

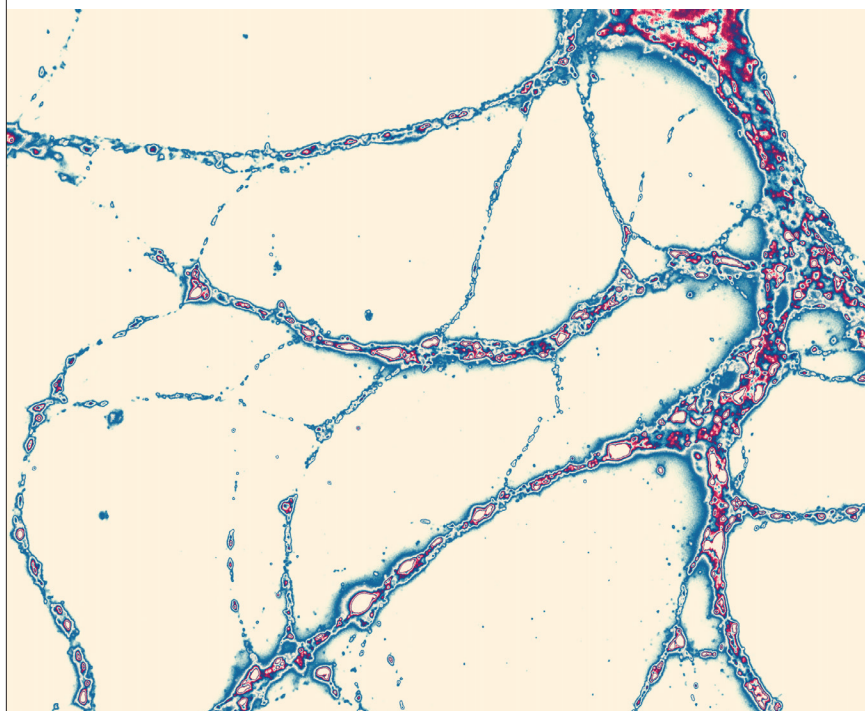


## INTERNATIONAL FELLOWS POSTER SESSION

Saturday, November 3

6:30–8:30 p.m.

San Diego Convention Center, Hall A



## **Latin American Training Program (LATP)**

SfN's Latin American Training Program (LATP) is a comprehensive, yearlong online training program. It provides webinars, recorded content, and online discussions on cutting edge science and professional development to young investigators from Latin America and the Caribbean. Now in its fifth year, the LATP is supported by The Grass Foundation, The Latin American Regional Committee of the International Brain Research Organization (IBRO), the US/Canada Regional Committee (US/CRC) of IBRO, and the selected hosted institutions.

## **Japan Neuroscience Society (JNS)**

SfN and the Japan Neuroscience Society (JNS) provide a joint travel award exchange program for graduate students or postdoctoral investigators to their respective annual meetings. SfN will sponsor five eligible members from the United States, Canada, and Mexico who intend to participate in the JNS meeting, while JNS sponsors five of its members to attend the SfN annual meeting.

## **International Brain Research Organization (IBRO)**

SfN offers travel awards for neuroscientists under the age of 35 from the least-developed countries of the five International Brain Research Organization (IBRO) regions (Africa, Asian/Pacific, Central and Eastern Europe, Latin America, and Europe) to attend the SfN annual meeting. Nominees must be from a developing country, under 35 years of age, and the first author of an abstract that will be presented at the SfN annual meeting.

**Theme B:**  
**Neural Excitability, Synapses,  
and Glia**

**Hisham Bahmad** (1-1)

Specific inhibition of gsk-3 $\beta$  by tideglusib: Potential therapeutic target for neuroblastoma and glioblastoma cancer stem cells

*Lebanon*  
*IBRO*

**Ana Maria Bernal Correa** (1-2)

Activation of Group I mGluR receptors increases Ih in mouse MNTB neurons in dopaminergic neurons

*Brazil*  
*LATP*

**Luan Diniz** (1-3)

Astrocytes are target of  $\alpha$ -synuclein oligomers: implications for astrocyte reactivity and synapse formation in Parkinson's Disease model

*Brazil*  
*IBRO*

**Anllely Fernández** (1-4)

Protein SUMOylation determines the cargo content of astrocyte-derived small extracellular vesicle

*Chile*  
*LATP*

**Gabriel Herrera-Lopez** (1-5)

Lactate induces a Hebbian form of LTP on the recurrent collateral synapses of hippocampal area CA3

*Mexico*  
*LATP*

**Emilio Roman Mustafa** (1-6)

Ghrelin selectively inhibits CaV3.3 subtype of low voltage activated Ca<sup>2+</sup> channels

*Argentina*  
*IBRO*

**Esteban Pino Rodríguez** (1-7)

Dual muscarinic and nicotinic cholinergic modulation of GABAergic inputs to pontis oralis reticular (PnO) neurons: *in vitro* study of presynaptic activity-dependent effects

*Uruguay*  
*LATP*

**Theme C:**  
**Neurodegenerative Disorders  
and Injury**

**Rachid Akki** (1-8)

Protective effect of oxidative preconditioning against apoptosis induced by H<sub>2</sub>O<sub>2</sub> in differentiated neuronal-like SH-SY5Y cells

*Morocco*  
*IBRO*

**Luis Henrique Angenendt da Costa** (1-9)

Sepsis-induced antinociception is associated with neuroinflammation and glial activation

*Brazil*  
*IBRO*

**Melina Bordone** (1-10)

A gene therapy approach to knock-down Fyn in the striatum reduces levodopa induced dyskinesia in the 6-hydroxydopamine mouse model of Parkinson's disease

*Argentina*  
*IBRO*

**Carlos Fernando Cardozo Hernandez** (1-11)

*In vitro* effects on cerebral cell survival of ischemic preconditioning before the application of a lethal stimulus and its relationship with O-GlcNAc glycosylation

*Colombia*  
*LATP*

## **Vorapin Chinchalongporn** (I-12)

Melatonin regulates the amyloidogenic processing BAPP via Pin1/GSK3 $\beta$ / NF-  $\kappa$ B pathway in A $\beta$ 42-induced cellular model of Alzheimer's disease

*Thailand*  
*IBRO*

## **Bruno de Siqueira Mietto** (I-13)

Mycobacterium leprae accelerates myelin breakdown in Schwann cells

*Brazil*  
*LATP*

## **Maurício dos Santos Pereira** (I-14)

Glial-Derived Inflammatory Environment as an Outcome of Dopamine and Glutamate Dysregulation in the Dorsal Striatum of Dyskinetic Mice

*Brazil*  
*IBRO*

## **Akash Gautam** (I-15)

Identification of Arc interacting proteins during amnesia

*India*  
*IBRO*

## **Shampa Ghosh** (I-16)

Altered levels of neurotrophic factors and neurochemical profile in the brain as the probable causes of the decreased longevity of WNIN obese rats

*India*  
*IBRO*

## **Diana Marcela Gonzalez Duque** (I-17)

Effect of Minocycline on the Expression Profile of Matrix Metalloproteinase 9 in the Hippocampus of Rats with Diffuse Traumatic Brain Injury

*Colombia*  
*LATP*

## **Maria Florencia González Lizárraga** (I-18)

Chemically modified tetracycline (CMT) inhibits alpha-synuclein amyloid fibers formation and neuroinflammation

*Argentina*  
*IBRO*

## **Jéssica Mendes Bonato** (I-19)

Roflumilast, a phosphodiesterase 4 inhibitor, prevents memory impairments and increases hippocampal neurogenesis after transient global cerebral ischemia in rats

*Brazil*  
*IBRO*

## **Carla Javiera Montecinos Oliva** (I-20)

A $\beta$ 42 oligomers deregulate AMPA receptor membrane trafficking

*Chile*  
*LATP*

## **Laura Mora Muñoz** (I-21)

Electrophysiological characterization of GABAB-GIRK response in an *in vitro* model of Alzheimer's Disease

*Colombia*  
*LATP*

## **Mauricio Oliveira** (I-22)

Targeting translation impairment to restore cognitive deficits in Alzheimer's disease models

*Brazil*  
*IBRO*

## **Mosunmola Oyeleke Omotola** (I-23)

Comparative effects of ethanolic extracts of Bacopa floribunda and Angraecum eichlerianum on Amyloid beta model of Alzheimer's disease in male wistar rats

*Nigeria*  
*IBRO*

**Gonzalo Piñero** (I-24)

Immunomodulatory action of bone marrow cell trasplant in sciatic nerve crush

*Argentina*  
*IBRO*

**Priyanka Saroj** (I-25)

Neurotherapeutic potential of PDE 5 inhibitor against quinolinic acid evoked neurotoxicity in experimental model of Huntington's disease

*India*  
*IBRO*

**Sandeep Singh** (I-26)

Neuroprotective effects of fisetin as a caloric restriction mimetic: Therapeutic implications during aging through the modulation of autophagy, apoptosis and neurodegeneration

*India*  
*IBRO*

**Tanveer Singh** (I-27)

Focal motor seizure model in mouse

*India*  
*IBRO*

**Ana Elisa Speck** (I-28)

Adenosinergic drugs control striatal metaplasticity in mice with L-DOPA-induced dyskinesia

*Brazil*  
*IBRO*

**Karine Tadevosyan** (I-29)

Ischemic stroke protective MAPK10 rs17008675 variants affect the blood proinflammatory profile via FOS involved gene-gene interaction mechanism

*Armenia*  
*IBRO*

**Theme D:  
Sensory Systems**

**Raul Capri Santos** (I-30)

System xC- expression during diabetic retinopathy development: Modulation by Nrf2

*Brazil*  
*IBRO*

**Clarissa Maria Dias Mota** (I-31)

Serotonin attenuates endotoxin-induced nociception by inhibiting IKK $\alpha$ /B in the dorsal root ganglia and GSK3 $\alpha$ /B, CREB, and IKK $\alpha$ /B in the spinal cord dorsal horn

*Brazil*  
*IBRO*

**Aminu Imam** (I-32)

Chemical neuroanatomy of the olfactory system of the nocturnal tree pangolin (Manis tricuspis)

*South Africa*  
*IBRO*

**Marcelo Javier Moglie** (I-33)

Compartmentalization of antagonistic Ca<sup>2+</sup> signals in developing cochlear hair cells

*Argentina*  
*IBRO*

**Xiaodong Li** (I-34)

Experience-dependent tuning of song discrimination in Drosophila

*Japan*  
*JNS*

**Suranjana Pal** (I-35)

Genetic mechanisms in early cortical progenitors control thalamocortical innervation

*India*  
*IBRO*

**Maria Celeste Rivero Echeto****(I-36)**

Systemic administration of cocaine, caffeine or their combination alters the pacemaker activity of somatosensory thalamic neurons in mice

*Argentina*  
*LATP*

**Sareh Rostami****(I-37)**

The electrical stimulation of the dorsal raphe nucleus (DRN) changes visual responses of neurons in primary visual cortex

*Iran*  
*IBRO*

**Suguru Takagi****(I-38)**

Formation of the neuronal connectivity that regulates divergent action selections in *Drosophila* larvae

*Japan*  
*JNS*

## **Theme F: Integrative Physiology and Behavior**

**Santiago Boari****(I-39)**

Synchronized cortical activity in auditory perception in canaries

*Argentina*  
*LATP*

**Maria Paula Cornejo****(I-40)**

Ghrelin Signaling Targets Segregated Clusters of Neurons Within the Nucleus of the Solitary Tract

*Argentina*  
*IBRO*

**Paula dos Santos Claro****(I-41)**

G protein-coupled CRH receptors signaling in a neuronal hippocampal cellular context

*Argentina*  
*LATP*

**Carine Lampert****(I-42)**

Social isolation in early adolescence induces long-term changes in dopaminergic system and increases the susceptibility to food addiction in adulthood

*Brazil*  
*IBRO*

**Luis Pedro Morera****(I-43)**

Chronic stress and mental health from a psychobiological approach

*Argentina*  
*IBRO*

**Cesar Sanchez Triviño****(I-44)**

Physiological study of lithium on cascade of phospholipase C

*Colombia*  
*LATP*

**Omprakash Singh****(I-45)**

Thyrotropin-releasing hormone (TRH) in the brain and pituitary of the teleost, *Clarias batrachus* and its role in regulation of the hypophysiotropic dopamine neurons

*India*  
*IBRO*

**Shingo Soya****(I-46)**

Noradrenergic signaling in the central nucleus of amygdala mediates learning independent behavioral fear expression

*Japan*  
*JNS*

## **Theme G: Motivation and Emotion**

**Cassiano Diniz****(I-47)**

Titration-based BDNF dual effect underlies the opposed behavioral effect of CB1 and TRPV1 agonists

*Brazil*  
*IBRO*

**Maria Florencia Rossetti** (I-48)

Your offspring is what you eat: The impact of maternal CAF diet on the epigenetic control of dopaminergic-related genes during perinatal period

*Argentina*  
*IBRO*

**Theme H:  
Cognition**

**Indira Ruth Garcia Cordero** (I-49)

The Neural Basis of Metacognition in Lesion Models

*Argentina*  
*IBRO*

**Martin Klappenbach** (I-50)

Honey bees form separated memory traces after experiences containing appetitive and aversive consequences

*Argentina*  
*LATP*

**Ayako Ouchi** (I-51)

Hilar mossy cells decentralize hippocampal information back into in dentate circuits

*Japan*  
*JNS*

**Manjinder Singh** (I-52)

Exploration of Polyfunctional Flavonoids Based Compounds in Alzheimer's disease: Design, Synthesis and Biological Evaluations

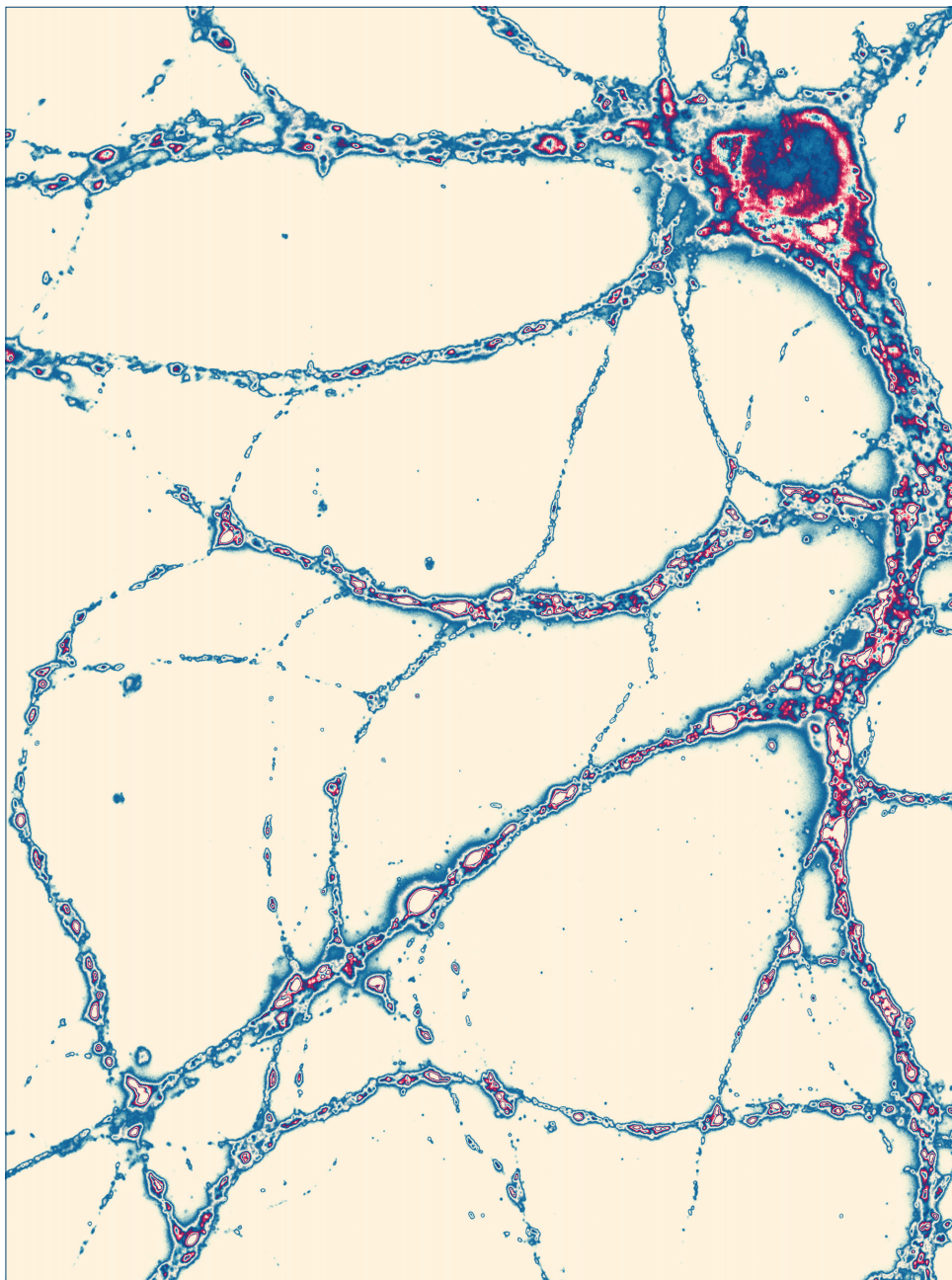
*India*  
*IBRO*

**Theme I:  
Techniques**

**Tatsuya Murakami** (I-53)

Three-dimensional Single-cell-resolution Whole-brain Atlas Using CUBIC-X Expansion Microscopy and Tissue Clearing

*Japan*  
*JNS*



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