

Please note that the Institute for Cognitive Science recommends wearing a mask during lectures in the amphitheater. (Institut des Sciences Cognitives Marc Jeannerod, 67 boulevard Pinel, Bron).

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

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Wednesday November 2, 2022 - CEREBRAL PLASTICITY

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

- 11.00-12.00 **Introduction, concepts and paradigms.** P Giraux (LIBM, St Etienne)
- 13.00-14.00 **Plasticity of body and space representations.** C Brozzoli (CRNL)
- 14.00-15.00 **The limits of brain plasticity.** M. Desmurget (ISCMJ)
- 15.00-16.00 **Plasticity after tumor resection.** P-A Beuriat (ISCMJ, HFME)

Thursday November 3, 2022 – PHYLOGENESIS CONTRIBUTIONS TO COGNITION

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

- 09.00-10.00 **What can we learn from comparative neuroscience and paleontology?** C Amiez (SBRI)
- 10.00-11.00 **Evolution of language: phylogenetic and ontogenetic perspectives in primate behaviour and brains.** C Crockford (ISCMJ)
- 11.00-12.00 **Understanding ones social environment - social cognition in non-human primates.** R Witting (ISCMJ)
- 13.30-14.30 **On the Gestural Origin of Language : What Primate's Behavior, Cognition and Brain tell us A** Meguerdichian (Université Aix-Marseille)
- 14:30- 15:30 **Biological and psychological basis of decision-making in non-human primates.** S. Ballesta (Université de Strasbourg)
- 15:30- 16:30 **Neuronal processes underlying motivation in primates.** S. Bouret (ICM, Paris)

Friday November 4, 2022 – SOCIAL COGNITION

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

- 09.00-10.00 **Sensory perception and emotions: visual pathways and face perception network in primates.** F. Hadj-Bouziane (CRNL)
- 10.00-11.00 **Thinking others in primates.** J Sallet (SBRI)
- 11:00-12.00 **Behavioral and electrophysiological approaches to decision-making.** D Thura (CRNL)
- 13:30-14.30 **From voluntary to automatic actions: The role of dopamine on corticostriatal circuits involved in procedural learning.** L Tremblay (ISCMJ)
- 14.30-15.30 **The science of social vision.** L Papeo (ISCMJ)
- 15.30-16.30 **Explicit vs implicit theory of mind.** L Bardi (ISCMJ)

Monday November 7, 2022 – ONTOGENESIS CONTRIBUTION TO COGNITION

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

- 09.00-10.00 **Mental representation in infancy.** JR Hochmann (ISCMJ)
- 10.00-11.00 **Educating the mathematical brain: how the school and home environment affect children's brain circuits for numbers.** J Prado (CRNL)
- 11.00-12.00 **Social cues processing in the adolescent brain.** Marie-Hélène Grosbras (Université Aix-Marseille)