation in neurodegenerative diseases	Symposium12: Novel Developments in spinal cord injury and repair
10:40-11:00	COFFEE BREAK			
11:00-12:00	Plenary Lecture 2: NET-fMRI of Large-Scale Brain Networks: Mapping Dynamic Connectivity during Epochs of Synaptic			
12:00-13:40	Special Interest 1: Neuro for the Naïve	Special Interest 2: Transparency in animal research and its cost	Symposium 13: Neuroinflammation and neuroprotection in the CNS	Symposium 14: Development of the cerebral cortex and retina
13:40-15:15	LUNCH BREAK			
15:15-16:55	Symposium 15: Spinal Cord circuitry and Locomotion	Symposium 16: Targeting Neurodegenerative diseases: from Bench to bedside.	Symposium 17: Brain Signal Analysis	Symposium18: Inhibitory synaptic plasticity and its role in CNS pathologies
16:55-17:35	Hot Topic1: Why Multi Target Neurorestorative drugs for Parkinson's and Alzheimer's diseases			
17:35-18:35		HSN General Assembly		
19:30	Basketball Tournament			



PROGRAMME AT A GLANCE

Friday 9 October 2015

	Room I	Room II	Room III	Room IV
09:00-10:40	Symposium 19: Animal models in CNS	Symposium 20: Cellular and Molecular mechanisms of synaptic plasticity and memory	Symposium 21: Molecular mechanisms of social behavior	
10:40-11:00	COFFEE BREAK			
11:00-12:00	Plenary Lecture 3: The Human Brain Project			
12:00-13:40	Special Interest 3: CHET Event	Special Interest 4: History of Neuroscience	Symposium 22: The brainstem from development to function	Symposium 23: Locus Coeruleus: new light on old neurons
13:40-15:15	LUNCH BREAK			
15:15-15:55	Hot Topic 2: Neural basis for loss of consciousness during anesthesia and anesthesia-like			
15:55-17:35	Symposium 24: Behavioral aspects in animal models. Environmental manipulation and pharmacological intervention	Symposium 25: Nicotinic acetylcholine receptors: From genes and synapses to networks and cognition	Symposium 26: The impact of receptor-receptor interactions on brain plasticity	Symposium 27: Innovative technologies for biomarker discovery in neuroscience
17:35-18:15	Hot Topic 3: Imag(in)ing the future of optical recording of membrane potential			
18:15-19:15	Special Interest 5: EJN BEST PUBLICATION AWARD			
20:30	FOOD & WINE FESTIVAL			



Saturday 10 October 2015

	Room I	Room II	Room III	Room IV
09:00-10:40	Symposium 28: Mechanisms of alpha-synuclein-mediated neurotoxicity and therapeutic implications	Symposium 29: Common mechanisms in pathophysiology of Neurodegenerative disorders	Symposium 30: GABA circuits in embryonic and postnatal development of the central nervous system	Symposium 31: Real-time optical Imaging; from a single spine to the intact brain
10:40-11:00	COFFEE BREAK			
11:00-12:00	Plenary Lecture 4: Cross talk between stem cells and the neurodegenerative environment			
12:00-13:40	Special Interest 6: IBRO ALUMNI LECTURE	Symposium 32: Diabetes and Vascular Neurological Diseases	Symposium 33: From genes to behavior: putting together the puzzle pieces of treatment of mood disorders	
13:40-15:15	LUNCH BREAK			
15:15-16:55	Symposium 34 : Aging and aging-associated diseases	Symposium 35: Active dendritic integration: from computation to behaviour	Symposium 36: Computational Neuroscience : From systems to molecules	
16:55-17:55	Hot Topic 4: Emerging role of brain mineralo-corticoid receptors			
17:55-18:55	Oral presentation of Posters Winners			

7-10 October 2015

«Ioannis Vellidis» Congress Center, Thessaloniki, Greece



SYMPOSIUM AREA OF INTEREST

Clinically Oriented Neuroscience

Cognitive and Behavioral Neuroscience

Developmental Neuroscience

Molecular/Cellular Neuroscience

Neural circuits and Systems

Neuroengineering and Computational Neuroscience

Hot topic

Special Interest

Plenary Lecture



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015

Wednesday **7 October**

2 0 1 5

13:00- 14:40 **Symposium 1**

ROOM I

Neuroengineering

Chair person: **Nicolaos Maglaveras**

- L1 **Nitish Thakor:** Frontiers of Neurotechnology: "Electroceutical" implantable neural interfaces
- L2 **Nitish Thakor:** Frontiers of Neuroengineering: from cells to cognition, and micro to machines
- L3 **Ioanna Chouvarda:** Computational methods for sleep microstructure analysis in normal and pathologic sleep
- L4 **O. Chetelaut:** New generation of micro and wearable sensors for telemonitoring of patients suffering from neurodisorders

13:00-14:40 **Symposium 2**

ROOM II

Peripheral and central mechanisms of pain dependent plasticity

Chair person: **Alex Binshtok , Avi Priel**

- L1 **Avi Priel:** Deciphering the molecular basis of pain receptors polymodality.
- L2 **Alexander Binshtok:** Colouring labelled lines: Multispectral mapping of primary afferents as a tools to study their reorganization in chronic pain
- L3 **Menachem Hanani:** Satellite glial cells activation by systemic and local injuries and its contribution to chronic pain.
- L4 **Robert Goldstein:** Pain at its source: Signal transduction and propagation at the nociceptive peripheral terminals

13:00-14:40 **Symposium 3**

ROOM III

Multisensory integration in movement, posture and locomotion

Chair persons: **Mouchnino Laurence, Blouin Jean**

- L1 **Vassilia Hatzitaki:** Exploring sensorial reweighting of posture in young and old adults by means of vestibular stimulation
- L2 **Charalambos Papaxanthis:** Mental actions: cortical plasticity, learning and performance
- L3 **Laurence Mouchnino:** Cortical facilitation of somatosensory inputs during the planning phase of gait initiation
- L4 **Cathy Craig:** Footstep sounds used as a sensory cue for improving gait in Parkinson's disease patients
- L5 **Marco Schieppati:** Body sway increases after theta-burst stimulation of the cerebellar vermis



13:00-14:40	Symposium 4	ROOM IV
	Novel treatments for traumatic brain injury Chair persons: Esther Shohami , Sanja Pekovic	
L1	Chaim G. Pick: New remedies for treating traumatic brain injury	
L2	Esther Shohami: Endocannabinoids in TBI	
L3	Sanja Pekovic: Hyperbaric oxygen therapy in TBI – underlying mechanisms	
L4	Natasa Loncarevic-Vasiljkovic: Therapeutic potential of dietary restriction in TBI	
14:40- 15:00	Coffee Break	
15:00-16:40	Symposium 5	ROOM I
	Transcriptional regulation of neuronal identity Chair persons: Nissim Ben-Arie, Panagiotis Politis	
L1	Nissim Ben-Arie: Ventral spinal cord patterning: from transcription regulation to a neurological disease	
L2	Panagiotis Politis: Novel gene regulatory networks in neural development	
L3	Francois Guillemot: Signals and factors controlling stem cell activity in the adult brain	
L4	Federico Calegari: Regulation of neural stem cell expansion in the mammalian brain	
L5	Jovica Ninkovic: Choroid plexus secreted microRNAs maintain neural stem cells by regulating neurogenic fate determinants	
15:00-16:40	Symposium 6	ROOM II
	The Cholinergic system - Physiology, neuroimmunology and toxicology Chair persons: NTBA	
L1	Shani Shenhar-Tsarfaty: Imbalanced cholinergic signaling contributes to cardio-vascular risks in health and disease	
L2	NTBA: Novel hybrid small molecule scavengers for mitigating the toxicity of organophosphates	
L3	Israel Silman: Structure/Function relationships in the interaction of toxic and therapeutic anticholinesterases with acetylcholinesterase	
L4	Yoav Paas: Subunit stoichiometry and organization in a chloride selective Cys-loop receptor	
L5	Caterina Psarropoulou : Immature seizures and plasticity of CNS cholinergic neurotransmission	



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

15:00-16:40

Symposium 7

ROOM III

Body/action representations and potential clinical applications

Chair persons: **Amir Amedi, Konstantinos Tsagkaridis**

L1

Noa Zeharia: Somatotopic information in the human brain

L2

Martin Edwards: Action observation priming facilitates action execution and spatial perception in healthy and brain-damaged participants

L3

Zohar Tal: The origins of metamodality in visual tools area LO: Bodily topographical biases and increased functional connectivity to S1

L4

Konstantinos Tsagkaridis: How can we boost action semantics in healthy controls and impaired patients to facilitate perception?

Thursday 8 October 2015

15:00-16:40

Symposium 8

ROOM IV

The vulnerability to the traumatic consequences of stress

Chair persons: **Martine Ammassari-Teule, Jelena Radulovic**

L1

Harm J. Krugers: Stress-hormones, early life adversity and fear memory formation

L2

Pascale Gisquet-Verrier: Post traumatic stress disorder and Substance used disorder: Two pathologies of memory due to dysfunction of memory reactivation?

L3

Gal Richter Levin: A novel approach to PTSD modeling in rats - alternating patterns of limbic activity in different types of stress reaction.

L4

Martine Ammassari-Teule: The efficacy of propranolol in decreasing fear memory and resetting neuronal connectivity to pre-trauma levels depends on the genotype-predominant memory system.

Friday 9 October 2015

16:40-17:40

Plenary Lecture 1

ROOM I

Chair persons: **Selma Kanazir, Fotini Stylianopoulou**

Carmen Sandi: The neurobiology of social hierarchies: from rodents to neuroeconomics

Saturday 10 October 2015

17:40-18:40

Welcome Cocktail

19:30

Presidential Lecture

Aristotle's University of Thessaloniki

John O'Keefe: Can Entorhinal Grid cells provide the metric for the Cognitive Map



Thursday

8 October

2 0 1 5

09:00- 10:40 **Symposium 9****ROOM I****Autophagy and lysosomes in the nervous system**Chair persons: **Hagit-Eldar Finkelman , Silva Hecimovic**

- L1 **Ronit Pinkas:** Autophagy, Beclin 1 and neurodegeneration
- L2 **Cecilia Buccì:** Role of Rab7 in autophagy: implications for Charcot-Marie. Tooth type 2b neuropathy
- L3 **Fiona Menzies:** Autophagy as a therapeutic target for neurodegenerative diseases.
- L4 **Hagit Eldar-Finkelman:** GSK-3 interacts with lysosome networking and contributes to neurodegeneration

09:00- 10:40 **Symposium 10****ROOM II****Drug Addiction: reward, memory and addiction**Chair persons: **Rami Yaka , Ami Citri**

- L1 **Segev Barak:** Memory replacement by post-retrieval counterconditioning: a new approach of relapse prevention in substance use disorders
- L2 **Rainer Spanagel:** A common molecular mechanism for drug and natural reward-seeking
- L3 **Rami Yaka:** Targeting drug-cue associations to prevent cocaine reward
- L4 **Oliver M. Schlüter:** The fate of silent synapses in cocaine-induced neuronal circuit alterations
- L5 **Ami Citri:** Transcription networks provide insight into the neural circuitry of addiction
- L6 **Gilli Silberberg:** Striatal Microcircuits underlying sensory integration.

09:00-10:40 **Symposium 11****ROOM III****Neuroinflammation in neurodegenerative diseases**Chair persons: **Spiros Georgopoulos, Alon Monsonego**

- L1 **Spiros Georgopoulos:** Microglia in Alzheimer's disease
- L2 **Alon Monsonego:** Adaptive immunity in the progression and treatment of Alzheimer's Disease
- L3 **Ingo Bechmann:** Microglia in human Alzheimer's Disease and obesity

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

09:00- 10:40	Symposium 12	ROOM IV
	Novel developments in spinal cord injury and repair Chair person: Rebecca Matsas	
L1	Michal Schwartz: Immune-mediated recovery following spinal cord injury is orchestrated by the brain's remote choroid plexus	
L2	Stefano Pluchino: How stem cells speak with immune cells	
L3	Miodrag Stojkovic: Spinal cord injury and cell therapy. Models and mechanisms.	
L4	Florentia Papastefanaki: Functionalized gold nanoparticles as drug delivery systems	

Thursday 8 October 2015

10:40- 11:00	Coffee Break	
11:00-12:00	Plenary Lecture 2	ROOM I
	Chair persons: George Kostopoulos, Costas Papatheodoropoulos Nikos Logothetis: NET-fMRI of Large-Scale brain networks: Mapping dynamic connectivity during epochs of synaptic and system consolidation	

Friday 9 October 2015

12:00-13:40	Special Interest 1	ROOM I
	Chair person: Esty Shohami Rafi Aviram: Neuro for the Naïve – Developing Outreach Programs at the Edmond and Lily Safra Center for Brain Science	
12:00-13:40	Special Interest 2	ROOM II
	Chair persons: Monica di Luca, Michalis Koutsilieris Roberto Caminiti: Transparency in animal research and its cost	

Saturday 10 October 2015

12:00-13:40 **Symposium 13****ROOM III****Neuroinflammation and neuroprotection in the CNS**Chair person: **Marianne Schultzberg**, **Nadezda Nedeljkovic**

- L1 **Marianne Schultzberg**: Inflammation and its resolution – studies in Alzheimer's disease
- L2 **Talma Brenner**: $\alpha 7$ nicotinic acetylcholine receptor and RIC-3 in the cholinergic anti-inflammatory pathway
- L3 **Probert Lesley**: The multifaceted contribution of TNF-NF- κ B signaling in CNS during health and disease.
- L4 **Nadezda Nedeljkovic**: Ectonucleotidases in neuroinflammation
- L5 **Dimitrios Karussis**: Stem cell therapies in neuroinflammatory and neuro-degenerative diseases: The evidence and the promise

12:00-13:40 **Symposium 14****ROOM IV****Development of the cerebral cortex and retina**Chair person: **Nada Zecevic**, **Sanja Ivkovic**

- L1 **Nada Zecevic**: Cortical Interneuron development in primates
- L2 **Nevena Radonjic**: Sonic hedgehog: The role of ventral morphogen in the developing human cortex?
- L3 **Desanka Milanovic**: Elucidation of molecular mechanisms underlying propofol-anesthesia toxicity in the developing brain
- L4 **Sanja Ivkovic**: Continuous EGF signaling in postnatal retina leads to the increase in the number of photoreceptor progenitors
- L5 **Pavle Andjus**: Enriched environment, brain plasticity and the role of tenascin C in postnatal development

13:40- 15:15 **Lunch Break – Poster Session 1**15:15-16:55 **Symposium 15****ROOM I****Spinal Cord circuitry and Locomotion**Chair persons: **Maria Albani**, **Urzula Slawinska**

- L1 **Athanasios Chatzisetiriou**: Improving locomotion after spinal cord injury
- L2 **Urszula Slawinska**: How to activate the spinal circuitry for walking in paraplegic rats?
- L3 **Maria Knikou**: Metamorphosis of human spinal neuronal networks after locomotor training

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

15:15-16:55 **Symposium 16** **ROOM II**

Targeting Neurodegenerative diseases: from bench to bedside.

Chair person: **Orly Weinreb**

- L1 **Ioannis Sotiropoulos:** Ab and Tau therapeutics in stress-driven brain pathology: exploring the path from depression to Alzheimer's disease
- L2 **Ilana Gozes:** Tau protein as a converging target of synaptic protection and pathology: novel evidence beyond Alzheimer's disease.
- L3 **Orly Weinreb:** Multimodal neuroprotective iron chelators: Novel therapeutic strategy for Parkinson's disease
- L4 **Danny Offen:** Gene therapy enhancing the glutamate uptake system delays symptom onset and prolonged survival in a mouse model of ALS

Thursday 8 October 2015

15:15-16:55 **Symposium 17/ ROOM III**

Brain signal analysis

Chair person: **Gary Green, Panos Bamidis**

- L1 **Gary Green:** MEG analysis of brain activity: IT tools, methodologies and recent results
- L2 **Tal Dotan Ben-Soussan:** From sensorimotor activation and connectivity to cognition: The Quadrato motor training model
- L3 **Panos Bamidis:** Analysing data from affective neuroscience protocols
- L4 **Nikos Laskaris:** MINEd Graphs from time-resolved functional brain connectomics'

Friday 9 October 2015

15:15-16:55 **Symposium 18** **ROOM IV**

Inhibitory synaptic plasticity and its role in CNS pathologies

Chair persons: **Miho Terunuma, Stephen Moss**

- L1 **Stephen Moss:** Neurosteroid regulation of GABAAR membrane trafficking and its contribution to autism spectrum disorders
- L2 **Sabine Lévi:** Rapid control of KCC2 co-transporter membrane dynamics, stability and function by excitation and inhibition
- L3 **Miho Terunuma:** Altered GABAB receptor function by obesity-associated metabolic stress
- L4 **Theofilos Papadopoulos:** Phosphoinositide-dependent activation of Collybistin - from inhibitory postsynapse formation to epilepsy and mental retardation.

Saturday 10 October 2015

16:55- 17:35 **Hot Topic 1** **ROOM I**

Chair person: **Spyros Efthymiopoulos**

Moussa Youdim: Why multi target neurorestorative drugs for Parkinson's and Alzheimer's diseases

17:35-18:35 **HSN General Assembly** **ROOM II**



Friday

9 October

2 0 1 5

09:00- 10:40 **Symposium 19 / ROOM I****Animal models in CNS**Chair person: **Maria Albani**

- L1 **Hans Lassmann:** Animal models for CNS demyelinating disorders
- L2 **Linda Greensmith:** Animal models of amyotrophic lateral sclerosis
- L3 **Ada Mitsacos:** Receptor studies and transplantations in mouse models of Parkinson's disease
- L4 **Nikolaos Grigoriadis:** CNS stem cells

09:00- 10:40 **Symposium 20****ROOM II****Cellular and molecular mechanisms of synaptic plasticity and memory**Chair person: **Mike Stewart**

- L1 **Kasia Radwanska:** Mechanism for long-term memory formation when synaptic strengthening is impaired
- L2 **Kobi Rozenblum:** From molecular and cellular mechanisms Underlying Cortical-Dependent Memories to Cognitive Enhancers
- L3 **Mike Stewart:** Morphological alterations in spines and synapses following behavioural manipulations in young and old mice
- L4 **Peter Giese:** A Novel Mechanism Underlying Long-term Memory Formation: Generation of Multi-Innervated Dendritic Spines

09:00- 10:40 **Symposium 21****ROOM III****Molecular mechanisms of social behavior**Chair person: **Jelena Radulovic , Evan Elliott**

- L1 **Inga Neumann:** Brain oxytocin in rodent social behaviours: from social preference to social fear"
- L2 **Jelena Radulovic:** Role of oxytocin receptors in the regulation of discrete social behaviors: Relationship to mGluR5
- L3 **Fotini Stylianopoulou:** Denial of the reward of maternal contact affects social behavior and the serotonergic system of the adult rat brain
- L4 **Miroslav Adzic:** Effects of social stress and antidepressants on the glucocorticoid receptor phosphorylation status: linking stress to depression
- L5 **Shlomo Wagner:** Interaction between oxytocin and urocortin-3 in the medial amygdala determines synaptic plasticity and social recognition memory

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

10:40- 11:00 **Coffee Break**

11:00 -12:00 **Plenary Lecture 3**

ROOM I

Chair person: **Efstratios Kosmidis , Panayiota Poirazi**

Sean Hill: The Human Brain Project

12:00- 13:40 **Special Interest 3**

ROOM I

What does FENS for you? Meeting on excellent training opportunities

L1 **Menno Witter:** Welcome and introduction

L2 **Alicja Puścian:** Better together - efficient assessment of social interactions in rodents

L3 **Lucia Sacheli:** Social grasps along development: from Italy to The Netherlands, a joint-action study on preschooler and adults

L4 **NTBA:** Cajal training course awardee:

L5 **Marija Stanojevic:** ELECTRAIN 2015 – dulce cum utili

L6 **Menno Witter:** What are the training activities of FENS

Thursday 8 October 2015

12:00- 13:40 **Special Interest 4**

ROOM II

Chair persons: **Lorenzo Lorusso, Lazaros C. Triarhou**
History of Neuroscience

L1 **Lorenzo Lorusso:** Chairman's introductory remarks

L2 **Marco Piccolino:** Sands, stars and visions between Archimedes and Galileo

L3 **Lazaros C. Triarhou:** Curtailed aspects of Cajal's tips on scientific research: including an audio documentary

L4 **Zoltán Molnár:** Sherrington's box of wonders: the recently rediscovered histological slides of Sir Charles

L5 **Regional Society Presidents**

Friday 9 October 2015

Saturday 10 October 2015



S C I E N T I F I C P R O G R A M

12:00- 13:40 **Symposium 22****ROOM III****The brainstem - from development to function**Chair person: **Dalit Sela-Donenfeld , Yosef Yarom**

- L1 **David Wilkinson:** Regulation of hindbrain boundary formation and neurogenesis
- L2 **Dalit Sela-Donenfeld:** Decoding the connectome formation of the auditory and ION hindbrain neurons
- L3 **Hans Gerd Nothwang:** Evolutionary development of sound localization circuits
- L4 **Eyal Wigderson:** Early multimodal integration in the auditory brainstem
- L5 **Yosef Yarom:** Timing in the ION-cerebellar circuit

12:00- 13:40 **Symposium 23****ROOM IV****Locus Coeruleus: new light on old neurons**Chair person: **Menaheem Segal**

- L1 **Menaheem Segal:** Noradrenergic modulation of Hippocampal plasticity
- L2 **Yuval Nir:** The locus coeruleus-noradrenaline system and sensory processing in sleep/wakefulness
- L3 **Ofer Yizhar:** Noradrenergic modulation of prefrontal cortical function
- L4 **Antoine Adamantidis:** Optogenetic dissection of arousal circuits in the brain
- L5 **Susan Sara:** Locus coeruleus in time with forebrain oscillations: implication for memory processing.

13:40- 15:15 **Lunch Break – Poster Session 2**15:15-15:55 **Hot Topic 2****ROOM I**Chair person: **Illana Gozes****Marshall Devor:** Neural basis for loss of consciousness during anesthesia and anesthesia-like states

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

15:55- 17:35 **Symposium 24**

ROOM I

Behavioral aspects in animal models. Environmental manipulations and pharmacological intervention.

Chair person: **Brenda J Anderson**

- L1 **Brenda J Anderson:** Adaptations to repeated unpredictable threats in a chronic living environment: A double edged sword
- L2 **Philippos Karalis:** Cognitive and behavioral consequences of neonatal hypoxia-ischemia of the brain: the effect of therapeutic interventions
- L3 **Despina Tata:** Interaction of postnatal stress and neonatal hypoxia-ischemia on behavior and markers of brain plasticity
- L4 **Evgenia Dandi:** The role of environmental enrichment on stress reactivity and behaviour following maternal separation

Thursday 8 October 2015

15:55- 17:35 **Symposium 25**

ROOM II

Nicotinic acetylcholine receptors: From genes and synapses to networks and cognition

Chair persons: **Eleni Konsolaki, Irini Skaliara**

- L1 **Huibert Mansvelder:** Nicotinic receptors in rodent and human cortical circuits
- L2 **Mario Marchi:** Functional interaction between nicotinic and glutamatergic receptors at nerve terminal level: a fine tuning of synaptic signals
- L3 **Uwe Maskos:** Crucial role of CHRNA5 in drug addiction and cognition
- L4 **Charalambos Sigalas:** Nicotinic modulation of cortical network activity and cognitive processes

Friday 9 October 2015

15:55- 17:35 **Symposium 26**

ROOM III

The impact of receptor-receptor interactions on brain plasticity

Chair person: **Dasiel O. Borroto-Escuela**

- L1 **Fang Liu:** Targeting protein-protein interaction to develop novel therapeutics for the treatment of schizophrenia
- L2 **Marc Flajolet:** When G-protein coupled receptors and tyrosine kinase receptors collide into one world of signaling
- L3 **Eero Castrén:** Neurotrophin receptor TrkB interacting proteins in neuronal plasticity
- L4 **Kjell Fuxe:** Changes in GPCR heteroreceptor complexes as a molecular basis for schizophrenia and depression and their treatment
- L5 **Dasiel O. Borroto-Escuela:** Allosteric receptor-receptor interactions in GPCR-RTK heteroreceptor complexes. Relevance for brain plasticity

Saturday 10 October 2015



S C I E N T I F I C P R O G R A M

15:55- 17:35 **Symposium 27****ROOM IV****Innovative technologies for biomarker discovery in neuroscience**Chair persons: **Anthony Tsarbopoulos, Michaela Filiou**

- L1 **Anthony Tsarbopoulos:** Use of MS-based methodologies for screening bioactive compounds as anti-amyloidogenic agents and identifying new AD biomarkers
- L2 **Michaela Filiou:** Revealing protein expression and turnover changes in psychiatric disorders by 15N metabolic labeling and multi-isotope imaging MS.
- L3 **Evangelos Gikas:** Metabololism and metabolomics using MS: a powerful tool for neuroscience
- L4 **Michalis Aivaliotis:** Decoding systems-wide signaling pathways by MS-based quantitative phosphoproteomics to unravel disease mechanisms

17:35-18:15 **Hot Topic 3****ROOM I**Chair person: **Dejan Zecevic, Efstratios Kosmidis****Lawrence Cohen:** Imag(in)ing the future of optical recording of membrane potential18:15- 19:15 **Special Interest 5****ROOM I****EJN BEST PUBLICATION AWARD**Chair person: **NTBA****Silvina Diaz:** Paradoxical increase in survival of newborn neurons in the dentate gyrus of mice with constitutive depletion of serotonin.

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015

Saturday 10 October 2 0 1 5

09:00- 10:40 **Symposium 28** ROOM I

Mechanisms of alpha-synuclein-mediated neurotoxicity and therapeutic implications

Chair persons: **Leonidas Stefanis, Ivanka Markovic**

L1 **Katerina Paleologou:** The effect of α -synuclein mutations on Serine 129 phosphorylation

L2 **Leonidas Stefanis:** Alpha-synuclein degradation: an opportunity for therapeutic intervention

L3 **Ivanka Markovic:** The protective role of AMP-activated protein kinase in alpha-synuclein neurotoxicity in vitro

L4 **Kostas Vekrellis:** Extracellular alpha-synuclein: the spreading menace

L5 **Nadia Stefanova:** Animal models of Multiple System Atrophy based on the alpha-synucleinopathy concept: Insights into pathophysiology and treatment

09:00- 10:40 **Symposium 29** ROOM II

Common mechanisms in pathophysiology of neurodegenerative disorders

Chair persons: **Christina Dalla, Ioannis Sotiropoulos**

L1 **Christina Dalla:** Sex-dependent brain vulnerability to neuropsychiatric and neurodegenerative disorders

L2 **Ehud Cohen:** Cyclophilin malfunction underlies the development of distinct late-onset, neurodegenerative maladies"

L3 **Adrian Israelson:** Misfolded SOD1 as a therapeutic target in amyotrophic lateral sclerosis

L4 **Ioannis Charalampopoulos:** Novel synthetic microneurotrophins as neuroprotective and neurogenic agents"

09:00- 10:40 **Symposium 30** ROOM III

GABA circuits in embryonic and postnatal development of the central nervous system

Chair persons: **Domna Karagogeos, Kyriaki Sidiropoulou**

L1 **Myrto Denaxa:** Molecular cascades controlling the development and function of inhibitory cortical networks

L2 **Christin Metin:** Molecular control of interneuron migration: signaling in the leading edge and in the primary cilium.

L3 **Rhiannon Meredith:** Maturation of GABA-A inhibition in both 'neurotypical' wildtype mice and mouse models for neurodisorders.



S C I E N T I F I C P R O G R A M

L4 **Kyriaki Sidiropoulou & Domna Karagogeos:** Genetic models of decreased GABAergic inhibition in the mouse

09:00- 10:40 **Symposium 31**

ROOM IV

Real-time optical Imaging; from a single spine to the intact brain

Chair persons: **Dejan Zecevic, Amiram Grinvald**

L1 **Dejan Zecevic:** Subthreshold electrical signaling in dendritic spines: a voltage-imaging study

L2 **Amiram Grinvald:** Real-time VSD based optical Imaging revealed the bi-directional interactions of on-going activity and sensory-evoked activity.

L3 **Bradley Baker:** Mechanistic studies of the fluorescence change of a genetically encoded voltage indicator

L4 **Marco Canepari:** The physiological synergistic activation of dendritic voltage-gated calcium channels

10:40- 11:00 **Coffee Break**

11:00- 12:00 **Plenary Lecture 4**

ROOM I

Chair person: **Nikos Grigoriadis**

Evan Snyder: Cross-talk between stem cells and the neurodegenerative environment

12:00-13:40 **Special Interest 6**

ROOM I

IBRO Alumni Lecture

Chair person: **Susan J. Sara**

Einat Shetreet: fMRI contribution to theories of language acquisition

12:00-13:40 **Symposium 32**

ROOM II

Diabetes and vascular neurological diseases

Chair persons: **Natan Bornstein, Milija Mijajlovic**

L1 **Milija Mijajlovic:** Insulin resistance and carotid disease

L2 **Natan Bornstein:** Glycemic control in acute stroke

L3 **David Tanne:** Diabetes and stroke & cognitive impairment

L4 **George Ntaios:** Ischaemic stroke in diabetes: is it really a macrovascular complication?

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015



SCIENTIFIC PROGRAM

Wednesday 7 October 2015

12:00-13:40 **Symposium 33** **ROOM III**

From genes to behavior: putting together the puzzle pieces of treatment of mood disorders

Chair person: **Claude Brodski , Miroslav Savic**

- L1 **Claude Brodski:** Abnormal development of monoaminergic neurons is implicated in mood fluctuations and bipolar disorder
- L2 **Miroslav Savic:** Pharmacological elucidation of the role of GABAA receptors in anxiety
- L3 **Marin Jukic:** The involvement of CYP2C19 in stress-induced despair
- L4 **Galila Agam:** Some of lithium's neuroprotective effects are mediated via its modulation of inositol metabolism and autophagy

Thursday 8 October 2015

13:40- 15:15 **Lunch Break – Poster session 3**

15:15-16:55 **Symposium 34** **ROOM I**

Aging and aging-associated diseases

Chair person: **Selma Kanazir , Efstratios Gonos**

- L1 **Silva Hecimovic:** Lysosomal dysfunction in neurodegenerative diseases
- L2 **Roosmarijn Vandenbroucke:** The role of blood-cerebrospinal fluid barrier in aging and Alzheimer's disease
- L3 **Efstathios Gonos:** Proteasome activation as a novel anti-ageing strategy.
- L4 **Selma Kanazir:** Therapeutic interventions to postpone brain aging

Friday 9 October 2015

15:15-16:55 **Symposium 35** **ROOM II**

Active dendritic integration: from computation to behaviour

Chair persons: **Christian Wozny, Stephen R. Williams**

- L1 **Yiota Poirazi:** Linking memories across time via synapse clustering in nonlinear dendrites
- L2 **Christian Wozny:** Role of dendrite-targeting interneurons in shaping dendritic Integration
- L3 **Stephen R. Williams:** Physiologically engaged active dendritic integration in the retina and neocortex
- L4 **Jackie Schiller:** Participation of active dendritic processing in selectivity tuning of cortical neurons

Saturday 10 October 2015



S C I E N T I F I C P R O G R A M

15:15-16:55 **Symposium 36** **ROOM III**

Computational neuroscience: From systems to molecules

Chair person: **Alain Destexhe**

- L1 **Dora Angelaki:** Multisensory integration for heading perception and spatial navigation
- L2 **Alain Destexhe:** Relating multiple scales of neuronal activity, from cellular to mesoscopic levels
- L3 **Khashayar Pakdaman:** Stochasticity in single neuron models
- L4 **Efstathios Kosmidis:** Modeling intracellular pathways

16:55- 17:55 **Hot Topic 4** **ROOM I**

Chair person: **Sabera Ruzdijic, Kiki Thermos**

Marian Joëls: Emerging role of brain mineralcorticoid receptors

17:55-18:55 **Oral Presentation of Posters Winners** **ROOM I**

Chair person: **Rami Yaka**

Wednesday 7 October 2015

Thursday 8 October 2015

Friday 9 October 2015

Saturday 10 October 2015

**FACULTY**

Adamantidis A.	University of Bern, Switzerland
Adzic M.	Vinca Institute, Belgrade, Serbia
Agam G.	Department of Clinical Biochemistry and Pharmacology, Ben-Gurion University of the Negev, Israel
Aivaliotis M.	Institute of Molecular Biology and Biotechnology , Heraklion,Greece
Albani M.	Department of Physiology, Faculty of Medicine, Aristotle University of Thessaloniki , Greece
Amedi A.	Brain Vision Rehab, Hebrew University of Jerusalem, Israel
Amitai G.	Hebrew University of Jerusalem , Israel
Ammassari - Teule M.	Cell Biology and Neurobiology Institute, CNR-National Research Council, Rome , Italy
Anderson B.	"Department of Psychology,Stony Brook University,Stony Brook, New York , USA
Andjus P.	Institute of Physiology and Biochemistry, Faculty of Biology,University of Belgrade, Serbia
Angelaki D.	Department of Neuroscience,Baylor College of Medicine,Houston, Texas ,USA
Aviram R.	Edmond and Lily Safra Center for Brain Sciences, Hebrew University of Jerusalem, Israel
Baker B.	K.I.S.T., S.Korea
Bamidis P.	"Medical School,Faculty of Health Sciences,Aristotle University of Thessaloniki,Greece
Barak S.	School of Psychological Sciences, The Sagol School of Neuroscience, Tel Aviv University, Israel
Bechmann I.	Institute of Anatomy, University of Leipzig,Germany
Ben-Arie N.	Department of Cell & Developmental Biology,Institute of Life Sciences, Hebrew University of Jerusalem, Israel
Binshtok A.	Department of Medical Neurobiology, Institute for Medical Research Israel Canada ,Faculty of Medicine, The Edmond and Lily Safra Center for Brain Sciences ,The Hebrew University, Jerusalem, Israel
Blouin J.	Aix Marseille Université - CNRS, France
Bolam P.	EJN
Bornstein N.	Department of Neurology,Tel Aviv Sourasky Medical Center, TAU, Israel
Borroto Escuela D. O.	"Karolinska Institute,Department of Neuroscience (Fuxe Lab),Stockholm ,Sweden



FACULTY

Brenner T.	Hadassah Medical Center, Hebrew University, Jerusalem, Israel
Brodski C.	Department of Physiology and Cell Biology, Medical School, Ben-Gurion University of the Negev, Israel
Brown R.	Dalhousie University, Canada
Bucci C.	Dept. Biological and Environmental Sciences and Technologies, University of Salento, Lecce, Italy
Calegari F.	“DFG-Center and Cluster of Excellence for Regenerative Therapies, Dresden University of Technology, Dresden, Germany”
Caminiti R.	Department of Physiology and Pharmacology, SAPIENZA University of Rome, Italy
Canepari M.	Equipe MOTIV, Laboratoire Interdisciplinaire de Physique, Université J. Fourier CNRS, France
Castren E.	“Neuroscience Center , University of Helsinki , Finland
Charalampopoulos I.	Department of Pharmacology, Faculty of Medicine, University of Crete, Greece
Chatzistiriou A.	Department of Physiology, Faculty of Medicine, Aristotle University of Thessaloniki, Greece
Chetelat O.	CSEM, Switzerland
Chouvarda I.	Lab of Medical Informatics, Aristotle University of Thessaloniki, Greece
Citri A.	“Department of Biological Chemistry, Institute of Life Sciences & Edmond and Lily Safra Center for Brain Science, Edmond J. Safra Campus at Givat-Ram ,The Hebrew University of Jerusalem, Israel
Cohen E.	Biochemistry and Molecular Biology, The Institute for Medical Research Israel-Canada (IMRIC), School of Medicine, The Hebrew University of Jerusalem, Israel
Cohen L.	Center for Functional Connectomics, Seoul Dept of Physiology, New Haven, CT, Marine Biological Laboratory
Craig C.	Queen’s University, Belfast, Ireland
Dalla C.	Department of Pharmacology, Medical School, University of Athens, Greece
Dandi E.	Postgraduate Program in Cognitive Psychology and Neuropsychology, School of Psychology, Aristotle University of Thessaloniki, Greece
Denaxa M.	Molecular Neurobiology, National Institute for Medical Research, MRC, Mill Hill, London, UK
Destexhe A.	CNRS, UNIC, Gif sur Yvette, France, and the European Institute for Theoretical Neuroscience, Paris.

**F A C U L T Y**

Devor M.	Department of Cell & Developmental Biology, Institute of Life Sciences and the Center for Research on Pain, The Hebrew University of Jerusalem, Jerusalem, Israel
Di Luca M.	University of Milan, Italy
Diaz S.	Institute of Cell Biology and Neurosciences Prof. E. De Robertis, National Council of Science and Technology (CONICET) and University of Buenos Aires (UBA), Buenos Aires, Argentine
Dotan Ben Soussan T.	Research Institute for Neuroscience, Education and Didactics, Patrizio Paoletti Foundation for Development and Communication, Assisi, Italy, The Leslie and Susan Gonda (Goldschmied) Multidisciplinary Brain Research Center, Bar-Ilan, University, Ramat Gan, Israel
Edwards M.	Psychological Sciences Research Institute, Institute of Neuroscience, Université catholique de Louvain, Belgium
Efthymiopoulos S.	University of Athens, Department of Biology, Division of Animal and Human Physiology, Athens, Greece
Filiou M.	Max Planck Institute of Psychiatry, Munich, Germany
Finkelman H. - E.	Sackler School of Medicine, Tel Aviv University, Israel
Flajolet M.	Laboratory of Molecular and Cellular Neuroscience, The Rockefeller University, New York, U.S.A
Fuxe K.	Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden
Georgopoulos S.	Laboratory of Cellular Neurobiology, Biomedical Research Foundation, Academy of Athens, Greece
Giese P.	Department of Basic and Clinical Neuroscience, Institute of Psychiatry, Psychology and Neuroscience, Kings College, London, UK
Gikas E.	Department of Pharmacy, National and Kapodistrian University of Athens, Greece
Goldstein R.	Department of Medical Neurobiology, Faculty of Medicine, The Hebrew University, Jerusalem, Israel
Gonos E.	National Hellenic Research Foundation, Institute of Biology, Medicinal Chemistry and Biotechnology
Gozes I.	Department of Human Molecular Genetics and Biochemistry, Sackler Faculty of Medicine, Adams Super Center for Brain Studies and Sagol School of Neuroscience, Tel Aviv University
Green G.	York Neuroimaging Centre, University of York, UK
Greensmith L.	Sobell Department of Motor Neuroscience and Movement Disorders, The Graham Watts Senior Research Fellow, UCL Institute of Neurology, London, UK



FACULTY

Grigoriadis N.	Laboratory of Experimental Neurology and Neuroimmunology, 2nd Department of Neurology AHEPA University Hospital, Aristotle University of Thessaloniki, Greece
Grinvald A.	The Weizmann Institute of Science, Rehovot, Israel
Guillemot F.	The Francis Crick Institute Mill Hill Laboratory, London, UK
Hanani M.	Laboratory of Experimental Surgery, Hadassah-Hebrew University Medical Center, Mount Scopus, Jerusalem, Israel
Hatzitaki V.	Motor Control and Learning Laboratory, Dep. of Phys. Education and Sport Science, Aristotle University of Thessaloniki, Thessaloniki, Greece
Hecimovic S.	Division of Molecular Medicine, Rudjer Boskovic Institute, Croatia
Hill S.	Blue Brain Project (BBP), Neuroinformatics in the Human Brain Project (HBP), Ecole Polytechnique Federale de Lausanne (EPFL)
Hochstein S.	Hebrew University of Jerusalem, Israel
Israelson A.	Department of Physiology and Cell Biology, Ben-Gurion University of the Negev, Israel.
Ivkovic S.	Institute from Molecular Medicine, Lisbon, Portugal
Joels M.	Brain Center Rudolf Magnus, Universitair Medisch Centrum Utrecht, Netherlands
Jukic M.	Pharmacogenetics Section, Department of Physiology and Pharmacology, Karolinska Institutet, Stockholm, Sweden
Kanazir S.	Department of Neurobiology, Institute for Biological Research, University of Belgrade, Serbia
Karagogeos D.	IMBB-FORTH and Faculty of Medicine, Univ of Crete, Greece
Karalis F.	Experimental Physiology Laboratory, Medical School, Aristotle University of Thessaloniki, Greece
Karussis D.	Hadassah Medical Center, Hebrew University, Jerusalem, Israel
Knikou M.	Graduate Center of the City University of New York, Department of Physical Therapy, College of Staten Island, Physical Medicine and Rehabilitation, Northwestern University, Rehabilitation Institute of Chicago, Sensory Motor Performance Program
Konsolaki E.	Deree - The American College of Greece
Kosmidis E.	Department of Physiology, Aristotle University of Thessaloniki, Greece
Kostopoulos G.	Department of Physiology, Medical School, University of Patras, Greece
Koukouli F.	Neurobiologie Intégrative des Systèmes Cholinergiques CNRS URA 2182 Département de Neurosciences Institut Pasteur 25, Paris

**F A C U L T Y**

Koutsilieris M.	Department of Physiology, Medical School , University of Athens, Greece
Krugers H.	Swammerdam Institute for Life Sciences, SILS-CNS, University of Amsterdam, Amsterdam, The Netherlands
Laskaris N.	AlIA lab, Informatics dept. & NeuroInformatics. GRoup, Aristotle University of Thessaloniki, Greece
Lassmann H.	Center for Brain Research, Medical University of Vienna, Austria
Levi S.	INSERM Institut du Fer a Moulin, Paris, France
Liu F.	Department of Psychiatry, Physiology University of Toronto, Molecular Neuroscience Centre for Addiction and Mental Health ,Toronto, Canada
Logothetis N.	Max Planck Institute for Biological Cybernetics ,Department: Physiology of Cognitive Processes, Tübingen, Germany
Loncarevic-Vasiljkovic N.	Department of Neurobiology, Institute for Biological Research, University of Belgrade,Serbia
Lorusso L.	A.O. "M. Mellini", Chiari (Brescia), Italy
Maglaveras N.	Medical Informatics, Medical School, Aristotle University of Thessaloniki, Greece
Mansvelder H.	Department of Integrative Neurophysiology, Center for Neurogenomics and Cognitive Research (CNCR), Neuroscience Campus Amsterdam, VU University Amsterdam, The Netherlands
Marchi M.	School of Medicine and Pharmacy University of Genoa, Italy
Markovic I.	Institute of Medical and Clinical Biochemistry School of Medicine, University of Belgrade, Serbia
Matsas R.	Cellular and Molecular Neurobiology, Hellenic Pasteur Institute, Athens, Greece
Menzies F.	Cambridge Institute for Medical Research, University of Cambridge, UK.
Meredith R.	Faculty of Earth and Life Sciences (Integrative Neurophysiology), Center for Neurogenomics and Cognitive Research, VU University, Neuroscience Campus Amsterdam, The Netherlands
Metin C.	Institut du Fer à Moulin, INSERM UMR839, University Paris 6, France
Mijajlovic M.	Neurology Clinic,Clinical Center of Serbia and School of Medicine, University of Belgrade, Serbia
Milanovic D.	Department of Neurobiology, Institute for Biological Research , University of Belgrade, Serbia
Mitsacos A.	Medical School, University of Patras, Greece



FACULTY

Monsonogo A.	The Shraga Segal Dept. of Microbiology, Immunology and Genetics, The Faculty of Health Sciences, Ben-Gurion University, Israel
Moss S.	Tufts University, Boston, USA
Mouchnino L.	Lab Neurosciences Cognitives, Aix Marseille Université - CNRS, France
Nedeljkovic N.	Institute of Physiology and Biochemistry, Faculty of Biology, University of Belgrade, Serbia
Neumann I.	University of Regensburg, Regensburg, Germany
Ninkovic J.	Ludwig-Maximilians-University Munich, Germany
Nir Y.	Sagol School of Neuroscience & Department of Physiology and Pharmacology, Sackler School of Medicine Tel Aviv University, Israel
Nothwang H. G.	Neurogenetics, Carl von Ossietzky Universität Oldenburg, Germany
Ntaios G.	Department of Medicine, Medical School, University of Thessaly, Larissa, Greece
Offen D.	Felsenstein Medical Research Center, Tel Aviv University, Israel
O'Keefe J.	Sainsbury Wellcome Centre for Neural Circuits and Behaviour and the Research Department of Cell and Developmental Biology at University College London, UK
Paas Y.	The Mina and Everard Goodman Faculty of Life Sciences Institute of Nanotechnology and Advanced Materials, BAR-ILAN University, Israel
Paget Blanc V.	Istituto Italiano Di Tecnologia, Italy
Pakdaman K.	Institut Jacques Monod, Université Paris, Paris, France
Paleologou K.	Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece
Papadopoulos T.	Department of Molecular Biology, University of Göttingen, Germany
Papastefanaki F.	Cellular and Molecular Neurobiology, Hellenic Pasteur Institute, Athens, Greece
Papatheodoropoulos C.	Department of Physiology, Medical School, University of Patras, GREECE.
Papaxanthis C.	Université de Bourgogne, Dijon, France
Pekovic S.	Department of Neurobiology, Institute for Biological Research, University of Belgrade, Serbia
Piccolino M.	Center of Neurosciences of the University of Ferrara, Italy
Pick C. G.	Department of Anatomy, Sackler School of Medicine, Tel Aviv University, Israel

**FACULTY**

Pinkas-Kramarski R.	Department of Neurobiochemistry, Tel Aviv University, Israel
Pluchino S.	Department of Clinical Neurosciences, Wellcome Trust-Medical, Research Council Stem Cell Institute, University of Cambridge, UK
Poirazi P.	"Institute of Molecular Biology and Biotechnology, Foundation for Research and Technology-Hellas, Heraklion, Crete, Greece
Politis P.	Biomedical Research Foundation Academy of Athens, Greece
Priel A.	The Institute for Drug Research - Pharmacology section, School of Pharmacy, Faculty of Medicine The Hebrew University of Jerusalem, Israel
Probert L.	Laboratory of Molecular Genetics, Hellenic Pasteur Institute, Greece
Psarropoulou C.	Laboratory of Animal & Human Physiology, Department Biological Applications and Technology, Faculty of Health Sciences, University of Ioannina, Ioannina, Greece.
Puscian A.	Nencki Institute of Experimental Biology PAS, Poland
Radonjic N.	Department of Neuroscience, University of Connecticut Health Center, Farmington, USA
Radulovic J.	Department of Psychiatry and Behavioral Neurosciences, Northwestern University, Chicago, USA
Radwanska K.	Nencki Institute, Warsaw
Racic L.	Serbian Academy of Sciences and Arts, Belgrade
Richter Levin G.	The Institute for the Study of Affective Neuroscience, University of Haifa, Israel
Rozenblum K.	Sagol Department of Neurobiology and Center for Gene Manipulation in the Brain, University of Haifa, Israel.
Ruzdijic S.	University of Belgrade, Institute for Biological Research, Department of Neurobiology, Belgrade, Serbia
Sacheli L. M.	Sapienza University of Rome Italy, Department of Psychology, University of Milano-Bicocca, Italy
Sand L.	University of Oxford, United Kingdom
Sandi C.	Brain Mind Institute, Ecole Polytechnique Federale de Lausanne (EPFL), Switzerland
Sara S.	College de France, Paris
Savic M.	Department of Pharmacology, Faculty of Pharmacy, University of Belgrade, Serbia
Schieppati M.	University of Pavia, Italy
Schiller J.	Technion, Israel Institute of Technology, Haifa, Israel



FACULTY

Schlueter O.	European Neuroscience Institute, Gottingen University Medical School and Max-Planck Society
Schultzberg M.	Department of Neurobiology, Care Sciences and Society, Karolinska Institutet, Stockholm, Sweden
Schwartz M.	Department of Neurobiology, The Weizmann Institute of Science, Rehovot Israel
Segal M.	Weizmann Institute, Israel
Sela-Donenfeld D.	Koret School of Veterinary Medicine, The Hebrew University , Rehovot, Israel
Shenhar-Tsarfaty S.	Life Sciences Institute and the Edmond and Lily Safra Center of Brain Science, The Hebrew University of Jerusalem, Givat Ram Jerusalem, Israel.
Shetreet E.	Department of Linguistics, Tel Aviv University, Israel
Shohami E.	Hebrew University of Jerusalem, School of Pharmacy, Israel
Sidiropoulou K.	Department of Biology, University of Crete, Greece
Sigalas C.	Neurophysiology Lab, Biomedical Research Foundation, Academy of Athens, Greece
Silberberg G.	Department of Neuroscience, Karolinska Institute, Stockholm
Silman I.	Department of Neurobiology, Weizmann Institute of Science, Rehovot, Israel
Skaliora I.	Neurophysiology Lab, Biomedical Research Foundation, Academy of Athens, Greece
Slawinska U.	Laboratory of Neuromuscular Plasticity, Warsaw, Poland
Snyder E.	Center for Stem Cell & Regenerative Biology Stem Cell Research Center & Core Facility - Sanford-Burnham Medical Research Institute (SBMRI) ,Dept. of Pediatrics & Biomedical Science Grad Program, UCSD
Sotiropoulos I.	Life and Health Sciences Research Institute (ICVS), School of Health Sciences Campus de Gualtar, University of Minho, Portugal
Spanagel R.	Institute of Psychopharmacology, Central Institute of Mental Health, University of Heidelberg, Medical Faculty Mannheim, Germany.
Stanojevic M.	Institute for Pathological Physiology, School of Medicine, University of Belgrade, Serbia
Stefanis L.	“University of Athens, Medical School, 2nd Department of Neurology, Hospital “Attikon”, Athens, Greece
Stefanova N.	“Department of Neurology, Innsbruck Medical University, Austria”
Stewart M.	Open University, Milton Keynes

**F A C U L T Y**

Stojkovic M.	Faculty of Medical Sciences University of Kragujevac, SPEBO MEDICAL Lescovac, Serbia
Stylianopoulou F.	University of Athens, Greece
Tal Z.	The Hebrew University of Jerusalem, Israel
Tanne D.	Comprehensive Stroke Center and Department of Neurology, Sheba Medical Center, Tel Hashomer, Israel
Tata D.	"School of Psychology ,Aristotle University of Thessaloniki, Greece
Terunuma M.	Department of Neuroscience, Psychology and Behaviour,College of Medicine, Biological Sciences and Psychology,University of Leicester, UK
Thakor N.	National University of Singapore, Singapore Institute for Neurotechnology (SiNAPSE), Singapore
Thermos K.	University of Crete,School of Medicine , Department of Basic Science, Laboratory of Pharmacology, Heraklion, Greece
Triarhou L.	University of Macedonia, Thessaloniki, Greece
Tsakaridis K.	Neapolis University Pafos, Cyprus
Tsarbopoulos A.	University of Athens, Medical School, Department of Pharmacology, Greece Urban N.
Vandenbroucke R.	VIB University of Ghent, Belgium
Vekrellis K.	Biomedical Research Foundation of the Academy of Athens, Greece
Wagner S.	Sagol Department of Neurobiology, University of Haifa, Haifa, Israel
Weinreb O.	Faculty of Medicine, Technion, Israel Institute of Technology, Haifa, Israel
Wigderson E.	Edmond & Lily Safra Center for Brain Sciences (ELSC),Department of Neurobiology, Institute of Life Sciences, The Hebrew University, Jerusalem, Israel
Wilkinson D.	The Francis Crick Institute, Mill Hill Laboratory, The Ridgeway, London, UK
Williams S.	Queensland Brain Institute, Brisbane, Australia
Witter M.	Norwegian University for Science and Technology (NTNU)
Wozny C.	University of Strathclyde, Glasgow, UK
Yaka R.	The Institute for Drug Research, School of Pharmacy, Faculty of Medicine, Hebrew University of Jerusalem
Yarom Y.	The Edmond and Lily Safra Center for Brain Sciences, The Hebrew University, Jerusalem , Israel
Yizhar O.	Department of Neurobiology, Weizmann Institute of Science, Rehovot, Israel

7-10 October 2015

«Ioannis Vellidis» Congress Center, Thessaloniki, Greece



FACULTY

Youdim M.	Eve Topf Centers of Excellence for Neurodegenerative Diseases Research Technion, Faculty of Medicine, Haifa, Israel
Zecevic N.	Department of Neuroscience, University of Connecticut Health Center, Farmington, USA
Zecevic D.	Yale University School of Medicine, Dept Cellular and Molecular Physiology New Haven, USA
Zeharia N.	The Hebrew University of Jerusalem, Israel