

Oral communications

THURSDAY 3rd | 14:30-16:00

Cellular and Molecular Neurobiology OC 1-7 Room Lago

1. Felipe Ignacio Aguayo Abarca (UCHile): Early and long-term effects of stress in male dorsal hippocampus: miRNAomics and behavioral relationship.
2. Bárbara Beatriz Báez (INIMEC-CONICET-UNC): TNFR1a as a transducer molecule for the inhibitory effect of anti-ganglioside antibodies on axon regeneration.
3. Candela Medina (IFIBYNE-CONICET-UBA): Role of actin cytoskeleton dynamics and its modulator Cofilin 1 in fear memory processing.
4. Florencia Martina Soler Garcia (IMBIO-SL-CONICET-UNSL): Climbing fiber patterning is impaired by angiotensin II type 2 receptor blockage on postnatal cerebellum.
5. Malena Herrera Lopez (CIMETSA-IUCBC): hiPSC- and hNPC-derived Extracellular Vesicles: composition and biological activity.
6. Maximiliano Nicolas Rios (CIQUIBIC-CONICET-UNC): Arylalkylamine N-acetyltransferase: Nuclear translocation and potential role in response to blue light in retinal neuron cells.
7. Nadina Ferroni (IQUIBICEN-CONICET-UBA): Protein malnutrition and premature aging: impact on cognitive skills and cellular senescence.

CHAIRS: Alicia Degano and Marcela Brocco.

SATURDAY 5th | 11:00-12:00

Cellular and Molecular Neurobiology OC 8-11 Room Auditorio

8. Paula Andrea Soto (IQUIFIB-CONICET-UBA): Adipose-derived mesenchymal stem cells and magnetic nanoparticles: different tools combined to promote sciatic nerve regeneration after injury.
9. Sofia Gallino (INGEBI-CONICET): Identification of calcium binding sites and structural determinants that regulate potentiation of $\alpha 9\alpha 10$ nicotinic cholinergic receptors.
10. Victoria Rozés-Salvador (INIMEC-CONICET-UNC): SARA involvement in modulating TGF β signaling during neural development.
11. María Gabriela Blanco (INIBIBB-CONICET-UNS): Serotonin (5-HT) and catecholamines (CA) coordinates antagonistic food-related behaviors in *C. elegans*.

Neurochemistry and Neuropharmacology OC 12 Room Auditorio

12. Luciano Paolo Roman Albasini (UCHile): Behavioral and molecular modulation of the stressed glutamatergic synapse by fasudil, a Rho-kinase inhibitor with antidepressant potential.

CHAIRS: Marta Antonelli and Gastón Calfa.

Chronobiology OC 13 Room Lago

13. Juan Ignacio Ispizua (IIBBA-CONICET-FIL): Glial contribution to circadian structural plasticity in pacemaker neurons of *Drosophila melanogaster*.

Cognition, Behavior and Memory OC 14-15 Room Lago

14. Daniela Ramirez Butavand (INCYT-CONICET-INECO): Effects of acute and chronic physical activity on spatial pattern separation in humans.
15. Magdalena Miranda (INCYT-CONICET-INECO): Molecular mechanisms in the DG and CA3 regulate the balance between differentiation and generalization during retrieval in a cue-degraded context.

Computational Neuroscience OC 16 Room Lago

16. Elena Vásquez (IHEM-CONICET-UNCuyo): Dynamics of GABABR signaling: influence of cholesterol and aging.

Sensory Systems OC 17-18 Room Lago

17. Hernán Dieguez (CEFyBO-CONICET-UBA): Melatonin protects the retinal pigmentary epithelium and photoreceptor damage within experimental non-exudative age-related macular degeneration.
18. Luis Ezequiel Boero (INGEBI-CONICET): Noise exposure triggers changes in synaptic function in mammalian hair cells.

CHAIRS: María Ana Contin and Juan Ferrario.

Young investigator lectures

FRIDAY 4th | 14:30-15:30

YIL 1-3 Room Auditorio

1. Juan E Kamienkowski (FCEyN, UBA -CONICET): Parsing a mental program on visual search in natural scenes: Fixation-related brain signatures and models of unitary operations and routines.
2. Carlos Wilson (INIMEC-CONICET, UNC & CIMETSA, IUCBC): The histone methyltransferase G9a promotes axonal growth and neuronal development by regulating the RhoA pathway.
3. Rodrigo Echeveste (FICH-UNL, CONICET & University of Cambridge): Cortical-like dynamics emerge in recurrent neural networks optimized for sampling-based probabilistic inference.

CHAIR: Mariano Bisbal.

YIL 4-6 Room Lago

4. Melina Paula Bordone (FMed-UBA, CEFyBO-CONICET): Fyn knockdown RNA therapy reduces levodopa induced dyskinesia in the 6-hydroxydopamine mice model of Parkinson's disease.
5. María Silvina Marcora (FFyB-UBA, IQUIFIB-CONICET): Iron deficiency via modulation of DMT1 and its effect on CNS physiology in a *Drosophila melanogaster* model.
6. María Constanza Paz (FCQ-UNC, CIBICI-CONICET): Neuronal functionality and vascular integrity alterations in retina of a mouse metabolic syndrome model triggered by long-term fructose intake.

CHAIR: Jeremías Corradi.

Poster sessions

Brain Awareness Week Activities
Cellular and Molecular Neurobiology
Chronobiology
Cognition, Behavior and Memory
Computational Neuroscience
Motor Systems
Neurochemistry and Neuropharmacology
Neuroendocrinology and Neuroimmunology
Sensory Systems
Synaptic Transmission and Excitability

THURSDAY 3rd | 17:30-19:30

EVEN NUMBERS

FRIDAY 4th | 17:30-19:30

ODD NUMBERS



XXXIV Annual Meeting of the Argentine Society for Research in Neuroscience



October 3 – 5, 2019

Hotel Portal del Lago

Villa Carlos Paz – Córdoba



THU OCTOBER 3 rd	
8:30	REGISTRATION
9:00 -11:00	SYMPOSIUM I <i>"New perspectives and mechanisms underlying neurological disorders"</i> <ul style="list-style-type: none"> □ María Soledad Matus (Chile): The integrated stress response in neurodegeneration. □ Laura Morelli (Arg): Is Alzheimer's disease a dementia of neuronal etiology? □ Lionel Muller Igaz (Arg): Role of TDP-43 in neurodegenerative diseases. □ Mauro Costa-Mattioli (USA): Proteostasis networks in brain health and disease: protein synthesis control as a main regulator of protein homeostasis. CHAIRS: Mauricio Galiano and Lionel Muller Igaz.
11:00	COFFEE BREAK
11:30 -12:30	OPENING LECTURE: <i>Wiring up direction-selective circuits in the retina: nature or nurture?</i> Prof. Marla Feller (USA). CHAIR: Antonia Marin Burgin.
12:30	LUNCH WITH ACTIVITIES <i>"The 3Rs in neuroscience research"</i>
14:30 -15:30	SHORT LECTURES <ul style="list-style-type: none"> □ Ethan Buhr (USA): The role of non-canonical opsins on mammalian rhythms in mice. CHAIR: Estela Muñoz. □ Emilio Kropff (Arg): Time and space in the GPS of the brain. CHAIR: Noel Federman.
15:30 -16:00	GENDER AND SCIENCE Verónica de la Fuente. CHAIR: Verónica Murta.
16:00 -17:30	SYMPOSIUM II <i>"Advances in early diagnosis and in experimental therapy of Alzheimer's disease"</i> <ul style="list-style-type: none"> □ Ricardo F. Allegri (Arg): Heading to the presymptomatic diagnosis in Alzheimer's Disease. Biomarkers for Alzheimer's disease: experience in a memory clinic from Latin America. □ Leonardo Romorini (Arg): Familial Alzheimer's disease modeling using a human model of cellular reprogramming. □ Diana A. Jerusalinsky (Arg): Are the Abeta Oligomers a Suitable Therapeutic Target? Sustained Neuronal Expression of an Artificial Antibody selective for ABeta Oligomers protects from Cognitive and Neuronal Alterations. CHAIR: Diana A. Jerusalinsky.
17:30 -19:30	COFFEE BREAK and POSTER SESSION
19:30 -20:30	RANWEL CAPUTTO LECTURE: <i>The brain speaks back to the ear: the efferent olivocochlear system.</i> Prof. Ana Belén Elgoyhen (Arg). CHAIR: Liliana Cancela.
20:30	WELCOME RECEPTION

FRI OCTOBER 4 th	
8:30 -10:30	SYMPOSIUM III <i>"Molecular mechanisms of epigenetics and chromatin remodeling during brain development and aging"</i> <ul style="list-style-type: none"> □ Federico Calegari (Germany): Epigenetic Control of Neural Stem Cells During Corticogenesis. □ Alberto R. Kornblihtt (Arg): Transcriptional control of alternative splicing. □ Mauricio Martín (Arg): Epigenetic consequences of cholesterol loss in the aging brain. □ Tanja Vogel (Germany): Transcriptional control through histone modifications: radial and longitudinal patterning of the developing cerebral cortex. CHAIR: Alejandro Villarreal.
10:30	COFFEE BREAK
11:00 -13:00	SYMPOSIUM IV <i>"First impressions: New roles for perinatal factors governing brain development"</i> <ul style="list-style-type: none"> □ Nancy Forger (USA): The role of parturition in brain development. □ Christine K. Wagner (USA): Synthetic progesterone, neural development, and cognitive behavior: a rodent model investigation of a drug used in human pregnancy. □ Mariela Chertoff (Arg): Cognitive and emotional deficits reflect altered epigenetic mechanisms in hippocampus and amygdala derived from perinatal malnutrition in a mouse model- Reversion with environmental enrichment. □ Carla Cisternas (USA): Developmental changes and sex differences in DNA methylation and demethylation in the postnatal mouse brain. CHAIR: Carla Cisternas.
13:00	LUNCH WITH ACTIVITIES - "Group Photo in Auditorio" <i>"HD Foundation"</i>
14:30 -15:30	YOUNG INVESTIGATOR LECTURES <ul style="list-style-type: none"> YIL 1-3 <i>Room Auditorio</i> YIL 4-6 <i>Room Lago</i>
15:30 -17:30	SYMPOSIUM V <i>"Sexual differences on development and function of CNS"</i> <ul style="list-style-type: none"> □ Lorena Franco (Arg): Sex related differences in the neuronal control of rest and oviposition in <i>Drosophila melanogaster</i>. □ Ximena Caeiro (Arg): Sex differences in blood pressure regulation and body fluid homeostasis: angiotensinergic and vasopressinergic sexual dimorphisms. □ Amaicha Mara Depino (Arg): Sexual differentiation of the brain as a risk factor in the development of autism-related behaviors. □ Andrea Weiner (Arg): Dicer1 is required for pigment cell and craniofacial development in zebrafish. CHAIRS: Mariela Chertoff and María Verónica Baez.
17:30 -19:30	COFFEE BREAK and POSTER SESSION
19:30 -20:30	HÉCTOR MALDONADO LECTURE: <i>Ventral hippocampal projections to the medial prefrontal cortex regulate social memory in mice.</i> Prof. Lucas Pozzo-Miller (USA). CHAIR: Eugenia Pedreira.
20:30	SAN GENERAL ASSEMBLY

SAT

OCTOBER 5th

8:30

-10:30

ISN SYMPOSIUM VI

“Sensory processing and integration in olfactory and tactile systems”

□ Daniel Feldman (USA): Maps and neural codes in whisker somatosensory cortex.

□ Hernán Lopez-Schier (Germany): Processing mechanosensory cues during spatial navigation.

□ Mariana Alonso (France): Distinct granule cell populations are uniquely engaged in odor learning.

□ Antonia Marin-Burgin (Arg): Context and experience dependent representation of olfactory information in the piriform cortex.

CHAIRS: Fernando Locatelli and Matías Goldin.

10:30

COFFEE BREAK

11:00

-12:00

ORAL COMMUNICATIONS

Cellular and Molecular Neurobiology

OC 8-11

Room Auditorio

Neurochemistry and Neuropharmacology

OC 12

Room Auditorio

CHAIRS: Marta Antonelli and Gastón Calfa

Chronobiology

OC 13

Room Lago

Cognition, Behavior and Memory

OC 14-15

Room Lago

Computational Neuroscience

OC 16

Room Lago

Sensory Systems

OC 17-18

Room Lago

CHAIRS: María Ana Contin and Juan Ferrario.

12:00

-13:00

EDUARDO DE ROBERTIS LECTURE:

c-Fos, a dual protein: what we know so far about its lipid activator function in the nervous system.

Prof. Beatriz Caputto (Arg).

CHAIR: Mario E. Guido.

13:00

FAREWELL LUNCH

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SAN

2019