

Alpine Brain Imaging Meeting 2015

Program overview

Sunday, January 11 Opening Keynote Lectures

15:00-19:00 Registration, Salle Villageoise

16:30 ★ **Jack Gallant** (*Helen Wills Neuroscience Institute, Berkeley, USA*)
Functional mapping of cortical areas mediating natural behavior

17:20 ★ **Nikos Logothetis** (*Max Planck Institute for Biological Cybernetics, Tübingen, Germany*)
NET-fMRI of Large-Scale Brain Networks: Mapping Dynamic Connectivity during Epochs of Synaptic and System Consolidation

18:30-20:00 Welcome Reception, Hotel Suisse

Monday, January 12 Emotion Perception

15:30 ★ **Christian Büchel** (*Dept. of Systems Neuroscience, Hamburg, Germany*)
Pain and pain regulation: from spinal to cortical processing

16:20 **Lauri Nummenmaa** (*Dept. of Biomedical Engineering and Computational Science, Aalto University, Finland*)
Speaker-listener emotional contagion synchronizes brain activity across individuals.

16:35 **Roy Salomon** (*Laboratory of Cognitive Neuroscience, EPFL, Switzerland*)
Insula mediates suppression of visual stimuli synchronized to heartbeat from consciousness

16:50 Coffee Break

17:20 ★ **Jorge Armony** (*Centre for Research on Brain, McGill University, Montreal, Canada*)
Fear across domains and modalities: Behavioural and neural responses to facial, vocal and musical emotional expressions

18:10 **Maria-Efstratia Tsimpanouli** (*University of Manchester, UK*)
Cueing emotional memories during slow-wave sleep

18:25 **Virginie Sterpenich** (*Dept. of Neuroscience, Faculty of Medicine, University of Geneva, Switzerland*)
Victory triggers spontaneous memory reactivation during sleep: A spatiotemporal fMRI brain decoding study

18:40 **Matias Baltazar** (*Laboratoire de Psychopathologie et Neuropsychologie, Université Paris 8, France*)
How does eye contact enhance self-awareness?

18:55 **Jari Peräkylä** (*Behavioral Neurology Research Unit, Tampere University Hospital, Tampere, Finland*)
Deep brain stimulation of the anterior nuclei of thalamus compromises frontal top-down control

Tuesday, January 13 Emotion Learning

15:30 ★ **Liz Phelps** (*Phelps Lab, New York University, New York, USA*)
Changing Fear

16:20 **Beatrice De Gelder** (*Brain and Emotion Laboratory, Faculty of Psychology and Neuroscience, Maastricht University, the Netherlands*)
Ambiguous social threat perception and the role of the basolateral amygdala – evidence from fMRI

16:35 **Gilles Pourtois** (*Dept. of Experimental Clinical & Health Psychology, Ghent University, Belgium*)
Modulation of the earliest stimulus-driven wave of activation in human primary visual cortex through competition with endogenous attention

16:50 Coffee Break

17:20 ★ **Paul Whalen** (*Dartmouth College, Hanover, NH, USA & University of Reading, UK*)
Neural Responses to the Multiple meanings of Fear Predict Attention, Bias and Personality

18:10 **Sonia Bishop** (*Dept. Psychology & HwNI UC Berkeley, USA*)
Integrating modeling into affective cognitive neuroscience

18:25-20:00 Poster Session

Wednesday, January 14 Attention

15:30 ★ **Maurizio Corbetta** (*Dept. of Neurology, Washington University, St. Louis, USA*)
Dynamic changes in brain connectivity and synchronization: from rest to attention

16:20 **Uta Noppeney** (*Computational Neuroscience & Cognitive Robotics Centre University of Birmingham, UK*)
Cortical Hierarchies Perform Bayesian Causal Inference in Multisensory Perception

16:35 **Maria Giulia Preti** (*MIPLab, Institute of Bioengineering, EPFL, Switzerland*)
Riding the phase: exploring phase-dependencies of consistent patterns of dynamic functional connectivity

16:50 Coffee Break

17:20 ★ **Kia Nobre** (*Oxford Centre for Human Brain Activity and Dept. of Experimental Psychology, University of Oxford*)
Premembering Perception

18:10 **Jonas Richiardi** (*Dept. of Neurology and Neurological Sciences, Stanford University, USA*)
Genetic bases of functional brain networks

18:25-20:00 Poster Session

Thursday, January 15 Special Anniversary Day

13:00-15:00 10th Anniversary Social Event

17:00 – on **Anniversary gala, dinner and farewell party with prize ceremony, sponsored by the commune of Champéry, featuring:**

17:00 ★ **Ray Dolan** (*Wellcome Trust Centre for Neuroimaging, University College London, UK*)
Value for self, others and psychopathology

17:50 Reception drinks

18:30 **Christophe Dumarest, top-level alpinist, lecture sponsored by the commune of Champéry**

19:20 Starter buffet

20:00 **Petr Janata** (*Center for Mind and Brain, University of California, Davis, USA*)
The ABIM experiment: First turns toward the cognitive neuroscience of skiing moguls

20:30 - on Main course and dessert, DJ and bar service