

II Neurobiology Meeting, 2017
Sociedad Mexicana de Bioquímica, A.C.
Querétaro, Qro., México

PROGRAM

SUNDAY, OCTOBER 15

Pre-Meeting Course: “Trending Topics in Neuroscience”

- 11:00-12:00** *Circadian rhythms: connecting metabolism to chromatin*
Lorena Aguilar. Instituto de Investigaciones Biomédicas, UNAM, México
- 12:00-13:00** *Methods to study circRNA regulation and function*
Pedro Miura. Department of Biology, University of Nevada, Reno, USA
- 13:00-14:00** *The Impact of Metabolic Disorders on the Epigenome and Brain Function*
Fernando Gómez Pinilla. Department of Integrative Biology and Physiology, UCLA, USA

14:00-15:00 **Lunch**

- 15:15-16:15** *Novel tools to study adult neurogenesis*
Carmen Vivar. CINVESTAV, México
- 16:15- 17:15** *Two photon excitation microscopy and minature microscopy for the study of neuronal activity in vivo*
Ana María Estrada. UCLA, USA
- 17:15-18:15** *Linking two-photon imaging of neuronal structure and function with behaviour”*
Frank Sengpiel. Cardiff University, United Kingdom

18:30-19:00 **Welcome ceremony**

19:00-20:00 **Opening talk**



Sex differences in the effects of anxiolytic and antidepressant drugs
Alonso Fernández Guasti, CINVESTAV, México

MONDAY, OCTOBER 16

9:00–11:00

**Symposium I
NEUROENDOCRINOLOGY**



Chair: Ignacio Camacho
Facultad de Química, UNAM e Instituto Nacional de Perinatología

I.1 Neural effects of the prolactin/vasoinhibin axis

Carmen Clapp. Instituto de Neurobiología, UNAM, Qro., México

I.2 TRH neurons integrate signals of stress and energy status to modulate metabolism

Patricia Joseph. Instituto de Biotecnología, UNAM, Mor., México

I.3 Sex steroid actions in the amygdala

Alberto Rasia-Filho. Federal University of Rio Grande do Sul, Porto Alegre, Brasil

I.4 Suckling: its behavioral and neuroendocrine consequences beyond lactation

Gabriela González Mariscal. CINVESTAV, Universidad Autónoma de Tlaxcala, México

11:00–11:30

coffee break

11:30 – 12:30

Plenary Lecture



Mechanisms of plasticity in mouse visual cortex

Frank Sengpiel, School of Biosciences, Cardiff University, United Kingdom

12:30 -14:30

Lunch

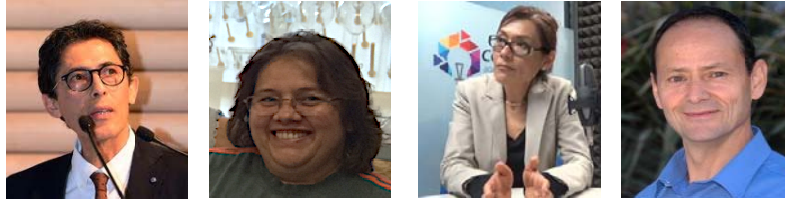
14:30–15:30

Oral Presentations I

Chair: María Isabel Miranda
Instituto de Neurobiología, UNAM

15:30–17:30

Symposium II
NEURODEVELOPMENT



Chair: Diana Escalante
Instituto de Fisiología Celular, UNAM

II.1 Functional determination of the neurogenic capacity of brain cells in the embryo and the adult

Luis Covarrubias. Instituto de Biotecnología, Mor., UNAM, México

II.2 Role of histamine H1 receptor on the telencephalic neurogenesis in a diabetic rat model

Anayansi Molina. Instituto Nacional de Perinatología, CDMX, México

II.3 Molecular aspects of the developing hypothalamus: the role of microRNAs

Leonor Pérez. Instituto de Biotecnología, Mor., UNAM, México

II.4 From ES to neural crest: early segregation of potential

Martín García Castro. University of California, Riverside, USA

17:30 – 19:30

Poster I (Even numbers)

TUESDAY, OCTOBER 17

9:00 – 11:00

Symposium III
THE AGING BRAIN



Chair: Susana Castro
Instituto de Fisiología Celular, UNAM

III.1 Age-accumulation of circRNAs in the brain

Pedro Miura, Department of Biology, University of Nevada, Reno, USA

III.2 Physiological neuronal senescence

Susana Castro, Instituto de Fisiología Celular, UNAM, México

III.3 Inflammation and neuronal dysfunction in Alzheimer's Disease
Gustavo Pedraza, Instituto de Biotecnología, Mor., UNAM, México

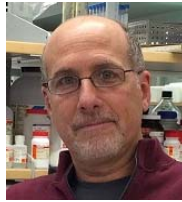
III.4 Unraveling the role of post translational modifications on alpha-synuclein biology and pathobiology
Tiago Fleming Outerio, Department of Experimental Neurodegeneration, University Medical Center Goettingen, Germany

11:00 – 11:30

coffee break

11.30 – 12:30

Plenary Lecture



A zinc-potassium continuum in neuronal cell death
Elias Aizenman. Department of Neurobiology, University of Pittsburgh , USA

12:30 - 14:30

Lunch

14:30 – 15:30

Oral Presentations II

Chair: Ataúlfo Martínez
Instituto de Neurobiología, UNAM

15:30 – 17:30

Symposium IV
PERCEPTION AND NEURAL NETWORKS



Chair: Martha Lilia Escobar
Facultad de Psicología, UNAM

IV.1 Divergent cortical processing of music and speech
Luis Concha. Instituto de Neurobiología, Qro., UNAM, México

IV.2 Neurophysiology of time perception in the primate
Hugo Merchant. Instituto de Neurobiología, Qro., UNAM, México

IV.3 Somatosensory signals in the basal ganglia during the learning and execution of motor habits

Pavel Rueda. Instituto de Neurobiología, Qro., UNAM, México

IV.4 How attention affects visual perception

Marisa Carrasco. Center for Neural Science, NYU, New York, USA

17:30 – 19:30

Poster II (Odd numbers)

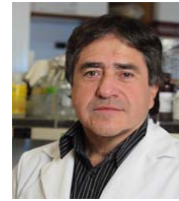
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Business meeting

WEDNESDAY, OCTOBER 18

9:00 – 11:00

Symposium V
NEUROTOXICITY AND NEUROREPAIR



Chair: José Segovia
Cinvestav, México

V.1 Role of motor cortex in the neuropathology of Huntington's disease

Ana María Estrada. UCLA, CA. USA

V.2 Molecular mechanisms underlying Familial Alzheimer's Disease

Lucía Chávez. VIB-KU Leuven Center for Brain & Disease Research, Leuven, Belgium

V.3 Copper binding to the prion protein and the beta amyloid peptide: A wrestling match at the synapse?

Liliana Quintanar. Departamento de Química, CINVESTAV, México.

V.4 The Epidemics of Junk Food and Implications for Brain Repair

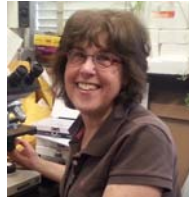
Fernando Gómez Pinilla. Integrative Biology and Physiology. UCLA, CA. USA

11:00 – 11:30

coffee break

11:30 - 12:30

Closing Lecture



Gas6 Signaling as a Requirement for TAMing Inflammation and Enhancing Myelination
Bridget Shafit-Zagardo, Albert Einstein College of Medicine, NY, USA,

12:30 - 14:30

Closing Ceremony