



## INNT ANUAL MEETING 2025

**April 2-4, Casa da Gloria**

**(Ladeira da Glória 98, CEP 22211-011, Rio de Janeiro)**

### PROGRAM

#### April 2, Wednesday

**9:00-9:10 – Opening remarks:** Roberto Lent and Sergio Ferreira

#### **MENTAL HEALTH, PSYCHEDELICS AND NON-ORDINARY EXPERIENCES**

**Moderation:** Claudio da Cunha (Federal University of Paraná, Brazil)

**9:10-9:50 – Keynote lecture:** Claudio Soares (Queen's University, Canada)

9:50-10:00 – Q & A

10:00-12:00 – **Roundtable:**

10:00-10:20 – **Marcelo Leite** (O Estado de São Paulo, national newspaper, Brazil)  
Risks and difficulties of psychedelic rebirth for medicine.

10:20-10:30 – Q & A

10:30-10:50 – **Dráulio B. Araújo** (Federal University of Rio Grande do Norte, Brazil)  
Clinical and neuroscience studies of psychedelic substances ayahuasca and DMT

10:50 - 11:00 – Q & A

11:00 - 11:20 – to be confirmed

11:20 - 11:30 – Q & A

11:30 - 11:50 – **Ronald Fischer** (D'Or Institute for Research and Education, Brazil)  
Saint or insane? A data science exploration of the diversity of human experiences and mental health

11:50 - 12:00 – Q & A

12:00 - 14:00: **Lunch provided at Casa da Gloria**

## NEURODEVELOPMENT AND NEUROPLASTICITY

**Moderation:** Roberto Lent (D'Or Institute of Research and Education, Federal University of Rio de Janeiro)

14:10 - 14:50 – **Keynote Lecture: Lynn K. Paul** (California Institute of Technology, USA) - The corpus callosum and creativity revisited.

14:50 - 15:00 – Q & A

15:00 - 17:00 – Roundtable

15:00 - 15:20: **Emily Castro-Fonseca** (Federal University of Rio de Janeiro, Brazil)  
How many neurons and glial cells do we have at birth?

15:20 - 15:30: Q & A

15:30 - 15:50: **Claudio Serfaty** (Federal Fluminense University, Brazil) – Malnutrition impacts normal brain development and plasticity through neuroinflammation.

15:50 - 16:00: Q & A

16:00 - 16:20: **Fernanda Tovar-Moll** (D'Or Institute for Research and Education, Brazil) – Callosal agenesis: from bench to bedside, and back

16:20 - 16:30: Q & A

16:30 - 16:50: **Jean Faber** (São Paulo School of Medicine, Brazil) – Brain-machine interfaces for rehabilitation of low-mobility patients.

16:50 - 17:00: Q & A

## April 3, Thursday

### THE MANY ROLES OF ASTROCYTES

**Moderation:** Eduardo Zimmer Federal (University of Rio Grande do Sul)

9:10 - 9:50 – **Keynote Lecture: Luc Pellerin** (Université de Poitiers, France).

9:50 - 10:00 – Q & A

10:00 - 12:00 – **Roundtable**

10:00 - 10:20 – **Eduardo Zimmer** (Federal University of Rio Grande do Sul, Brazil) – Astrocytes in neurodegeneration

10:20 - 10:30 – Q & A

10:30 - 10:50 – **Debora Guerini** (Federal University of Rio Grande do Sul, Brazil) – Astrocyte reactivity in COVID-19

10:50 - 11:00 – Q & A

11:00 - 11:20 – **Luan Diniz** (Federal University of Rio de Janeiro, Brazil) – Roles of astrocytes in synaptic health and disease in the central nervous system

11:20 - 11:30 – Q & A

11:30 - 11:50 – **Jade de Oliveira** (Federal University of Rio Grande do Sul, Brazil) – Is cholesterol good or bad for your brain?

11:50 - 12:00 – Q & A

12:00 - 14:00: **Lunch provided at Casa da Gloria**

### THE MANY ROLES OF ASTROCYTES

**Moderation:** Mychael Lourenço (Institute of Biophysics, UFRJ)

14:10 - 14:50 – **Keynote Lecture: Eddie Lee** (University of Pennsylvania, USA) Molecular and environmental neuropathology of Alzheimer's disease and related dementias (ADRD)

14:50 - 15:00 – Q & A

15:00 - 17:00 – **Roundtable**



15:00 - 15:20 – **Marcia Cominatti** (Lab of Aging Biology, Federal University of São Carlos, Brazil) – ADAM10 as a potential biomarker in Alzheimer’s disease

15:20 - 15:30 – Q & A

15:30 - 15:50 – **Luis Eduardo Santos** (D’Or Institute for Research and Education, Brazil) – Bloodbased biomarkers of dementia in a Brazilian cohort

15:50 - 16:00 – Q & A

16:00 - 16:20 – **Giovanna Carello-Collar** (Federal University of Rio Grande do Sul, Brazil) – The protective roles of RELN rs802787 in Alzheimer’s disease

16:20 - 16:30 – Q & A

16:30 - 16:50 – **Felipe C. Ribeiro** (Federal University of Rio de Janeiro, Brazil) – Defective brain proteostasis as a therapeutic target in Alzheimer’s disease

16:50 - 17:00 – Q & A



## April 4, Friday

### TRAUMA AND EPILEPSY

**Moderation:** Luis Valmor Portela (Federal University of Rio Grande do Sul)

9:10 - 9:50 – **Keynote Lecture:** Fernando Cendes (State University of Campinas, Brazil) – Artificial intelligence in neuroimaging of epilepsies: are we there yet?

9:50 - 10:00 – Q & A

10:00 - 12:00 – **Roundtable**

10:00 - 10:20 – **André M. Paschoal** (State University of Campinas, Brazil) – New non-invasive MRI techniques to investigate the glymphatic system and barrier permeability

10:20 - 10:30 – Q & A

10:30 - 10:50 – **Sintia Belangero** (São Paulo School of Medicine, Brazil) – MicroRNAs and trauma

10:50 - 11:00 – Q & A

11:00 - 11:20 – **Isabella D'Andrea Meira** (Instituto Estadual do Cérebro, Brazil) – Neuromodulation in refractory epilepsies: present and future

11:20 - 11:30 – Q & A

11:30 - 11:50 – **Luciana Ramalho Pimentel-Silva** (Unicamp) – How MRI can help in elucidating the pathophysiology of temporal lobe epilepsy

11:50 - 12:00 – Q & A

12:00 - 12:10 – **Closing remarks** – Sergio Ferreira and Fernanda Tovar-Moll