



## **ISTITUTO DI NEUROSCIENZE**

Consiglio Nazionale  
delle Ricerche

Retreat 2022

*Santa Margherita di Pula  
Hotel Flamingo, September 22-24*

Scientific Program

September, 22<sup>nd</sup>, afternoon

14:30 *Welcome, introduction and logistics*  
**Michela Matteoli**  
IN-CNR director

14:50 *Opening lecture: Title TBD*  
**Cesare Montecucco**  
University of Padova

15:40 *A recombinant protein as a potential therapeutic treatment for brain tumors*  
**Eleonora Vannini**  
IN Pisa

15:55 *Rehabilitation and Neuromodulation after Stroke: novel therapeutic strategies in murine models*  
**Cristina Spalletti**  
IN Pisa

16:10 *Fast-spiking interneurons of the premotor cortex contribute to action initiation*  
**Claudia Alia**  
IN Pisa

16:25 *In vivo characterization of intracortical connectivity in a mouse model for stroke*  
**Manuela Allegra**  
IN Padova

16:40 *Coffee break*

17:10 *Ricercare a quattro mani: venti anni di collaborazione con Matteo Caleo*  
**Yuri Bozzi**  
University of Trento

17:50

*Pennellate di Matteo.*

Sharing memories about a beloved friend, colleague, and master.

18:40

*Posters and wines*

19:45

Dinner

21:15

*Keynote lecture: Title TBD*

**Maurizio Corbetta**

University of Padova

September, 23<sup>rd</sup>, morning

Symposium: *From HBP to EBRAIN*

9:00 *Multiscale Brain Modelling: toward brain digital twins*

**Egidio D'Angelo**  
University of Pavia

9:40 *Cognitive functions and dysfunctions emerging from large-scale computational modeling*

**Michele Migliore**  
IBF-CNR

10:20 *Title TBD*

**Marcello Massimini**  
University of Milan

11:00 *Coffee break*

11:30 *Title TBD*

**Giacomo Mazzamuto**  
LENS / INO-CNR

12:10 *The cognitive effects of slow wave activity propagation in wakefulness and sleep*

**Giulia De Bonis & Giulia De Luca**  
LENS

12:50 *The upcoming initiatives: EBRAINS, EIC, EBrain-Italy*

**Egidio D'Angelo & Michele Migliore**

13:30 Lunch

September, 23<sup>rd</sup>, afternoon

15:00 *Neuronal circuits activity and dynamics: function and dysfunction*

**Claudia Lodovichi**

IN Padova

15.30 *Brain circuits for fear attenuation*

**Bianca Silva**

IN Milano

15.50 *Circuits directing spatial oriented movements in the mouse Superior Colliculus*

**Letizia Mariotti**

IN Padova

16.10 *The value of corticospinal excitability and intracortical inhibition in predicting motor skill improvement driven by action observation*

**Arturo Nuara**

IN Parma

16.30 *Coffee break*

17:00 *Human connectomics and disconnectomics: insights from inside the brain.*

**Pietro Avanzini**

IN Parma

17:30 *Physical activity and cortical plasticity*

**Gabriele Sansevero**

IN Pisa

17:50 *Title TBD*

**Gian Michele Ratto**

IN Pisa/Padova

18.30 Meeting IN

19:30 *Posters and wines*

20:30 Dinner

September 24<sup>th</sup>, morning

9:00 *New models of alpha-synuclein toxicity reveal the role of glial cells in Parkinson's disease neurodegeneration*

**Vania Broccoli**

IN Milano

9.30 *Oral nano-delivery of nasco pomace extract exerts neuroprotective and anti-inflammatory effects in the MPTP mouse model of Parkinson's disease.*

**Marcello Serra**

IN Cagliari

9.50 *Microglial extracellular vesicles in motion at the neuronal surface: implication in the propagation of amyloid-related synaptic dysfunction in the mouse brain*

**Martina Gabrielli**

IN Milano

10.10 *Mechanisms of synaptic dysfunction in the Angelman syndrome*

**Matteo Fossati**

IN Milano

10.30 *Coffee break*

11:00 *The complex modulatory effects of serotonin 5-HT1A and 2-HT2B receptors in methamphetamine abuse: focus on sex differences*

**Liana Fattore**

IN Cagliari

11.30 *Title TBD*  
*XXX*  
*XXX*

11.50 *Title TBD*  
*XXX*  
*XXX*

12:10 *Closing lecture:*  
*Title TBD*  
**Michela Matteoli**

13:00 *Closing remarks and salutations*