

# Alpine Brain Imaging Meeting 2022

## PROGRAM OVERVIEW

SUNDAY, January 9<sup>th</sup>

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### OPENING LECTURE

16:00-17:30 **Registration** (Centre Paroissial et Culturel)

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

**Stanislas DEHAENE** | *Collège de France, Paris, France*

- *Symbols, languages and recursion: new data on the singularity of the human brain*

18:30-20:30 **Welcome Reception sponsored by CIBM**

(Hotel Suisse – outdoor in front of the Church)

MONDAY, January 10<sup>th</sup>

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### LANGUAGE & DEVELOPMENT

15:30 **Alicja M. OLSZEWSKA** | *Nencki Institute of Experimental Biology, Warsaw, Poland*

- *When Ears Deceive You. Processing of Auditory Incongruence in Musicians - preliminary results*

15:50 **Joanna BECK** | *Nencki Institute of Experimental Biology, Warsaw, Poland*

- *Letter and speech sound association in early blind children and adults*

16:10 **Angela PASQUALOTTO** | *University of Geneva, Geneva, Switzerland*

- *Enhancing reading skills through a video game mixing action mechanics and cognitive training*

16:30 **Ilaria SANI** | *University of Geneva, Geneva, Switzerland*

- *A three-node network for Attention and Object-space perception*

16:50 **Coffee Break**

17:30 **Lionel NACCACHE** | *Sorbonne University, CNRS, Paris, France*

- *Importance, limits and caveat of the use of Disorders of Consciousness to explore consciousness*

18:15 **Poster Blitz Presentations**

18:25-20:00 ▶ **Poster Session: Language & Music; Methods.**

**TUESDAY, January 11<sup>th</sup>**

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***SOCIAL PERCEPTION & COGNITION ACROSS PRIMATE SPECIES***

15:30 ▶ **Olga DAL MONTE** | *Dept. of Psychology, University of Turin, Italy*

- *Neural Mechanisms of Dynamic Social Interactions*

16:15 **Laura RIONTINO** | *University of Geneva, Geneva, Switzerland*

- *Cognitive control after-effects in the appraisal of other people's pain*

16:35 **Leonie KOBAN** | *Sorbonne University, Paris, France*

- *An fMRI-based brain marker of individual differences in delay discounting predicts overweight and metabolic markers*

16:55 ▶ **Coffee Break**

17:30 ▶ **Caspar M. SCHWIEDRZIK** | *European Neuroscience Center, Göttingen, Germany*

- *The face processing system as a test bed for theories on predictive processing*

18:15 ▶ **Poster Blitz Presentations**

18:25-20:00 ▶ **Poster Session: Clinical Neuroscience; Learning & Memory.**

**WEDNESDAY, January 12<sup>th</sup>**

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***EMOTIONS***

15:30 ▶ **Raffael KALISCH** | *Leibniz Institute for Resilience Research, Mainz, Germany*

- *Replicability in neuroimaging-based emotion research*

16:15 **Marius Vollberg** | *Harvard University, Boston, USA*

- *The Interplay between Episodic Memory and Empathy*

16:35 **Lauri NUMMENMAA** | *Turku PET Centre, Turku, Finland*

- *Opioidergic regulation of the human fear response*

16:55 ▶ **Coffee Break**

17:30 ▶ **Christian WAUGH** | *Wake Forest University, Winston-Salem, USA*

- *Positive Appraisal in the Regulation of Stress (PARS): A neuroaffective model*

**18:15** ▶ **Poster Blitz Presentations**

**18:25-20:00** ▶ **Poster Session: Emotion & Motivation ; Perception.**

THURSDAY, January 13<sup>th</sup>

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**CONSCIOUSNESS & DECISION MAKING**

**15:30** ▶ **Valentin WYART** | *Ecole normale supérieure, Paris, France*

- *Controllability shapes human learning and decision-making under uncertainty*

**16:15** **Herberto DHANIS** | *EPFL, Lausanne, Switzerland*

- *Bi-directional control over networks associated with robotically mediated hallucinations through co-activation pattern based real-time fMRI neurofeedback*

**16:35** **Lucas Peek** | *University of Geneva, Geneva, Switzerland*

- *Investigating the roles of Fusiform Face Area and Occipital Face Area in Human Face processing: a real-time fMRI neurofeedback study*

**16:55** ▶ **Coffee Break**

**17:30** **Christian MIKUTTA** | *University Hospital of Psychiatry, Bern, Switzerland*

- *Electrocorticographic activation patterns during Electroencephalographic microstates*

**17:50** **Olivier RENAUD** | *University of Geneva, Geneva, Switzerland*

- *The Cluster Depth Tests: Toward Point-Wise Strong Control of the Family-Wise Error Rate in Massively Univariate Tests in M/EEG*

**18:10** **Andrea SANTORO** | *EPFL, Geneva, Switzerland*

- *Unveiling the higher-order structure of multivariate time series*

**18:30** **Raphaël Liégeois** | *UNIGE, Geneva, Switzerland*

- *The statistical signature of the passage of time in fMRI time series*

**20:30** ▶ **Farewell dinner with prize ceremony**

- *Restaurant "Le Gueullhi"*