

# Alpine Brain Imaging Meeting 2019

## PROGRAM OVERVIEW

SUNDAY, January 6

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### OPENING LECTURE

17:30 ▶ **Pascal FRIES** | *Ernst Strüngmann Institute, Frankfurt, Germany*

- *Rhythms for cognition*

18:30-20:30 ▶ **Welcome Reception & Registration (Hotel Suisse)**

MONDAY, January 7

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### NEURAL OSCILLATIONS

15:30 ▶ **Lucia MELLONI** | *Max Planck Institute, Frankfurt, Germany*

- *Neural mechanism for natural and artificial sequences*

16:20 **Martin SEEBER** | *University of Geneva, Switzerland*

- *Subcortical electrophysiological activity is detectable with high-density EEG source imaging*

16:40 **Francesco DE PASQUALE** | *University of Teramo, Italy*

- *Cortical cores in network dynamics*

17:00 ▶ **Coffee Break**

17:30 ▶ **Simon HANSLMAYR** | *University of Birmingham, UK*

- *How a desynchronized cortex and a synchronized hippocampus cooperatively form and retrieve memories*

18:20 **Petr JANATA** | *University of California, Davis, USA*

- *The music playing in your head helps consolidate memory for incidentally associated events*

18:40 **Benjamin MORILLON** | *Aix Marseille University & INSERM, France*

- *Groove! Distinctive implication of auditory, motor and parietal areas in auditory temporal predictions*

19:00 **Luc H. ARNAL** | *University of Geneva, Switzerland*

- *The sound of salience: how roughness enhances aversion through neural synchronization*

TUESDAY, January 8

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### RESTING-STATE NETWORKS

15:30 **Lucina UDDIN** | *University of Miami, USA*

- *The salience network and cognitive and neural flexibility*

16:20 **Meytal WILF** | *Lausanne University and University Hospital (CHUV), Switzerland*

- *Prism adaptation enhances decoupling between default mode network and attention for action network: evidence from fMRI connectivity during resting state and naturalistic stimuli*

16:40 **Markus WERKLE-BERGNER** | *Max Planck Institute for Human Development, Berlin, Germany*

- *Noradrenergic responsiveness preserves attention across the adult lifespan*

17:00 **Coffee Break**

17:30 **Nathan SPRENG** | *McGill University, Montreal, Canada*

- *Explorations into the default network of the human brain*

18:20-20:00 **Poster Session (odd numbers)**

*with drinks and snacks*

WEDNESDAY, January 9

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### FUNCTIONAL MRI IN ANIMAL MODELS

15:30 **Wim VANDUFFEL** | *University of Leuven, Belgium*

- *Optogenetic interrogation of the attention network in primates*

16:20 **Coralie DEBRACQUE** | *University of Geneva, Switzerland*

- *Human brain responses to affective primate vocalizations: Acoustic properties and phylogenetic perspectives*

16:40 **Natalie EBNER** | *University of Florida, USA*

- *Neuroplasticity and cognitive benefits associated with chronic intranasal oxytocin administration in aging*

17:00 **Coffee Break**

17:30 **Suliann BEN HAMED** | *Institute of Cognitive Sciences, Lyon, France*

- *The spatial and temporal dynamics of attention: insights from direct access to the attentional spotlight*

**18:20-20:00** Poster Session (even numbers)

*with drinks and snacks*

**THURSDAY, January 10**

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**MODELLING AND ENCODING IN FMRI ANALYSIS**

**15:30** Marcel VAN GERVEN | *Donders Institute, Nijmegen, Netherlands*

- *AI-Driven Neuroscience*

16:20 Raphaël LIÉGEOIS | *University of Geneva & EPFL, Switzerland, National University of Singapore, Singapore*

- *Dynamic modes of resting-state and task fMRI time series*

16:40 Saige RUTHERFORD | *University of Michigan, USA*

- *Fundamental Differences: A Basis Set for Characterizing Inter-Individual Variation in fMRI Data*

**17:00** Coffee Break

**17:30** Bijan PESARAN | *New York University, USA*

- *TO BE ANNOUNCED*

18:20 Margherita CARBONI | *University of Geneva & University Hospital of Geneva, Switzerland*

- *HD-EEG source connectivity in focal epilepsy can predict post-operative seizure outcome in the presence and absence of scalp interictal epileptic discharges*

18:40 Johanna KISSLER | *Bielefeld University, Germany*

- *Effects of right medial temporal lobe resections on the visual processing of emotional stimuli*

19:00 Philipp KOCH | *EPFL, Lausanne & Clinique Romande de Réadaptation, Sion, Switzerland*

- *Connectome and dysconnectome analyses to determine degree and patterns of motor recovery after stroke*

**20:30** Farewell party with prize ceremony

- *Swiss Fondue restaurant "Le Gueullhi"*