Alpine Brain Imaging Meeting 2017

PROGRAM OVERVIEW

Sunday, January 8	**CONFERENCE OPENING**

18:30-20:30 — Welcome reception & registration, HOTEL SUISSE.

Monday, January 9	**MEMORY AND LEARNING**

15:30 ⭐ **Daphna SHOHAMY** (Department of Psychology, Columbia University, New-York, *USA*).
How memory guides learning, exploration, and decisions.

16:20 **Vasiliki Liakoni** (École Polytechnique Fédérale de Lausanne, Lausanne, *Switzerland*).
Model-free, model-based and episodic memory contributions during learning in complex environments.

16:40 **He Xu** (École Polytechnique Fédérale de Lausanne, Lausanne, *Switzerland*).
Neural Correlates of Sequential Decision Making.

17:00 *Coffee Break*

17:30 ⭐ **Nick TURK-BROWNE** (Department of Psychology, Princeton University, New-Jersey, *USA*).
Multiple brain systems supporting learning and memory.

18:20 **Sven Collette** (California Institute of Technology, Pasadena, *USA*).
Characterizing value-based decision in humans and monkeys: an fMRI comparison.

18:40 **Maria Pefkou** (Auditory Language Group, University of Geneva, *Switzerland).*
Beta oscillations reflect speech intelligibility.

19:00 **Christian Mikutta** (Translational Research Center, Division of Clinical Research Support, Psychiatric Services University of Bern (UPD) University Hospital of Psychiatry, University of Bern, *Switzerland*).
Phase-coding supports detection of language syntax errors.

Tuesday, January 10	**NETWORK ANALYSIS AND MODELING**

15:30 ⭐ **Gustavo DECO** (Institució Catalana de Recerca i Estudis Avançats, Universitat Pompeu Fabra, Barcelona, *Spain*).
Novel concept of intrinsic ignition characterises the broadness of communication underlying different brain states.

16:20 **Djalel-Eddine Meskaldji** (MIPlab, Campus Biotech, University of Geneva and École Polytechnique Fédérale de Lausanne, Lausanne, *Switzerland*).
Disentangling coupling and anti-coupling in brain activity with joint extreme event based measures.

16:40 **Pieter Van Mierlo** (Functional Brain Mapping Lab, University of Geneva *Switzerland*).
Functional brain connectivity helps to localize seizures from EEG.

17:00 *Coffee Break*

17:30 ⭐ **Sylvain BAILLET** Department of Neurology, Neurosurgery & Biomedical Engineering, Montreal Neurological Institute, Montreal*, Canada).*
Mechanisms & dynamical structure of brain rhythms: from rest to perception.

18:20-20:00 — **Poster Session (Odd Numbers)**

Wednesday, January 11	**ATTENTION, MOTIVATION, CURIOSITY**

15:30 ⭐ **Jacqueline GOTTLIEB** (Department of Neuroscience, Columbia University, New-York, *USA).*
Motivated cognition: how our brains demand information and construct our reality.

16:20 **Lampros Perogamvros** (Department of Psychiatry, University of Wisconsin, *USA*).
The phenomenal contents and neural correlates of spontaneous thoughts across wakefulness, NREM sleep and REM sleep.

16:40 **Indrit Sinanaj** (Laboratory of Neurology and Imaging of Cognition, Department of Fundamental Neurosciences, University of Geneva, *Switzerland*).
Metacognition of visuomotor performance in conversion disorders.

17:00 *Coffee Break*

17:30 ⭐ **Marvin CHUN** (Department of Psychology, Yale University, New-Haven, Connecticut*, USA*).
Decoding and predicting attention.

18:20-20:00 — **Poster Session (Even numbers)**

Thursday, January 12	**SYSTEM-LEVEL BRAIN CIRCUITS**

15:30 ⭐ **Danielle BASSETT** (Department of Bioengineering, Pennsylvania State University, Philadelphia, *USA*).
Network Reconfiguration: Functional Role and Structural Predictors.

16:20 **Lars Muckli** (University of Glasgow, *UK*).
Visual Predictions in Different Layers of Visual Cortex.

16:40 **Annekathrin Schacht** (Institute of Psychology, University of Goettingen, *Germany*)
Effects of Associated and Inherent Emotional Salience on Face Processing: Evidence from Event-Related Brain Potentials (ERPs).

17:00 *Coffee Break*

17:30 ⭐ **Jin HYUNG LEE** (Department of Neurology, Neurosurgery, Bioengineering and Electrical Engineering, Stanford University, California, *USA*).
Optogenetic fMRI and the Investigation of Global Brain Circuit Mechanisms.

18:20 **Lisa Stacchi** (University of Fribourg, *Switzerland*).
Let's Face It – Idiosyncratic Neural Signatures of Face Discrimination.

18:40 **Agnieszka Burzynska** (Colorado State University, *USA*).
White matter integrity declined over 6-month, but dance intervention improved integrity of the fornix of older adults.

19:00 **Nicolas Langer** (University of Zurich, *Switzerland*).
A "Neurometric" Approach to Cognitive Aging.

20:30 **Farewell party with prize ceremony**
Swiss Fondue at the restaurant "Le Gueullhi"
(details will be provided during the conference)