I FloripaNeuro aims to bring together leading experts in the field of Neurosciences to discuss the latest developments and emerging concepts in the field, with a particular focus on aging, neurodevelopment, neuroplasticity, neuroinflammation and neurodegeneration.

### Scientific Program

**08 FEB**

09:00 - Keynote Lecture: Challenges and opportunities in neurological diseases

**Francisco Cardoso**

Dr. Francisco Cardoso is a full Professor of Neurology in the Movement Disorders Unit, Neurology Service, Internal Medicine Department of the Federal University of Minas Gerais, Belo Horizonte MG, Brazil. He is currently President of the International Parkinson's disease and Movement Disorders Society.

- 10:00 - Simone Engelender: Homeostasis of PINK1 in Parkinson's disease
- 10:30 - Rui Prediger: Agmatine in Parkinson's disease: a new antidyskinetic and neuroprotective agent
- 11:30 - Chiara Zurzolo: Prion-like proteins spreading in neurodegenerative diseases: role of tunneling nanotubes
- 12:00 - Clévio Nóbrega: Autophagy in spinocerebellar ataxia type 2
- 14:00 - Daniel Pens Gelain: Evaluation of the therapeutic potential of inhibition of the receptor for advanced glycation end products (RAGE) in Parkinson's Disease
- 14:30 - Malu Tansey: Inflammation and immune dysfunction in Parkinson disease
- 15:30 - Sebastien Talbot: Nociceptor neurons impair cancer immunosurveillance
- 16:00 - Flávia Gomes: Astrocytes as new targets for understanding human aging
- 16:00 - Elis Eleutherio: SOD1 proteinopathy and Amyotrophic Lateral Sclerosis
- 17:00 - Talk from the abstracts
- 17:30 - Poster session
- 19:00 - Art of science event

**09 FEB**

09:00 - Keynote Lecture: The neurobiology of individuality

**Gerd Kempermann**

Dr. Gerd Kempermann leads the Dresden German Center for Neurodegenerative Diseases (DZNE) and is a professor at the Center for Regenerative Therapies Dresden (CRTD), Germany. His main research focuses on regenerative medicine, stem cell biology, and adult neurogenesis.

- 10:00 - Brian Christie: Neuroplasticity in the developing and aging brain
- 10:30 - Sonata Yau: Physical exercise on promoting hippocampal plasticity
- 11:30 - Leigh Leasure: Alcohol and exercise: findings from animal and human studies
- 12:00 - Patricia de Souza Brocardo: Effects of early-life interventions on adult neuroplasticity
- 14:00 - Marco Prado: Regulation of synucleinopathy by molecular chaperones
- 14:30 - Marcelo Farina: Inhibition of ferroptosis as a neuroprotective strategy
- 15:30 - Anita Krisko: Metabolic choice in an unfolding world
- 16:00 - Helena Cimarosti: Roles of the circadian rhythm in the pathology of neurodegenerative diseases
- 16:30 - Talk from the abstracts
- 19:00 - Poster session
- 20:00 - Dinner by adhesion (US $50)

**10 FEB**

09:00 - Keynote Lecture: Molecular determinants of synucleinopathies: insight into therapeutic opportunities

**Tiago Fleming Outeiro**

Dr. Tiago Outeiro is currently a full professor, and director of the Department of Neurodegeneration and Restorative Research at Gottingen University, in Germany. He is also a professor at the University of Newcastle, England.

- 10:00 - Christoph Van Riesen: Subthalamic beta oscillations correlate with dopaminergic degeneration in experimental parkinsonism
- 10:30 - Christian Griesinger: NMR techniques provide powerful tools for investigating the disordered protein aggregates that occur in neurodegenerative diseases
- 11:30 - Roger Walz: A translational relationship between anxiety symptoms in humans and defensive behaviors in rodents
- 12:00 - Elaine del Bel: Two birds one stone: challenges of repurposing doxycycline for the treatment of Parkinson's disease
- 13:00 - Awards and closing session