



**NEUROSCIENCE
2024**

Early Career Poster Session: International Fellows Posters

Society for Neuroscience
Saturday, October 5
6:30–8:30 p.m. CDT
McCormick Place Convention Center: Hall A

The Early Career Poster Session features participants of the Chinese Neuroscience Society (CNS), the International Brain Research Organization (IBRO), and the Japan Neuroscience Society (JNS). The Society for Neuroscience works with CNS, IBRO, and JNS to provide travel awards for neuroscientists from around the world to participate in the SfN annual meeting.



SOCIETY *for*
NEUROSCIENCE

Theme A: Development

ZHEN LONG

Tsinghua University

Chinese Neuroscience Society (CNS)

Graduate Student

Intravital imaging of dynamic neural cell migration and interaction in the embryonic brain

A33

Theme A: Development

Noah A. Omeiza

National Yang Ming Chiao Tung University, Taiwan

International Brain Research

Organization (IBRO); Neuroscience Society of Nigeria and Taiwan Society for Neuroscience

Graduate Student

Carpolobia lutea ethanol extract reverses drugs-induced schizophrenia-like symptoms in mice via oxido-inflammatory and neurotransmitters' pathways

A43

Theme A: Development

Dorcas TAIWO-OLA

OLABISI ONABANJO UNIVERSITY, AGO IWOYE, OGUN STATE, NIGERIA

International Brain Research

Organization (IBRO)

Graduate Student

Effect of late gestational ingestion of combined CBD and THC on cerebellar morphology in the offspring of Wistar rats

A54

Theme A: Development

Isadora Tassinari

Federal University of Rio Grande do Sul - UFRGS

International Brain Research Organization (IBRO)

Postdoctoral Fellow

Lactate prevents sensorimotor and cognitive impairment following neonatal hypoxia-ischemia

A55

Theme B: Neural Excitability, Synapses, and Glia

Sandeep Kumar

Maharishi Markandeshwar (Deemed to be University)

International Brain Research Organization (IBRO)

Postdoctoral Fellow

Bioinformatics guided rotenone adjuvant kindling in mice as a new animal model of drug resistant epilepsy

B27

Theme B: Neural Excitability, Synapses, and Glia

Liang Li

Fudan University

Chinese Neuroscience Society (CNS)

Undergraduate Student

Scn2a deletion in ventral tegmental area dopaminergic neurons causes dopamine system hypofunction and autistic-like behaviors

B28

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

Joana Mateus

Instituto de Medicina Molecular
*Federation of European Neuroscience
Societies (FENS); International Brain
Research Organization (IBRO)*

Graduate Student

Unlocking oligodendrogenesis
and cognitive enhancement via
neurotrophic factors and physical
activity: integrating *in vitro* and
in vivo approaches

B36

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

Emilio Roman Mustafa

Laboratory of Electrophysiology,
Multidisciplinary Institute of Cell
Biology (IMBICE)

*International Brain Research
Organization (IBRO)*

Postdoctoral Fellow

Impact of constitutive activity of D1R-
like receptors on CaV3 functionality
in a hyperexcitability models
associated with epilepsy

B39

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

Ryo Nakatani

Okinawa Institute of Science and
Technology Graduate School
*Japan Neuroscience Society (JNS);
Trainee Professional Development
Award (TPDA)*

Graduate Student

Elucidating mechanisms of
astrocytic depolarization

B40

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

Irene Serra

Cajal Institute CSIC
*International Brain Research
Organization (IBRO)*

Graduate Student

Catching astrocyte ensembles:
Astrocytic ensembles control cue-
motivated behavior

B54

**Theme C: Neurodegenerative
Disorders and Injury**

Anja de Lange

University of Cape Town
*International Brain Research
Organization (IBRO)*

Postdoctoral Fellow

Infection of human cortical
organotypic brain slice cultures with
Cryptococcus neoformans causes
localized inflammation and death in
host microglia

B108

**Theme C: Neurodegenerative
Disorders and Injury**

Takumi Taketomi

University of Tsukuba
Japan Neuroscience Society (JNS)

Graduate Student

Autism-associated sparcl1/hevin mutant
has impacts on persistent angiogenesis

C81

Theme C: Neurodegenerative Disorders and Injury

CHAO WEI

Chinese Institute for Brain Research,
Beijing

Chinese Neuroscience Society (CNS)

Postdoctoral Fellow

Brain endothelial GSDMD activation
mediates inflammatory BBB breakdown

C95

Theme E: Motor Systems

Takahiro Yoshikawa

Hokkaido University

Japan Neuroscience Society (JNS)

Graduate Student

In vivo bidirectional modulation
induced by localized theta-burst
magnetic stimulation to the mouse
auditory cortex

D40

Theme G: Motivation and Emotion

Zhengxiao Fan

Songjiang Research Institute,
Songjiang Hospital affiliated to
Shanghai Jiao Tong University School
of Medicine

Chinese Neuroscience Society (CNS)

Principal Investigator

Neural mechanism underlying
depressive-like state associated with
social status loss

H1

Theme G: Motivation and Emotion

Shunchang Fang

Sun Yat-Sen University

Chinese Neuroscience Society (CNS)

Postdoctoral Fellow

Sexually dimorphic cortical circuits
mediate sex-specific empathic behaviors

H2

Theme G: Motivation and Emotion

Jeferson Jantsch

Federal University of Health Science
of Porto Alegre

*International Brain Research
Organization (IBRO)*

Graduate Student

Cannabidiol treatment mitigates
anxiety-like behaviors and
neuroinflammation in obese aged rats

H15

Theme H: Cognition

Mizuki Fujibayashi

Tohoku University

Japan Neuroscience Society (JNS)

Graduate Student

A marker-based motion tracking
system for small animals enabling
objective inference of the cognition of
social signals

J15

Theme H: Cognition

Taichi Hiraga

University of Tsukuba

Japan Neuroscience Society (JNS)

Graduate Student

Facilitating Memory Consolidation
through Light Exercise: The Role
of the Coeruleo-Hippocampal
Dopaminergic Pathway

J23

Theme H: Cognition

Peeraporn Varinthra

Tzu Chi University

International Brain Research

Organization (IBRO)

Postdoctoral Fellow

Reversing memory deficits in rapid
eye movement sleep-deprived mice by
TCU411 through the GABAB receptors

L7

Theme I: Techniques

Yusuke Kasuga

RIKEN Center for Brain Science

Japan Neuroscience Society (JNS)

Graduate Student

A neural circuit targeting technique
for investigating functional input-output
organization in the nervous system

L32
