

## Master 2 Neurosciences Fondamentales et Cliniques - UCB Lyon 1

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

Coordination Yves Rossetti ([yves.rossetti@inserm.fr](mailto:yves.rossetti@inserm.fr)) & Aurélie Bidet-Caulet ([aurelie.bidet-caulet@inserm.fr](mailto:aurelie.bidet-caulet@inserm.fr))

#### VISION

**Wednesday October 30, 2019**

Amphithéâtre "Neurocampus" (Vinatier, Bron)

- 09.00-10.20 **Conceptions and open questions on the visual brain.** Y Rossetti (CRNL)
- 10.30-12.00 **Neuropsychological approach to the dorsal pathway.** L Pisella (CRNL)
- 14.00-15.20 **Animal electrophysiology of the ventral route.** P Girard (CERCO Toulouse)
- 15.30-16.50 **Neural coding in the visual system.** O Marre (Institut de la Vision, Paris)

#### AUDITION

**Monday November 4, 2019**

Amphithéâtre "Neurocampus" (Vinatier, Bron)

- 09.00-10.30 **Introduction to the auditory system.** A Fiveash (CRNL)
- 10.45-12.00 **Human electrophysiology of auditory attention.** A Bidet-Caulet (CRNL)
- 14.00- 15.15 **Auditory plasticity and clinical implications.** A Moulin (CRNL)

#### PLASTICITY

**Wednesday November 6, 2019**

Amphithéâtre "Neurocampus" (Vinatier, Bron)

- 09.00-10.20 **Introduction, concepts and paradigms.** P Giraux (LIBM, St Etienne)
- 10.30-11.50 **Plasticity of body and space representations.** C Brozzoli (CRNL)
- 14.00-15.20 **Normal and pathological neurodevelopment of cognition.** A. Curie (HFME, ISCMJ)
- 15.30-16.50 **Sensori-motor development.** C Schmitz (CRNL)

#### ACTION

**Friday November 8, 2019**

Amphithéâtre "Neurocampus" (Vinatier, Bron)

- 09.00-09.30 **From reflexes to intention: questions for the motor system** Y Rossetti (CRNL)
- 9h35-10h30 **Voluntary action and automatisms: cortico-stripped circuits.** L Tremblay (ISCMJ)
- 10.45-12.00 **Electrophysiological approaches to decision making.** D Thura (CRNL)
- 14.00-15.20 **Intentionality and agentivity.** C Farrer (CERCO Toulouse)
- 15.30-16.50 **Anticipation and correction of errors : a sensori-motor dialogue.** B Burle (Marseille)