

## Oct. 2, 2014

8h:30 – 09:00 Registration & Welcome Address by the director if the INT **Guillaume Masson**

### **Session 1 chair: Sabrina Ravel**

09:00 - 09:45 **Hagai Bergman** (Jerusalem, Israel): *Computational physiology of the basal ganglia and their disorders*

09:45 - 10:30 **Jean-Antoine Girault** (Paris, France): *Epigenetics of striatal neurons*

10:30 – 11:00 *coffee break & posters*

11:00 - 11:45 **Wolfram Schultz** (Cambridge, UK): *Neuronal reward and risk signals*

11:45 - 12:05 **Alexandre Eusebio** (INT, BaGaMoRe): *The role of the subthalamic nucleus in motivated behaviours : evidence from deep brain stimulation and recordings in Parkinson's disease*

12:05 - 12:25 **Pascal Belin** (INT, BaNCo): *Cerebral processing of vocal emotion: discrete vs. continuous representations*

12:30 – 14:30 *lunch & posters*

### **Session 2: chair Ivo Vanzetta**

14:30 - 15:15 **Valentina Emiliani** (Paris, France): *Wave front shaping and optogenetics*

15:15 - 16:00 **Gilles Laurent** (Frankfurt, Germany): *Explorations of a simple visual cortex*

16:00 – 16:30 *coffee break & posters*

16:30 - 17:15 **Tobias Bonhoeffer** (München, Germany): *How experience changes synapses in the mammalian brain*

17:15 - 17:35 **Franck Débarbieux** (INT, ImaPath): *Imaging neuroinflammation in the pathological CNS*

17:35 - 17:55 **Björn Kampa** (INT, ViCoFun): *From connectivity to function: a specific micro-circuit for cortical representation of visual scenery*

18:30 *wine & cheese reception & posters*

Oct. 3, 2014

**Session 3: chair Alexa Riehle**

09:00 - 09:45 **Atsushi Iriki** (Tokyo, Japan): *Evolution of primate intelligence by the triadic interaction of neural, cognitive, and ecological niches*

09:45 - 10:30 **Michel Desmurget** (Bron, France): *Mapping the sensorimotor system: beyond Penfield*

10:30 – 11:00 *coffee break & posters*

11:00 - 11:45 **Paul Cisek** (Montréal, Canada): *Neural mechanisms for making decisions in a dynamic world*

11:45 - 12:05 **Björg Kilavik** (INT, CoMCo): *The ups and downs of beta oscillations in monkey motor cortex*

12:05 - 12:25 **Anna Montagnini** (INT, InVibe): *Visual tracking under uncertainty: probabilistic inference underlying human eye movements*

12:30 – 14:30 *lunch & posters*

**Session 4: chair Jean-Charles Viemari**

14:30 - 15:15 **Gordon Shepherd** (Chicago, USA): *Circuit organization of mouse motor cortex*

15:15 - 16:00 **Cyril Herry** (Bordeaux, France): *Neuronal signature of fear memory in distributed neuronal networks*

16:00 – 16:30 *coffee break & posters*

16:30 - 17:15 **Tadashi Isa** (Okazaki, Japan): *Large-scaled network reorganization through post-injury functional recovery*

17:15 - 17:35 **Frédéric Brocard** (INT, P3M): *Non-linear properties in spinal cord neurons*

17:35 - 17:55 **Eric Fakra** (INT, SteVe): *Schizophrenia or the constant struggle to regulate emotions*

18:30 Farewell Apéritif

**Organizing Committee:**

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