

## PROGRAM OVERVIEW

SUNDAY, January 12

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### OPENING LECTURE

**17:30** ▶ **Opening Keynote Lecture** (Centre Paroissial et Culturel)

**David POEPEL** | *Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany*

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

MONDAY, January 13

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### BRAIN MECHANISMS OF DECISION MAKING

**15:30** ▶ **Michael FRANK** | *Brown University, Providence, USA*

- *Corticostriatal dopamine computations in learning and choice*

**16:15** **Mael LEBRETON** | *University of Geneva, Switzerland*

- *Learning what makes a good offer: a neuro-computational account*

**16:35** **Lia ANTICO** | *University of Geneva, Switzerland*

- *Beyond Unpleasantness. Social exclusion affects the experience of pain, but not of comparably-unpleasant disgust*

**16:55** **Coffee Break**

**17:30** ▶ **Christelle BAUNEZ** | *Institut de Neurosciences de la Timone, Marseille, France*

- *The subthalamic nucleus: a critical node for decision-making*

**18:15** **Michael PEREIRA** | *Université Grenoble Alpes, France & Swiss Federal Institute of Technology (EPFL), Geneva, Switzerland*

- *Subthalamic nucleus activity reflects first and second-order conscious reports*

**18:35** **Hal BLUMENFELD** | *Yale University School of Medicine, New Haven, USA*

- *Neuroimaging and Electrophysiology in Large Data Sets Reveal Neural Sequence of Human Conscious Perception: Detect, Pulse, Switch and Wave*

18:55 **Nicolas ROEHRI** | *Institut de Neurosciences des Systèmes, Marseille, France*

- *Hippocampal-thalamo-cortical coupling between ripples, spindles and slow oscillations during NREM sleep in human: a SEEG study*

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TUESDAY, January 14

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**MEMORY AND PLASTICITY**

15:30 **Peggy ST.JACQUES** | *University of Alberta, Edmonton, Canada*

- *The flexible nature of visual perspective in memories for events*

16:15 **Roland BENOIT** | *Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany*

- *Revealing the structure of affective schematic representations in the medial prefrontal cortex*

16:35 **Blanca MARIN BOSCH** | *University of Geneva, Switzerland*

- *Acute physical exercise rescues entorhinal spatial coding in young APOE carriers - preliminary results*

16:55 **Coffee Break**

17:30 **Tamar MAKIN** | *UCL, London, UK*

- *Homo Cyberneticus: Neurocognitive considerations for the embodiment of artificial limbs.*

18:15-20:00 **Poster Session** with drinks and snacks

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WEDNESDAY, January 15

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**THE VALUE OF ULTRA-HIGH-FIELD MRI**

15:30 **Peter BANDETTINI** | *Center for Multimodal Neuroimaging, NIMH, Bethesda, USA*

- *New Maps of Activation, Connectivity, and Hierarchy using Ultra-high resolution fMRI and endogenous blood volume contrast*

16:15 **Jonathan WIRSICH** | *University Hospitals and Faculty of Medicine of Geneva, Switzerland*

- *EEG and fMRI connectomes are reliably related: a concurrent EEG-fMRI study from 1.5T to 7T*

16:35 **Silvia MARCHESOTTI** | *University of Geneva, Switzerland*

- *Non-invasive brain stimulation transiently reinstates low gamma sampling and boost phonological processing in adults with dyslexia*

16:55 **Coffee Break**

17:30 **Lars MUCKLI** | *Centre for Cognitive Neuroimaging, Glasgow, UK*

- *Visual Predictions in different layers of visual cortex*

18:15-20:00 **Poster Session** with drinks and snacks

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THURSDAY, January 16

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### **BRAIN IMAGING ACROSS LIFESPAN**

15:30 **Ulman LINDENBERGER** | *Max Planck Institute for Human Development, Berlin, Germany*

- *Human Cognitive Aging: Maintenance Versus Dedifferentiation*

16:15 **Smadar OVADIA-CARO** | *University of Haifa, Israel*

- *The impact of ischemic stroke on connectivity gradients*

16:35 **Kristoffer MÅNSSON** | *Karolinska Institutet, Stockholm, Sweden*

- *Moment-to-moment variability in visual cortex robustly predicts anxiety disorder patient responses to psychological treatment*

16:55 **Vanessa SIFFREDI** | *University of Geneva, Switzerland*

- *Structural neuroplastic responses preserve functional connectivity and neurobehavioural outcomes through strengthening of intra-hemispheric pathways in children born without a corpus callosum*

17:15 **Coffee Break**

17:45 **Christian CLOT - 15<sup>TH</sup> ANNIVERSARY SPECIAL KEYNOTE**



- *Why study brain adaptation to change under real life extreme situation?*

19:00 **15<sup>TH</sup> ANNIVERSARY CELEBRATION & FAREWELL PARTY** with prize ceremony

- *Dinner at the Restaurant Croix de Culet (cable car at 19:00)*
- *Disco party at the bar La Crevasse*