

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 18, 2024 - CEREBRAL PLASTICITY and APPLICATIONS

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

- 09.30-11.00 **General Introduction.** I Cristofori (ISCMJ) & C Amiez (SBRI)
Instruction for the organization of the UE
How to prepare for the exam
- 11.00-12.30 **Plasticity after tumor resection.** P-A Beuriat (ISCMJ, HFME)
- 14.00-17.00 Article reading session

Tuesday November 19, 2024 - SOCIAL COGNITION

Amphitheater "Neurocampus" CRNL (Bron)

- 09.30-11.00 **Sensory perception and emotions in primates.** F Hadj-Bouziane (CRNL)
- 11.00-12.30 **Thinking others in primates.** J Sallet (SBRI)
- 14.00-15.30 **The science of social vision.** L Papeo (ISCMJ)
- 15.30-17.00 **Neurocomputational mechanisms engaged in social interactions** JC Dreher (ISCMJ)

Wednesday November 20, 2024 - LEARNING & COGNITION

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

- 09.30-11.00 **Neurophysiological correlates of learning to learn abilities.** C Wilson (SBRI)
- 11.00-12.30 **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)
- 15.30-17.00 **Motor learning in healthy individuals.** Q Moreau (ISCMJ)

Thursday November 21, 2024 - PHYLOGENESIS CONTRIBUTIONS TO COGNITION

Amphitheater "Neurocampus" CRNL (Bron)

- 09.30-11.00 **Evolution of language: phylogenetic and ontogenetic perspectives.** C Crockford (ISCMJ)
- 11.00-12.30 **On the Gestural Origin of Language: What Primate's Behavior, Cognition and Brain tell us**
A Meguerditchian (Cognitive Psychology Laboratory of NeuroMarseille)
- 14.00- 15.30 **Neuronal processes underlying motivation in primates.** S Bouret (ICM, Paris)
- 15.30- 17.00 **Neuroanatomical correlates of macaques' social tolerance grade.** S Ballesta (Univ. of Strasbourg)

Friday November 22, 2023 - ONTOGENESIS CONTRIBUTION TO COGNITION

Amphitheater "Neurocampus" CRNL (Bron)

- 09.30-11.00 **Mental representation in infancy.** JR Hochmann (ISCMJ)
- 11.00-12.30 **The impact of social experiences on development.** P-F Ferrari (ISCMJ)
- 14.00-15.30 **Educating the mathematical brain.** J Prado (CRNL)