



Symposium «Frontiers in medial prefrontal cortex research»

8h00-8h30 Welcome and Coffee

8h35-10h45: Comparative functional anatomy, Chair: J. Sallet (Oxford University, Oxford)

- R. Mars (Oxford University, Oxford) **How to compare different brains?**
- S. Bouret (ICM, Paris) **Comparative functional anatomy of the ventro-medial prefrontal cortex: insight from behavioral ecology**
- S. Parkes (INCIA, Bordeaux) **Cortical determinants of choice behaviour in rats**
- M. Laubach (American University, Washington DC) **What, if anything, is rodent prefrontal cortex?**
- C. Amiez (SCBRI, Lyon) **The medial frontal cortex organization across primates**

10h15 Round Table

10h55: Coffee break 20'

11h15-12h45: Functional Interactions in Medial Network, Chair: J. Scholl (Oxford University, Oxford)

- M. Rushworth (Oxford University, Oxford) **Interactions between temporal lobe and medial frontal wall during decision making in macaques**
- C. Herry (NCM, Bordeaux) **Prefrontal midbrain circuits controlling fear behavior**
- F. Gambino (IINS, Bordeaux) **Association of convergent inputs in frontal circuit enhances perceptual discrimination**

12h15 Round Table

12h55-14h10 Lunch break

14h10-14h55 Lecture: Stefan Everling (Western University, London ON) Functional subregions of the marmoset cingulate cortex identified by high-field resting-state fMRI

14h55-16h15 Current theoretical frontiers, Chair: N. Kolling (Oxford University, Oxford)

- M. Khamassi (ISIR, Paris) **Meta-learning processes involving the mPFC**
- J. O'Reilly (Oxford University, Oxford) **Medial Prefrontal cortex: control of internal models**
- D. Durstewitz (CIMH, Mannheim) **Inferring computational dynamics from neuronal measurements**
- F. Alexandre (IMN, Bordeaux) **Modelling the medial prefrontal cortex for the motivated behaviour of an autonomous agent in the Minecraft video game**

16h15 Round Table

16h55 Coffee break: 15'

17h10-18h50 Current methodological frontiers, Chair: M. Klein-Flugge (Oxford University, Oxford)

- M. Wolff (INCIA, Bordeaux) **Deconstructing thalamocortical circuits of adaptive decision-making**
- C. Wilson (SCBRI, Lyon) **How can we measure true cortico-cortical functional interactions in macaque frontal cortex?**
- E. Russo (CIMH, Mannheim) **Cell assembly detection and the multiple time scales of the brain**

18h10 Round Table