PROGRAM OVERVIEW

SUNDAY, January 12

OPENING LECTURE

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

David POEPPEL | Max Planck Institute for Empirical Aesthetics, Frankfurt, Germany

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

MONDAY, January 13

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

TUESDAY, January 14

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

WEDNESDAY, January 15

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**

**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 - 15TH ANNIVERSARY SPECIAL KEYNOTE

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

19:00 15TH 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