

**Alpine Brain Imaging Meeting**

2024

PROGRAM**SUNDAY, January 7th****OPENING LECTURE****16:00-17:30** Registration (Hotel Suisse)**17:30** Opening Keynote Lecture (Hotel Suisse Conference Room)**Nancy KANWISHER** | Massachusetts Institute of Technology (MIT), Boston, MA, USA

- *How Deep Learning Can Inform the Functional Organization of the Human Brain*

18:30-20:30 Welcome Reception (Hotel Suisse) *sponsored by***MONDAY, January 8th*****Evolution and Neurobiology of Language***

15:00 Welcome Coffee & posters

15:30 **Adrien MEGUERDITCHIAN** | Université Aix-Marseille, Marseille, France

- *The Gestural Origin of Language: What Baboons' Gestures & Brain Specialization have told us*

16:15 **Maël MAUCHAND** | McGill University, Montreal, Canada

- *How the voice elicits empathy: the case of complaints*

16:35 **Leonardo CERAVOLO** | University of Geneva, Switzerland

- *Directed lateral-to-medial temporal lobe connectivity underlies improved voice perception in noise*

16:55 **Coffee Break**

17:25 **Nina KAZANINA** | University of Geneva, Switzerland

- *Neurobiological substrate for language: What's on the agenda?*

18:10 **Paul SAUSENG** | University of Zurich, Switzerland

- *One to rule them all: Oscillatory brain activity as unified control mechanism for working memory and social cognition*

18:30 **Amelie HAUGG** | University of Zurich, Switzerland

- *Brain response dynamics during novel script reading as compared to familiar script reading*

18:50 **Poster Blitz Presentations**

19:00 - 20:15 **Poster Session: Emotion & Motivation; Language & Music; Perception;**

- with apero sponsored by



TUESDAY, January 9th

Brain Connectivity

15:00 Welcome Coffee & posters

15:30 **Catie CHANG** | Vanderbilt University, USA

- *Tracking time-resolved brain and physiological states in the individual*

16:15 **François Stockart** | Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, Grenoble, France

- *Cortical evidence accumulation for perceptual experience occurs irrespective of reports*

16:35 **Lars Muckli** | University of Glasgow, UK

- *The cortical microcircuitry of contextual processing in mice, monkeys, and humans*

16:55 **Coffee Break**

17:25 ➤ **Satu PALVA** | University of Helsinki, Finland

- *Regulation of brain oscillation and synchronization dynamics*

18:10 **Sandrine De Ribaupierre** | Western University, London, Canada

- *Exploring Functional Pathways and Corpus Callosotomy Microstructure in Infantile Hydrocephalus*

18:30 **Nawal KINANY** | University of Geneva & EPFL, Switzerland

- *In vivo parcellation of the human spinal cord functional architecture*

18:50 ➤ **Poster Blitz Presentations**

19:00 - 20:15 ➤ **Poster Session: Methods; with apero.**

WEDNESDAY, January 10th

Hedonia, Anhedonia

15:00 Welcome Coffee & posters

15:30 ➤ **Diego PIZZAGALLI** | Harvard University, USA

- *Translational and Cross-Species Approaches to Anhedonia: Implications for Treatment Development and Stratification*

16:15 **Luigi SACCARO** | University of Geneva, Switzerland

- *Hippocampal dynamic connectivity in emotion dysregulation disorders patients and offspring: a transdiagnostic vulnerability marker?*

16:35 **David ROMASCANO** | EPFL & University of Geneva, Switzerland

- *Relationship between limbic tract integrity, substance addiction and neuropsychiatric fluctuations in Parkinson's disease*

16:55 ➤ **Coffee Break**

17:25 ➤ **Morten KRINGELBACH** | University of Oxford, UK

- *Meaning making: Discovering the underlying hierarchical brain orchestration using music and whole-brain modelling*

18:10 **Enya M. WEIDNER** | Bielefeld University, Germany

- *Differential contributions of left and right temporal lobe resections to emotional face perception: Evidence from event-related potentials and stimulus-induced gamma-band activity*

18:30 **Charline PEYLO** | University of Zurich, Switzerland

- *Oscillatory signatures of memory matching in visual perception*

18:50 ▶ **Poster Blitz Presentations**

19:00-20:15 ▶ **Poster Session: Clinical Neuroscience; Learning & Memory; with apero**

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THURSDAY, January 11th

Clinical Multimodal Neuroimaging

15:00 Welcome Coffee & posters

15:30 ▶ **Gael CHETELAT** | Inserm, French institute for biomedical research, Caen, France

- *What does neuroimaging tell us about depression and meditation in aging populations?*

16:15 **Dorothea FLORIS** | University of Zurich & Donders Institute for Brain, Cognition, and Behavior, Radboud University Nijmegen

- *The individual-level, multimodal neural signature of face processing in autism within the fusiform gyrus*

16:35 **Joana SA DE ALMEIDA** | University of Geneva, Switzerland

- *Microstructural cortical maturation underlies longitudinal BOLD signal variability of emerging resting-state networks in preterm infants*

16:55 ▶ **Coffee Break**

17:25 ▶ **David CARMICHAEL** | King's College, London, UK

- *Structural and functional imaging of epilepsy at 7T*

18:10 **Emanuela DE FALCO** | EPFL, Lausanne, Switzerland

- *Subcortical and cortical neural signatures of hallucinations in Parkinson's disease*

18:30 **Fazilet Zeynep YILDIRIM-KELES** | University of Fribourg, Switzerland

- *Cross-validating the neurofunctional electrophysiological markers of early face categorization*

18:50 **Povilas TARAILIS** | University of Geneva, Switzerland

- *The sources of EEG microstates*

19:10 **Poster Blitz Presentations** | Travel Grant Awards *sponsored by*

- **Enya Weidner** | Bielefeld University, Germany

Differential contributions of left and right temporal lobe resections to emotional face perception: Evidence from event-related potentials and stimulus-induced gamma band activity

- **Akanksha Gupta** | Aix-Marseille Univ, Inserm, INS, Marseille, France

Decoding Spatiotemporal Processing of Speech and Melody in the Brain

- **Ilenia Salsano** | Boys Town National Research Hospital, Boys Town, USA

Neural correlates of semantically driven visual search in naturalistic scenes in older adults.

20:00

Farewell dinner *sponsored by*



**UNIVERSITÉ
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with prize ceremony *sponsored by*



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- *Restaurant "Le Gueullhi"*