

October 17-20, 2016

Golden Center - Buenos Aires, Argentina

2nd FALAN Congress

XV Jornadas de la Sociedad de Neurociencias del Uruguay
XII Reunión Anual de la Sociedad Chilena de Neurociencias
XXXI Congreso Anual de la Sociedad Argentina de Investigación en Neurociencias
XXXIX Reunião Anual da Sociedade Brasileira de Neurociências e Comportamento



Organizers



SCIENTIFIC PROGRAM

Day 1 - October 17, 2016

SCHEDULE	ROOM 1	ROOM 2	ROOM 3
8:30 - 11:00	REGISTRATION		
11:00 - 13:00	Symposium 1 "Novel insights into hypothalamic mechanisms controlling body homeostasis" - Chair: M. Perello	Symposium 2 "Sleep to remember: sleep, memory and consciousness" Chairs: C. Forcato and F. Beijamini	Symposium 3 "Macromolecular signalling complexes in neurons" Chairs: M. Shapiro and F. Barrantes
13:00 - 13:30	BREAK		
13:30 - 15:00	Special Event 1 Meet the professor: "Neurosciences at lunch with a good friend: Prof J. Nichols" Chairs: E. Del-Bel and F. De Miguel		Special Event 2 Symposium: "Neuroscience and Education: Primer time to fill the bridge" Chair: M. Sigman
15:00 - 17:00	Symposium 4 "Professor John G. Nicholls celebration symposium. Function, repair and training of the nervous system" Chairs: E. Del-Bel and F. De Miguel	Symposium 5 "New insights into synaptic plasticity" Chair: A. Rodriguez-Moreno	Symposium 6 "Patient derived induced pluripotent stem like cells as models for neurodegenerative diseases" Chair: L.J. Falomir Lockhart
17:00 - 18:30	OPENING CEREMONY		
18:30 - 19:30	PLENARY LECTURE 1: Larry Swanson (USA): "Architecture of the cortical association network supporting voluntary behavior and cognition"		
19:30	WELCOME RECEPTION		

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SCIENTIFIC PROGRAM

Day 2 - October 18, 2016

	ROOM 1	ROOM 2	ROOM 3	ROOM 4
8:30 - 9:30	Special Lecture 1 Rodrigo Andrade "Using optogenetics to interrogate serotonergic synaptic transmission in the mammalian brain"	Special Lecture 2 Jorge Bergado "Time and timing in neurophysiology. Lessons from synaptic tagging"	Special Lecture 3 Juan Carlos Brenes "Effects of environmental enrichment on brain plasticity, cognition and social communication in rats"	
9:30 - 11:00	POSTER PRESENTATION I			
11:00 - 13:00	Symposium 7 IBRO Alumni Symposium: "Basic and translation research in neurodegenerative disease: from molecules to animal models" Chair: V. Della Maggiora	Symposium 8 "The consequences of memory retrieval: reconsolidation, extinction or nothing at all" Chair: P. Bekinschtein	Symposium 9 "Regulation and function of gap junctions and hemichannels in the nervous system" Chairs: J.C. Saez - A. Pereda	Symposium 10 "Neuromathematics" Chair: A.C. Roque
13:00 - 13:30	B R E A K			
13:30 - 15:00	Special Event 3 Symposium: "Open Science: how to build a lab using modern prototyping tools for non traditional environments" Chair: T. Marzullo	Special Event 4 Symposium: "How can neuroscience research impact the global burden of disease" Chair: P. Valdes-Sosa	Special Event 5 Workshop: "How to get published" Chair: J. Lerma	
15:00 - 17:00	Symposium 11 "Auditory processing from the cochlea to the cortex and back" Chairs: E. Katz and M.E. Gomez Casati	Symposium 12 "New concepts in oligodendrocyte function in neurological diseases" Chairs: B. Fuss and C. Hedin-Pereira	Symposium 13 "ISN Symposium on Neural Control of Appetite - From genes to circuits and behaviour" Chairs: I.E. de Araujo and V.F. Bumaschny	Symposium 14 "Behavioral, neurochemical and molecular approaches to study fear anxiety and posttraumatic stress disorder" Chair: A.M. Gallegos
17:00 - 18:30	POSTER PRESENTATION II			
18:30 - 19:30	Special Lecture 4: Newton Canteras "The many paths to fear"	Special Lecture 5: Zulma Dueñas Gómez "Exploring neuroendocrine mechanisms of sexual dimorphism in early stress response: a translational approach"	Special Lecture 6: Cecilia Hidalgo "Calcium signaling, cellular oxidative tone and synaptic plasticity"	
19:30	SAN Society Meeting	Society Meeting II		

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SCIENTIFIC PROGRAM

Day 3 - October 19, 2016

SCHEDULE	ROOM 1	ROOM 2	ROOM 3	ROOM 4
8:30 - 9:30	Special Lecture 7 Diogo O. Gomes de Souza "Neuroprotective effect of guanosine in experimental models of brain diseases"	Special Lecture 8 Conference Distinction SCN: Nibaldo Inestrosa "Wnt signaling and Alzheimer's Disease"		
9:30 - 11:00	POSTER PRESENTATION III			
11:00 - 13:00	Symposium 15 "Neurophysiology of temporal processing in the brain" Chairs: P. Agostino and H. Merchant	Symposium 16 "Integrative sensory motor function: from motor commands to cognition" Chair: P. Maldonado	Symposium 17 "Cellular and molecular mechanisms of neuronal plasticity" Chairs: F. Rossi - N. Viturera	Symposium 18 "New approaches to treat drug addiction" Chair: H. Tannhauser Barros
13:00 - 14:00	B R E A K			
14:00 - 15:00	FENS PLENARY LECTURE 2: Pierre Magistretti: "Neuron- glia metabolic coupling : roles in plasticity and neuroprotection"			
15:00 - 17:00	Symposium 19 Young Investigators Symposia I	Symposium 20 "Neuroimmunoendocrinology of the circadian system" Chair: D. Golombek	Symposium 21 "Dopamine neurons: connectivity, functional connectivity and susceptibility" Chair: J. P. Bolam	Symposium 22 "Neurosteroids, cardioestrogens and oxidative cell signalling as target in neuroinflammation and possible role in neurodegenerative disease" Chairs: F. Benetti
17:00 - 18:30	POSTER PRESENTATION IV			
18:30 - 19:30	Special Lecture 9 R. Caputto Conference: Jorge Medina "Modulation of the duration of aversive and appetitive memories"		Special Lecture 10 Clemente Estable Conference: José Roberto Sotelo "Schwann cell to axon RNA transfer"	
19:30 >>>	Society Meeting III	Society Meeting IV		

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SCIENTIFIC PROGRAM

Day 4 - October 20, 2016

SCHEDULE	ROOM 1	ROOM 2	ROOM 3
8:30 - 9:30	Special Lecture 11 E. de Robertis Conference: Alejandro Schinder "Activity and Neurogenesis-mediated Circuit Remodeling in the Hippocampus"	Special Lecture 12 Elio Garcia Austt Conference: Pablo Torterolo "Melanin concentrating hormone in mesopontine raphe nuclei: role in REM sleep and depression"	Special Lecture 13 Mitchell Valdes-Sosa "Neural mechanisms for the configuration of selective attention"
9:30 - 11:00	POSTER PRESENTATION V		
11:00 - 13:00	Symposium 23 "Epigenetics: memory, social stress and transgenerational inheritance" Chairs: E.T. Cánepa and M. Chertoff	Symposium 24 "The interplay of neuronal activity, synaptogenesis and plasticity" Chair: D. Refojo	Symposium 25 "The glial cell-neuron regulatory cross talk" Chair: R. von Bernhardt
13:00 - 13:30	B R E A K		
13:30 - 15:00	Special Event 6 "Latin American Brain Mapping Network" LABMAN - Chair: V. della Maggiore	Special Event 7 Workshop: "Submitting your work to an international journal: the peer review system and what we expect in a good paper" - Chair: P. Bolam	
15:00 - 17:00	Symposium 26 Young Investigators Symposia II	Symposium 27 "Parkinsons disease: from neuronal death to therapeutics" Chairs: J. Ferrario and G. Murer	Symposium 28 "Neuroframes symposium - Freud revisited: computational psychiatry" Chair: J. Sitt
17:00 - 18:30	POSTER PRESENTATION VI		
18:30 - 19:30	PLENARY LECTURE 3: Carlos Belmonte (Spain): "TRP channels, an early alert system for environmental challenges"		
19:30 >>>	CLOSING CEREMONY		
	PARTY!!!		

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SATELLITE EVENTS - FALAN PRE-CONGRESS

Saturday 15 October

Motorized stereotaxic neurosurgery for chronic electrophysiological recordings in rodents

Motorized stereotaxic neurosurgery and electrophysiological recordings combined with behavior research is fundamental to understand basic mechanisms and develop new approaches in neuroscience and neuroengineering. This workshop will explore those advanced scientific tools mainly for young students interested in how to use in future projects.

We encourage young students facing difficulties in how to use such tools to investigate the nervous system electrophysiology to book early, as places are limited due to the hands on. To apply you need a valid Falan Congress registration and the participants will be selected accordingly with CV and letter of interest.

Location: Centro Cultural de la Ciencia

Time: 8:00 – 13:00

Program:

Motorized stereotaxic neurosurgery for chronic electrophysiological recordings in rodents

8:00 stereotaxic neurosurgery planning

9:00 reference planes, craniotomy, electrode implants and microinjection

10:00 – 10:15 coffee break

10:15 Acute and Chronic Electrophysiological Recording

11:00 Hands on Motorized stereotaxic neurosurgery

12:00 Hands on Electrophysiological Recording

13:00 end

Lecturers:

Andrea Milena Garcia, PhD (Facultad de Psicología, Universidad de La Sabana, Colombia)

Edgard Morya, PhD (Edmond and Lily Safra International Neuroscience Institute, Santos Dumont Institute, Brazil)

To apply, send us the PDF that you received attached to the automatic email when you registered to FALAN, with your CV and letter of interest to jackson@brainsupport.com.br.

This pre-congress course will be free but the participants will be selected accordingly with CV and letter of interest.

SBNeC SATELLITE SYMPOSIUM – Brain Diseases: Neuroenergetics and Neuroprotection

Chair: Diogo Onofre Gomes de Souza, Universidade Federal do Rio Grande do Sul Department: Biochemistry, Brazil

Date: October 15th, 2016

Time: 9:00 12:30

Location: Facultad de Ciencias Exactas y Naturales de la UBA, Ciudad Universitaria, Pabellón 2 (Room to be defined)

Recent advances in neuroenergetics have highlighted the importance of neuronastrocyte metabolic interactions. Astrocytes contribute to a variety of neuronal functions, including synapse formation and plasticity, energetic support and redox status. Disturbances of these neuron-astrocyte interactions are likely to play an important role in brain diseases. This Symposium will discuss a wide range of approaches in this theme.

Programa SS_FALAN 2016_SBNeC:

http://www.saneurociencias.org.ar/wp-content/uploads/2016/04/Programa-SS_FALAN-2016_SBNeC.pdf

The role of astrocyte alterations in early changes in the dynamics of cultured cerebellar networks

Chair: Ari Barzilai, Department of Neurobiology, George S. Wise, Faculty of Life Sciences; Sagol School of Neuroscience, Tel-Aviv University, Israel. Barzilai-short CV-IBRO-Boenos Aires-18.2.16:

<http://www.saneurociencias.org.ar/wp-content/uploads/2016/04/Barzilai-short-CV-IBRO-Boenos-Aires-18.2.16.pdf>

Date: October 15th, 2016

Time: 9:00 12:30

Location: Facultad de Ciencias Exactas y Naturales de la UBA, Ciudad Universitaria, Pabellón 2 (Room to be announced)

Abstract:

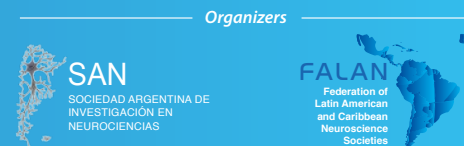
<http://www.saneurociencias.org.ar/wp-content/uploads/2016/04/Abstract.pdf>

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SATELLITE EVENTS - FALAN PRE-CONGRESS

Sunday **16** October

CURSO SAN: "The doors of memory: The role of sleep on memory formation and modification"

Organizes: Dr. Cecilia Forcato (Argentina) - Dr. Felipe Bejjani (Brazil)

Venue: Universidad Nacional de Quilmes (UNQ), Departamento de Ciencia y Tecnología Roque Sáenz Peña 352, (1876) Bernal, Buenos Aires.

Date: Octubre 16

Programme:

<http://www.saneurociencias.org.ar/wp-content/uploads/2016/04/Satellite-event-FALAN-October-20161.pdf>

Purpose and nature of the course

This is the first Latin American Meeting of Sleep and Memory dealing with one of the most frontier topics in Neuroscience: the role of sleep in memory formation and modification. It will be held in the National University of Quilmes (UNQ), Buenos Aires on 16th October 2016 as a Satellite Event of the FALAN 2016 (Federation of Latin America and Caribbean Neuroscience, <http://falan-ibrolarc.org/drupal/es>). It counts with the support of the International Brain Research Organization (IBRO),

Brazilian Sleep Society, the Brazilian Society of Neuroscience and Behaviour, the National University of Quilmes (UNQ), and the Argentinian Society of Neuroscience.

The aims of the meeting are:

- 1) To discuss theories and current results about the role of sleep in memory, as well as its application in education and psychotherapy in Latin America;
- 2) To promote the development of new lines of research in the region as well as making networking between Latin American Countries and also with countries outside the region and to strengthen the already established collaboration with Europe and North America;
- 3) To promote the participation of students and researchers generating a space for discussion and integration of the different steps of the scientific carrier;
- 4) To provide a space, outside the conference, for the students that are beginning the scientific carrier to reach the experts in an informal environment (lunch, cheese and wine) promoting the exchange of ideas.

Brain Computer Interface (BCI), Virtual Reality, EyeTraking, VideoSync, EEG analysis and source reconstruction

Date: October 16

Location: Centro Cultural de la Ciencia

Time: 8:00 - 13:00 hs.

80 – Brain Computer Interface: using GAMES with OpenVibe (Brain Support)

40 – EyeTraking and VideoSync (Brain Support / Mangold)

Coffee Breaking

40 – EEG analysis with Analyzer (Brain Products)

20 – EEG statistics with BESA (BESA)

20 – CAP track (Brain Products)

40 – EEG source reconstruction (BESA)

This workshop will explore how to use physiological signals as command to the computer in a virtual reality. It also shows how we can incorporate

data from different devices/variables into a single view and to interpret how our interventions affect the individual from various perspectives. Furthermore, this workshop also targets showing the possible ways of analyzing and compare EEG data.

Students and researchers who have interest in BCI, eye tracker and EEG analysis can benefit from participating in this work shop.

To apply, send us the PDF that you received attached to the automatic email when you registered to FALAN, with your CV and letter of interest to jackson@brainsupport.com.br.

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