

## **UE Neural Basis of Cognition - with the support of Labex Cortex**

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**Before the talks: Read important papers to optimize the understanding of UE "Neural Basis of Cognition".**

### **Monday November 20, 2023 - CEREBRAL PLASTICITY and APPLICATIONS**

Amphitheater "Institut des Sciences Cognitives Marc Jeannerod" (Bron)

- 09.00-10.00 **General Introduction.** I Cristofori (ISCMJ) & C Amiez (SBRI)  
Instruction for the organization of the UE  
How to prepare for the exam
- ~~10.30-12.00 **Plasticity of body and space representations.** C Brozzoli (CRNL)-CANCELED~~
- 14.00-15.30 **The limits of brain plasticity.** M. Desmurget (ISCMJ)
- 15.30-17.00 **Plasticity after tumor resection.** P-A Beuriat (ISCMJ, HFME)

### **Tuesday November 21, 2023 – SOCIAL COGNITION**

Amphitheater "Institut des Sciences Cognitives Marc Jeannerod" (Bron)

- 09.00-10.30 **Sensory perception and emotions in NHP.** F Hadj-Bouziane (CRNL)
- 10.30-12.00 **Thinking others in primates.** J Sallet (SBRI)
- 14.00-15.30 **The science of social vision.** L Papeo (ISCMJ)
- 15.30-17.00 **The role of attention during the processing of emotional natural scenes.** V Ferrari (University of Parma, Italy) - VISIOCONFERENCE

### **Wednesday November 22, 2023 – ONTOGENESIS CONTRIBUTION TO COGNITION**

Amphitheater "Institut des Sciences Cognitives Marc Jeannerod" (Bron)

- 09.00-10.30 **Mental representation in infancy.** JR Hochmann (ISCMJ)
- 10.30-12.00 **Educating the mathematical brain.** J Prado (CRNL)
- 14.00-15.30 **The adolescent brain.** M-H Grosbras (Lab Neurosciences Cognitives, CNRS, Marseille)
- 15.30-17.00 **The impact of social experiences on development.** P-F Ferrari (ISCMJ)

### **Thursday November 23, 2023 – PHYLOGENESIS CONTRIBUTIONS TO COGNITION**

Amphitheater "Institut des Sciences Cognitives Marc Jeannerod" (Bron)

- 9.00-10.30 **Evolution of language: phylogenetic and ontogenetic perspectives.** C Crockford (ISCMJ)
- 10.30-12.00 **On the Gestural Origin of Language: What Primate's Behavior, Cognition and Brain tell us**  
A Meguerdichian (Cognitive Psychology Laboratory of NeuroMarseille)
- 14:00- 15.30 **A neuro-primatological approach to decision-making** S Ballesta (Univ. of Strasbourg)
- 15:30- 17:00 **Neuronal processes underlying motivation in primates.** S Bouret (ICM, Paris)

### **Friday November 24, 2023 – LEARNING & COGNITION**

Amphitheater "Institut des Sciences Cognitives Marc Jeannerod" (Bron)

- 9.00-10.30 **Neurophysiological correlates of learning to learn abilities.** C Wilson (SBRI)
- 10:30-12.00 **Learning and hippocampus.** S Wirth (ISCMJ).
- 14.00-15.30 **From voluntary to automatic actions: The role of dopamine on corticostriatal circuits involved in procedural learning.** L Tremblay (ISCMJ)