



# SAN

SOCIEDAD ARGENTINA DE  
INVESTIGACIÓN EN NEUROCIENCIAS

## XXX CONGRESO ANUAL DE LA SOCIEDAD ARGENTINA DE INVESTIGACION EN NEUROCIENCIAS

### DAY 1: Tuesday September 29<sup>th</sup>

09:00-12:00 Registration

14:15 Welcome by Organizers

14:30-15:30 **Course Closing Lecture** (Room Atlantic)

Chair: **Joaquín Piriz**, Instituto de Fisiología y Biofísica Bernardo Houssay, CONICET, Argentina

*“Reading neural codes in behaving animals, ~1000 neurons at a time”*

**Mark Schnitzer**, Departments of Biological Sciences and of Applied Physics, Stanford School of Medicine, Howard Hughes Medical Institute, USA

15:30-16:00 Coffee break

16:00-18:30 **Symposium 1 & Symposium 2**

**Symposium 1 GADOR Symposium** (Room Atlantic)

*“Technological advances to dissect neural circuits controlling behavior”*

Chair: **M. Sol Fustiñana** and **M. Soledad Esposito**, Friedrich Miescher Institute, Basel, Switzerland

- *“Disinhibition, a circuit mechanism for associative learning”*

**Johannes Letzkus**, Max Planck Institute for Brain Research, Frankfurt, Germany

- *“Temporal stability of aversive memories is determined by Lateral Habenula activity”*

**Joaquín Piriz**, Instituto de Fisiología y Biofísica Bernardo Houssay, CONICET, Argentina

- *“Spontaneous neuronal network dynamics reveals circuit's functional adaptations for behavior”*

**Sebastián A. Romano**, Ecole Normale Supérieure, IBENS, Paris, France

- *“Multitasking of AGRP neurons in metabolism and behavior”*

**Marcelo de Oliveira Dietrich**, Yale School of Medicine, USA

**Symposium 2** (Room Topacio)

***“Glia at the Round Table: Microglia, Oligodendroglia and Astroglia in a Fruitful Dialogue”***

Chair: **Juan María Pasquini**, University of Buenos Aires, School of Pharmacy and Biochemistry, Argentina and **Alberto Javier Ramos**, Instituto de Biología Celular y Neurociencia, Prof. E. De Robertis, UBA-CONICET, Argentina

- ***“Glia and Nervous System Energy Metabolism”***

**Bruce Ransom**, University of Washington, Seattle, USA

- ***“Analysis of myelination and remyelination in the optic nerve”***

**Alain Chedotal**, University of Paris, France

- ***“Atypical astrocytes are present in the ischemic lesions and contribute to the expansion of reactive gliosis”***

**Alberto Javier Ramos**, Instituto de Biología Celular y Neurociencia, Prof. E. De Robertis, UBA-CONICET, Argentina

- ***“Mag as key player of the bi-directional communication between axons and myelin: its impact on postnatal development and disease”***

**Pablo Lopez**, Instituto de Investigación Médica Mercedes y Martín Ferreyra, CONICET, Argentina

18:45-19:30 **Opening Ceremony and Tribute to Past Presidents** (Room Atlantic)

19:30-20:30 **Opening Lecture** (Room Atlantic)

Chair: **Ana Belén Elgoyhen**, Instituto de Investigaciones en Ingeniería Genética y Biología Molecular, Dr Héctor N. Torres, CONICET Argentina

***“Emergence and mechanisms of cognition”***

**György Buzsáki**, The Neuroscience Institute, New York University School of Medicine, New York, USA

21:00 Welcome Reception  
Hotel 13 de Julio

## DAY 2: Wednesday September 30<sup>th</sup>

08:30-11:00 Symposium 3 & Symposium 4

### Symposium 3 (Room Atlantic)

***“2015, The International Year of Light: Superresolution microscopies in Neuroscience”***

Chair: **Francisco Barrantes**, Instituto Investigaciones Biomédicas, UCA-CONICET, Argentina

- ***“Nanoscopy 2.0. Converging and correlative technologies”***

**Alberto Diaspro**, Department of Nanophysics at the Istituto Italiano di Tecnologia, Genova, Italy

- ***“Visualizing the details of neuronal polarity with fluorescence nanoscopy”***

**Fernando Stefani**, Centro de Investigaciones en Bionanociencias, Buenos Aires, Argentina

- ***“Social organization of neurotransmitter receptor nanoclusters”***

**Francisco Barrantes**, Instituto Investigaciones Biomédicas, UCA-CONICET, Argentina

- ***“Resolft microscopy of living cells in the nervous system”***

**Ilaria Testa** - Royal Institute of Technology, Stockholm, Sweden

### Symposium 4 (Room Topacio)

***“Translational approaches to model and treat SNC diseases”***

Chair: **Elena Avale**, Instituto de Investigaciones en Ingeniería Genética y Biología Molecular, Dr Héctor N. Torres, CONICET, Argentina

- ***“Levodopa induced dyskinesias: from classical pharmacology to molecular mechanisms”***

**Oscar Gershanik**, Instituto de Neurociencias de la Fundación Favaloro, Instituto de Investigaciones Farmacológicas, CONICET, Argentina

- ***“Alzheimer’s disease, from a dish to the bed”***

**Gorazd Bernard Stokin**, St. Anne’s University Hospital, Brno, Czech Republic, Division of Neurology, University Medical Centre, Ljubljana, Slovenia

- ***“What Can Movement Circuitry Tell Us About Obesity?”***

**Alexxai Kravitz**, NIDDK, NIDA, USA

- ***“Phenotypic rescue in a mouse model of tauopathy using trans-splicing RNA reprogramming”***

**Elena Avale**, Instituto de Investigaciones en Ingeniería Genética y Biología Molecular, Dr Héctor N. Torres, CONICET, Argentina

11:00-11:30 Coffee break

11:30-13:00 Short Talks by students

13:00-15:30 Lunch Break

- 15:30-16:30 **Eduardo de Robertis Lecture** (Room Atlantic)  
 Chair: **Cecilia Bouzat**, Instituto de Investigaciones Bioquímicas Bahía Blanca, CONICET, Argentina
- “Opioid receptors and brain function - mouse genetic approaches”*  
**Brigitte L Kieffer**, Douglas Research Center, Department of Psychiatry  
 McGill University Montréal, Canada
- 16:30-19:00 Poster Session & Networking  
 16:30-17:45 **ODD NUMBER poster presentation**  
 17:45-19:00 **EVEN NUMBER poster presentation**
- 19:00-21:00 Asamblea Anual SAN

### DAY 3: Thursday October 1<sup>st</sup>

- 08:30-11:00 **Symposium 5 & Symposium 6**

#### **Symposium 5** (Room Atlantic)

##### *“Neurophysiology of conscious states”*

Chair: **Mariano Sigman**, Universidad Torcuato Di Tella and **Jacobo Sitt**, Facultad de Ciencias Exactas y Naturales, UBA

##### - *“Broadband Cortical Desynchronization Underlies the Human Psychedelic State”*

**Robin Carhart-Harris**, University College London, England

##### - *“A metric for mental states: language”*

**Guillermo Cecchi**, IBM, Thomas J. Watson Research Center, Yorktown Heights, USA

##### - *“Putting control back into free will”*

**John Dylan-Haynes**, Bernstein Center for Computational Neuroscience, Berlin, Germany

##### - *“Imaging neural signatures of consciousness: ‘What’, ‘When’, ‘Where’ and ‘How’ does it work?”*

**Lionel Naccache**, ICM Research Center, Paris, France

#### **Symposium 6 ISN Symposium** (Room Topacio)

##### *“Regulation of neuronal ion channels by G protein coupled receptors”*

Chair: **Jesica Raino**, Instituto Multidisciplinario de Biología Celular, CONICET, La Plata, Argentina.

##### - *“Neuronal calcium channels: From one to thousands”*

**Diane Lipscombe**, Brown University, Providence, USA

##### - *“Receptors coupled to Gq modulate ion channels by lipid signaling”*

**Bertil Hille**, Washington University, Seattle, USA

- *“Mechanisms of regulation of neuronal ion channels: organization into signaling microdomains”*

**Mark Shapiro**, University of Texas Health Science Center, San Antonio, USA

- *“New regulation of neuronal calcium channels by G protein coupled receptors constitutive activity”*

**Jesica Raingo**, Instituto Multidisciplinario de Biología Celular, CONICET, La Plata, Argentina

11:00-11:30 Coffee break

11:30-13:00 Young Investigator Symposium

13:00-15:30 Lunch break

15:30-18:00 Poster Session

15:30-16:45 ***EVEN NUMBER poster presentation***

16:45-18:00 ***ODD NUMBER poster presentation***

18:00-19:00 **Ranwell Caputto Lecture** (Room Atlantic)

Chair: **Pedro Bekinschtein**, Instituto de Biología Celular y Neurociencia, Prof. E. De Robertis, UBA-CONICET, Argentina

*“30 years of persistence”*

**Jorge Medina**, Instituto de Biología Celular y Neurociencia, Prof. E. De Robertis, CONICET, Argentina

19:00 Award to Best Talk by Students (Sponsored by Laboratorios ELEA)

Closing Remarks

Meeting Adjourns

21:00 Finger food and Party at Tío Curzio!!!!