

PROGRAM

Annual Meeting of the NeuroMod Institute, Antibes 28th – 29th June 2023

28th June

9:15 – 10:00	Registration and welcome
10:15 – 10:30	Opening and introduction <i>Alexandre MUZY</i>
10:30 – 11:15	Keynote lecture: Motivation and decision making: psychiatric perspective and beyond. <i>Philippe ROBERT</i>
11:15 – 11:45	Exploration-exploitation decision making and apathy in adults, healthy older adults and cognitive impairment. <i>Lyne DAUMAS</i>
11:45 – 12:15	Cortical Connectivity's Impact on Time and Narrative Inference. <i>Peter Ford DOMINEY</i>
12:15 – 14:00	Lunch
14:00 – 14:25	A novel neural framework to assess movement control at the spinal motor neuron level. <i>François HUG</i>
14:25 – 14:50	Age-related differences in brain dynamic of visuo-spatial processing during reorientation. <i>Clément NAVEILHAN</i>
14:50 – 16:20	Poster sessions (presentations and discussion) <ul style="list-style-type: none"> - The influence of contextual variability on the learning and retention of novel words: Does the type of variability matter? <i>Raphaël FARGIER</i> - On the convergence of the MLE as an estimator of the learning rate in the Exp3 algorithm. <i>Julien AUBERT</i> - Provable local learning rule by expert aggregation for a Hawkes network. <i>Sophie JAFFARD</i> - Analyzing Gaze Behaviors in Interactive VR Scenes. <i>Kateryna PIRKOVETS</i> - Heterogeneous Multiscale Multivariate Autoregressive Model: Existence, Sparse Estimation and Application to Functional Connectivity in Neuroscience. <i>Stefano SPAZIANI</i> - Effect of the inter-repetition interval on memory in older adults: The shorter, the better. <i>Emilie GERBIER</i> - Introducing Temporal Brain Networks Dataset: an open dataset of brain activity as temporal networks. <i>Aurora ROSSI</i> - Preliminary results on the graph matching of structural and functional brain networks. <i>Yanis AESCHLIMANN</i> - Computerized serious game-based cognitive training combined with tDCS for apathy treatment in Mild Neurocognitive Disorders. <i>Lyne DAUMAS</i>



- Retino-cortical computational model to study suppressive waves in fast naturalistic motions. *Jérôme EMONET*

16:20 – 16:30

Coffee break

16:30 – 17:15

Keynote lecture: Somatotopy of the human sensory thalamus: modelisation based on paresthesias induced by directional deep brain stimulation in chronic pain patients. *Denys FONTAINE*

17:15 – 17:40

Temporal pattern recognition in retinal ganglion cells is mediated by dynamical inhibitory synapses. *Simone EBERT*

17:40 – 18:05

Comprehensive characterization of the role of FMRP in neuronal physiology using multi-omics integration. *Silvia BOTTINI*

20:00

Evening Reception

29th June

7:30 – 9:00

Breakfast

9:30 – 12:40

Presentations of platforms and technical facilities

Animated by Alexandre MUZY and Massimo MANTEGAZZA

9:30 – 9:50

CoCoLab: Agnès *FESTRÉ*

9:50 – 10:10

CreaMaker: *Margarida ROMERO*

10:10 – 10:30

Development: *Evgenia KARTSAKI*

10:30 – 10:50

Institut Claude Pompidou (ICP): *Valeria MANERA*

10:50 – 11:10

Coffee break

11:10 – 11:30

BioMap: *Ingrid BETHUS*

11:30 - 11:50

Biology and computer science: *Silvia BOTTINI*

11:50 – 12:10

ODIN: *Kevin LEBRIGAND*

12:10 – 12:40

Round table

12:40 – 14:10

Lunch

14:10 – 14:55

Keynote lecture: An experimental Nash program. *Michela CHESSA*



14:55 – 16:20

Poster sessions (presentations and discussion)

- /lami/ What word do I mean? Recognizing words without context by French neurotypicals and dyslexics. *Mar CORDERO-RULL*
- Toward everyday BCI: Augmented Covariance Method in a reduced dataset setting. *Igor CARRARA*
- EEG Microstates analysis on language production tasks. *Emeline MANKA*
- The Impact of Apathy on Decision Making. *Claire BERNER*
- Due to dietary fatty acids, obesity and neuroinflammation broke up. *Clara SANCHEZ*
- Dynamic of prefrontal cortex and dorsolateral striatum in the automation of working memory. *Maxime VILLET*
- Large sparse network of interacting neurons: an explicit solution for linear interactions on a Cayley Tree. *Nicolas VATTUONE*
- Exploring the contextual adjustment process during intentions inferences: validation and electrophysiological analysis of the REMICS-eeg task. *Francesca FRESCURA*
- Analyzing vocal productions in Self-induced cognitive trance. *Lucas GOUPIL*

16:20 – 16:30

Coffee break

16:30 – 16:55

Coding dynamics of the striata networks during learning.

Patricia REYNAUD-BOURET

16:55 – 17:20

Detection of synchronization by permutation test and implication for neuroscience experimental design. *Josué TCHOUANTI FOTSO*