PROGRAM OVERVIEW

SUNDAY, January 8th

OPENING LECTURE

16:00-17:30  Registration (Hotel Suisse)

17:30  Opening Keynote Lecture (Hotel Suisse Conference Room)

  Michael PLATT | University of Pennsylvania, USA
  - Climate Change and the Social Brain

18:30-20:30  Welcome Reception sponsored by CIBM Center for Biomedical Imaging

  (Hotel Suisse)

MONDAY, January 9th

Development of Numerical and Musical Skills

15:00  Welcome Coffee & posters

15:30  Elisabeth BRANNON | University of Pennsylvania, USA
  - Recent investigations characterizing the development and evolution of the approximate number system

16:20  Clara JAMES | University of Applied Sciences and Arts Western Switzerland HES-SO & University of Geneva, Switzerland
  - Never too late: musical training-driven brain and cognitive benefits in healthy elderly

16:40  Giovanni LEONE | Inserm, Paris, France
  - Plasticity in control and memory circuits forecasts PTSD symptoms evolution

17:00  Coffee Break

17:30  Psyche LOUI | Northeastern University, USA
  - Why Music Moves Us: New Directions in Music for Brain Health

18:20  Andrew YONELINAS | University of California, Davis, USA
  - The role of the hippocampus in working memory
TUESDAY, January 10th

**Interoceptive Awareness**

15:00 Welcome Coffee & posters

15:30 **Athina DEMERTZI** | Liège University, Belgium
- At the boundaries of mental state reportability

16:20 **Hal Blumenfeld** | Yale School of Medicine, USA
- Shared subcortical arousal networks across perceptual modalities

16:40 **Viviana LEUPIN** | University of Fribourg, Switzerland
- Interoceptive signals determine the earliest markers of awareness for visual threshold stimuli: evidence from ERPs and their sources

17:00 Coffee Break

17:30 **Anil SETH** | University of Sussex, UK
- From beast machines to dreamachines

18:20 **Andria PELENTRITOU** | University Hospital (CHUV) and University of Lausanne (UNIL), Switzerland
- Cardio-audio synchronization elicits neural and cardiac surprise responses in human wakefulness, sleep and coma

18:40 Poster Blitz Presentations

18:50-20:00 Poster Session: Clinical Neuroscience; Perception.

WEDNESDAY, January 11th

**Brain Dynamics**

15:00 Welcome Coffee & posters

15:30 **Diego VIDAURRE** | Aarhus University, Denmark
- Models to characterise endogenous and task-related brain network dynamics
16:20  **Thomas Koenig | University Hospital of Psychiatry, Translational Research Centre, & University of Bern, Bern, Switzerland**

- Towards a more objective use of resting-state EEG microstate findings across studies

16:40  **Matthias Müller | University of Leipzig, Germany**

- What if they were wrong? Putting the Pd and signal suppression hypothesis on a stress test with a multi-dimensional approach

17:00  **Coffee Break**

17:30  **Joana CABRAL | University of Minho, Portugal**

- Brain Energy Landscapes across conditions

18:20  **Erie BOORMAN | UC Davis, USA**

- Cognitive maps, cognitive control, and inference

18:40  **Poster Blitz Presentations**

18:50-20:00  **Poster Session: Clinical Neuroscience; Methods.**

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**THURSDAY, January 12th**

**Social Actions and Decisions**

15:00  Welcome Coffee & posters

15:30  **Emilie CROSS | Western Sydney University, Australia**

- Using human—robot encounters to explore human behavioural and brain plasticity

16:20  **Roland BENOIT | University of Colorado, Boulder & Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany**

- How imaginings shape our preferences: Computational and neural mechanisms of simulation-based learning

16:40  **Matthias GRUBER | Cardiff University, UK**

- Intrinsic functional connectivity determines how curiosity and prediction errors enhance memory

17:00  **Coffee Break**

17:30  **Matthew RUSHWORTH | University of Oxford, UK**

- What is special about the social brain?

18:20  **Richard RAMSEY | Macquarie University, Sidney, Australia**
Lonely brains at rest: A population neuroscience approach to understanding resting-state functional connectivity in lonely individuals

18:40 Elenor MORGENROTH | EPFL, Geneva, Switzerland

The neural organization of emotion experience during film

19:00-20:00 Moving to dinner location

20:00 Farewell dinner with prize ceremony

Restaurant “Le Gueullhi”