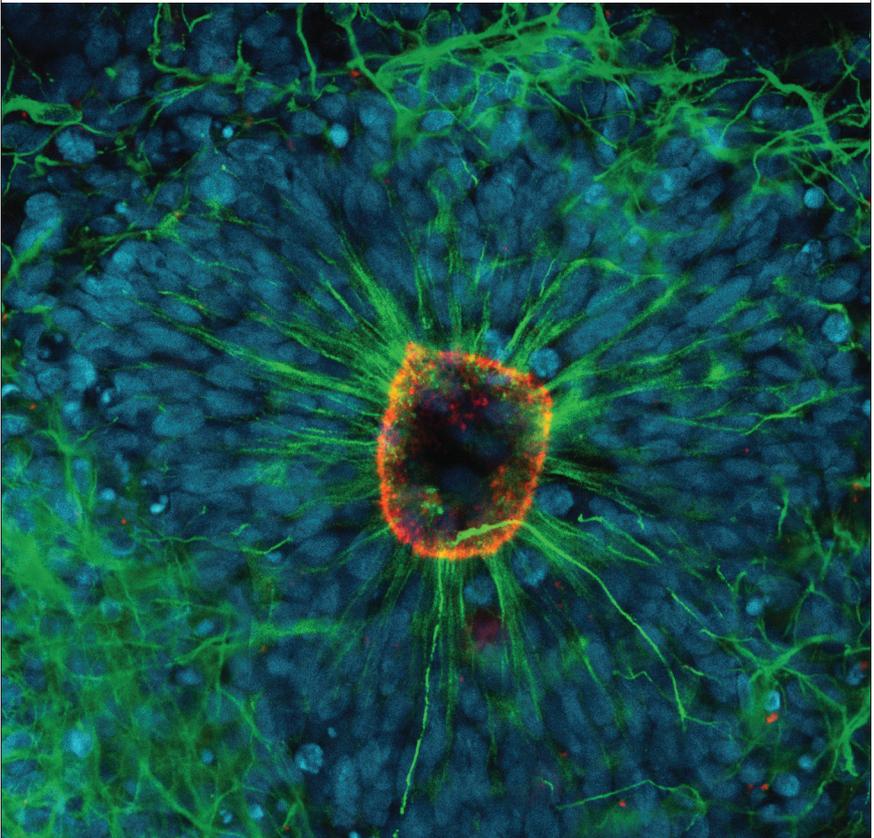




INTERNATIONAL FELLOWS POSTER SESSION

Chicago, Illinois • October 19

McCormick Place: Hall A



Latin American Training Program (LATP)

The Latin American Training Program, funded by SfN and The Grass Foundation, offers a dynamic online program of scientific and professional development opportunities. Top trainees from across the region are selected as Associates to take part in an online course, and fifteen outstanding Associates are selected as Fellows to participate in a three-week, hands-on training course. Fellows also receive support to attend Neuroscience 2019 from the Challenge Grant, funded by longtime SfN member John Simpson, professor emeritus of neuroscience and physiology at New York University, and from The Grass Foundation.

Japan Neuroscience Society (JNS)–SfN Travel Awards

Since 2012, the Japan Neuroscience Society and SfN have collaborated on this joint initiative to encourage scientific exchange between Japan and North America. Five graduate students from Japan are selected to attend the SfN annual meeting, while five students from North America are selected to attend the JNS annual meeting. Selected awardees receive complimentary meeting registration and a cash award to go toward the cost of travel.

SfN-IBRO International Travel Awards

Funded by SfN and selected by the International Brain Research Organization (IBRO), these awards provide recipients with complimentary meeting registration and a cash award to go toward the cost of travel to the annual meeting. Eligible nominees must be low, lower-middle, or upper-middle income as defined by the World Bank; under 35 years of age; and the first author of an abstract to be presented at the annual meeting. Thirty awards will be presented at Neuroscience 2019.

SfN-FENS International Travel Awards

The Federation of European Neuroscience Societies (FENS) and SfN have collaborated on this joint initiative to encourage scientific exchange between North America and Europe. Recipients are offered travel awards to attend their respective meetings bi-annually. In even years, SfN offers travel awards to the FENS Forum while in odd years FENS offers travel awards to the SfN annual meeting. For travel awards to the SfN annual meeting for FENS members, FENS issues a call for applications and notifies selected applicants on the status of their application.

Theme A: Development

Elisa Viveros Araque (Q-1)

Evaluation of neuroligin and FMR1 mRNA expression and memory and locomotion capacity in a sensory-deprivation rearing protocol in *Drosophila melanogaster*

Colombia
LATP

Zeus Gracia-Tabuenca (Q-2)

Topological abnormal load in ADHD functional brain network

Mexico
IBRO

Kent Imaizumi (Q-3)

Recapitulation of the areal patterning in the cerebral cortex by human ESC/iPSC-derived cortical neurons

Japan
JNS

Hideyuki Nakashima (Q-4)

MeCP2-mediated miR-199a processing regulates fate specification of neural stem cells

Japan
JNS

Victoria Rozés-Salvador (Q-5)

SARA participation as a negative regulator of the TGF β signaling pathway during neuronal development

Argentina
IBRO

Kengo Saito (Q-6)

Characterization of fiber layers in the developing cerebral cortex of ferrets and mice

Japan
JNS

Lucas Sosa (Q-7)

The physiological role of the GTPase Rab21 in neuronal migration and the development of the cerebral cortex.

Argentina
IBRO

Ozge Sungur (Q-8)

Behavioral phenotyping of mice deficient for the mammal-specific microRNA 379-410 cluster

Germany
FENS

Theme B: Neural Excitability, Synapses, and Glia

Natalia Giannina Armando (Q-9)

A comparative study of signaling transduction pathways activated downstream CRH receptors.

Argentina
LATP

Reshma Basak (Q-10)

Robust emergence of sharply tuned place cell responses in hippocampal neurons with structural and biophysical heterogeneities

India
IBRO

Lucas Bayonés (Q-11)

Effect of A618T and S619L dynamin-2 mutants in bovine chromaffin cells

Argentina
LATP

Ali Benkherouf (Q-12)

Alcohol enhances hops modulation of GABA(A) receptors

Finland
FENS

Abimbola Idowu (Q-13)

Age-dependent metabotropic glutamate receptor mediated long term depression

Nigeria

IBRO

Eliana Maria Baez Jurado (Q-14)

Conditioned Medium of Human Adipose Mesenchymal Stem Cells Increases Wound Closure and Protects Human Astrocytes Following Scratch Assay In Vitro.

Colombia

LATP

Oscar Alejandro Hidalgo Lanussa (Q-15)

Tibolone Reduces Oxidative Damage and Inflammation in Microglia Stimulated with Palmitic Acid through Mechanisms Involving Estrogen Receptor Beta

Colombia

LATP

Helen Melo (Q-16)

Palmitate increases microglia-derived TNF-alpha levels and impairs hippocampal insulin signaling

Brazil

IBRO

Yorka Munoz (Q-17)

Heterogeneity in marmoset astrocytes

Chile

LATP

Theme C: Neurodegenerative Disorders and Injury

Paula Bellozi (Q-18)

CDPPB prevents neurotoxic effects induced by A 1-42 and improve neuropathological changes in APP transgenic mice

Brazil

IBRO

Hattaya Benya-Aphikul (R-1)

Effects of prenatal methamphetamine exposure on neuronal morphology and synaptogenesis in hippocampal primary cell culture

Thailand

IBRO

Nikhil Choudhary (R-2)

Effect of EMG triggered electrical stimulation with blood flow restriction technique on hand function in stroke survivors—A randomized controlled study

India

IBRO

Danielle Cozachenco (R-3)

mTORC1 signaling in abeta-oligomer-based and transgenic murine models of Alzheimer's disease

Brazil

IBRO

Lina Maria Delgado Garcia (R-4)

Dynamics of reactive astrocytes after brain injury

Colombia

LATP

Gimena Gomez (R-5)

Neuroprotective effect of Yerba Mate (ilex paraguariensis) intake on dopaminergic neurons in a mice model of Parkinson's disease

Argentina

IBRO

Maria Florencia Gonzalez Fleitas (R-6)

Enriched environment housing protects the visual pathway alterations against experimental glaucoma in adult rats.

Argentina

IBRO

Md Salman Hussain (R-7)

Insulin sensitizers and the risk of incident dementia:
A meta-analysis using real-world evidence

India
IBRO

Sofia Ibarburu (R-8)

Post-paralysis treatment with the electrophilic compound EOLO42016 abrogates neuroinflammation and slows disease progression in inherited ALS

Uruguay
IBRO

Miguel Inca Martinez (R-9)

Sequencing known Parkinson's disease genes in Latino PD patients with positive family history from the LARGE-PD consortium

Peru
LATP

Mosunmola Oyeleke-Omotola (R-10)

Assessment of the mechanisms of action of ethanolic extracts of bacopa floribunda and angraecum eichlerianum on amyloid beta (1-42) model of Alzheimer's disease in male wistar rats.

Nigeria
IBRO

Caroline Real (R-11)

[11C]PIB pet imaging can detect white and grey matter demyelination in a non-human primate model of progressive multiple sclerosis

Brazil
IBRO

Katiane Roversi (R-12)

The intranasal MPTP administration in rats: an animal model to study nociceptive alterations in the early stages of Parkinson's disease

Brazil
LATP

Kaori Sato (R-13)

Introduction of deletion mutations associated with Alzheimer's disease into mouse genome

Japan
JNS

Varinder Singh (R-14)

Involvement of serotonin system in antidepressant like effects of quercetin 4'-O-glucoside in mouse model of unpredictable chronic mild stress induced depression

India
IBRO

Saima Zameer (R-15)

Alendronate, an antiresorptive drug, confers neuroprotective effect against Alzheimer's disease like pathological changes in mice induced by high fat diet and aluminium trichloride plus D-galactose

India
IBRO

Theme D: Sensory Systems

Barbara Boerner (R-16)

Alterations of attention to sound in mice with tinnitus

Brazil
LATP

Seif Eldawlatly (R-17)

Encoding Models of Visual and Electrical Stimuli in Rat Lateral Geniculate Nucleus: A Deep Learning Approach

Egypt
IBRO

Volodymyr Krotov (R-18)

Descending control of the spinal lamina X neurons

Ukraine
FENS

Domonkos Pinke (R-19)

Two-photon microscope compatible immersive virtual reality system for mice

Hungary
FENS

Theme E: Motor Systems

Konstantina Kilteni (R-20)

Rapid temporal retuning of internal models after exposure to sensory delays

Sweden
FENS

Theme F: Integrative Physiology and Behavior

Maria Alejandra Bernardi (S-1)

Distinct effects of psychostimulant drugs on the regulation of class IIa HDACs in the mouse mesocorticolimbic and striatal systems

Argentina
IBRO

Silvia Castany-Quintana (S-2)

Maternal presence/absence during early-life immune challenge : effects in pups and dams

Sweden
FENS

Reena Chittora (S-3)

Melatonin and recovery sleep ameliorate anxious behaviour and impairment in hippocampal neurogenesis induced by sleep deprivation.

India
IBRO

Hanafi Damanhuri (S-4)

Effects of age on feeding response: focus on the rostral C1 neuron and its glucoregulatory proteins

Malaysia
IBRO

Fernando Castillo Díaz (S-5)

The role of the D1 dopaminergic receptor on aversive memories durability.

Argentina
LATP

Amalia Floriou-Servou (S-6)

Digging deeper into the molecular effects of acute stress on mouse hippocampus

Switzerland
FENS

Melina Matthiesen (S-7)

Dorsal periaqueductal gray and medial hypothalamus involvement in the panic-modulating effects caused by serotonergic activation of dorsal raphe lateral wings

Brazil
IBRO

Jenny Juliana Banguero Otero (S-8)

Effects on cardiovascular system of murine biomodels using whole metanolic extract of *Psychotria poeppigiana* (Rubiaceae).

Colombia
LATP

Alejandro Borja Grau Perales (S-9)

Auditory context-modulation of taste recognition memory relies on the accumbens hippocampus dopaminergic circuit.

Spain
FENS

Leticia Robles (S-10)

KCa3.1 Activation Via P2Y2 Purinergic Receptors Promotes Human Ovarian Cancer Cell (SKOV-3) Migration

Mexico
LATP

Theme G: Motivation and Emotion

Maria Paula Avalos (S-11)

Minocycline prevents chronic restraint stress-induced cocaine sensitization and morphological changes of microglia within nucleus accumbens core

Argentina
IBRO

Takeshi Sawada (S-12)

Disinhibitory gating of discrimination learning and spine enlargement by dopamine D2 receptors in the nucleus accumbens

Japan
JNS

Carina Soares-Cunha (S-13)

Nucleus accumbens D1- and D2-MSNs drive both reward and aversion

Portugal
IBRO

Laura Alethia de la Fuente de la Torre (S-14)

Interoceptive enhancement in early onset consumption to smoked cocaine

Argentina
IBRO

Theme H: Cognition

Gal Atlan (S-15)

Fiber photometry of anatomically-defined claustrum populations in awake behaving mice

Israel
FENS

Julia Berezutskaya (S-16)

High-density intracranial recordings reveal evidence of speech tracking in dorsal precentral cortex

Netherlands
FENS

Bruno Bianchi (S-17)

Understanding predictability with electrophysiological and behavioral measures.

Argentina
IBRO

Thiago Rodrigues da Silva (S-18)

Role of prelimbic cortex protein kinases C and Mzeta in aversive memory reconsolidation and persistence

Brazil
IBRO

Theme I: Techniques

Sheila Ribalta (T-1)

Generation of a molecular tool to characterize the internalization of adhesion GPCR Latrophilin 1.

Cuba
LATP

Nicolás Rosas (T-2)

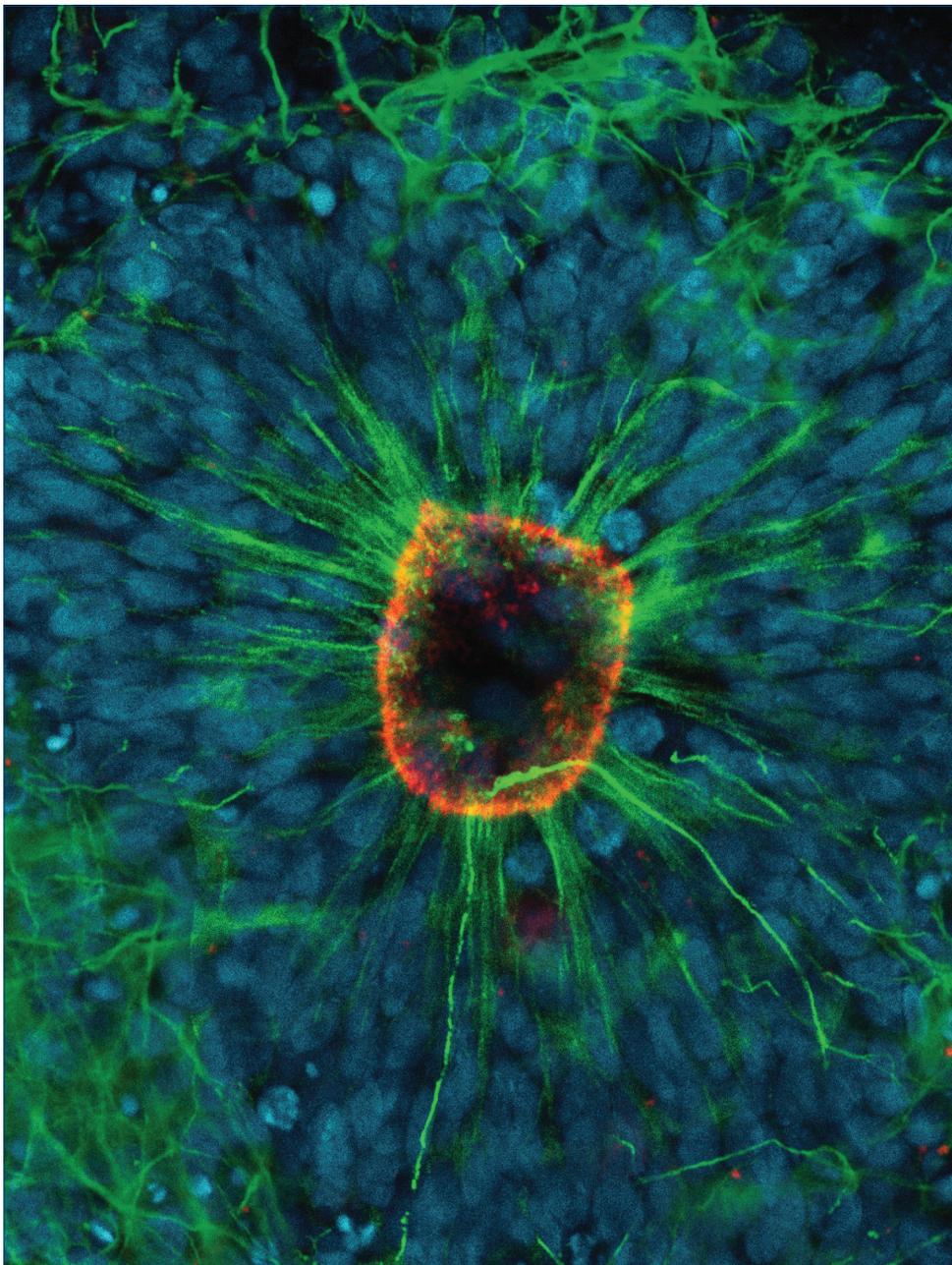
Alanine Scanning Mutagenesis of the C-Terminal Cytosolic End of Gpm6a Identifies Key Residues Essential for the Formation of Filopodia

Argentina
LATP

Constantina Theofanopoulou (T-3)

A universal evolution-based nomenclature for the oxytocin and vasotocin ligand and receptor families

Spain
IBRO



1969–2019

