



« Functional Neuroanatomy: an overview of the main brain systems »

The nervous system is a complex organ ensuring the integration of incoming environmental information and the coordination of subsequent responses. Nowadays, it has become clear that these functions are not related to restricted brain areas but implemented in wide brain systems. The integrated functioning of distributed brain structures gives rise to functional systems leading to behavioral or motor abilities. This educational course includes 13 lessons (2 hours/each) and aims to give to the PhD students a general understanding of the functional and structural organization of these brain systems.

Date: To be confirmed soon (end of February to end of March 2023)

Location: NeuroSchool, Timone campus

Program:

- Basics of neuroanatomy (Dr Peter Bede)
- Visual system (Dr Frédéric Chavane)
- Auditory system (Dr Pascal Belin)
- Memory in human (Dr Olivier Félician)
- Memory/Attention in non-human primate (Dr Guilhem Ibos)
- Motor control in human and non-human primates (Dr Thomas Brochier)
- Somatosensory systems (Dr Anne Kavounoudias)
- Basal ganglia, motor and clinical aspects (Dr Alexandre Eusebio)
- Basal ganglia, non-motor aspect and motivation (Dr Paul Apicella)
- Thalamus (Dr Romain Carron)
- Executive control (Dr Emmanuel Procyk)
- Functional connectivity (Dr Jan-Patrick Stellmann)
- Functional neuroanatomy applied to clinics (Dr Adil Maarouf)