

ESRS-SFRMS Mini-conference “Sleep regulation and functions”

Joint program to the FENS forum in Paris, July 9th, 2022

9h : Welcome to participants

9h05 - 10h35: **Session 1: Neurobiology of sleep and sleep disorders**

Chairwoman: Lucie Barateau

- NREM sleep and neurological disorders: A bidirectional relationship with therapeutic potential, Daniela Noain (University Hospital of Zurich, Switzerland)
- Neurobiology of REM sleep, Christelle Peyron (Center for Research in Neuroscience of Lyon (CRNL), France)
- Neurobiology of Sleep disorders, Lucie Barateau (CHU-Montpellier, France)

20' Break

11h00- 12h20 : **Session 2: Origin, modulation and Role of sleep oscillations**

Chairwoman: Christelle PEYRON

- A role for midline thalamic nuclei in coordinating cortical sleep oscillations, Audrey Hay (CRNL, France)
- When the locus coeruleus speaks up in sleep: advancing the neurobiology of sensory vigilance, Anita Luthi (University of Lausanne, Switzerland)
- Excitatory and inhibitory calcium activity during sleep, Niels Niethard (University of Tuebingen, Germany)
- Brain neural pattern and the memory function of sleep, Gabrielle Girardeau (Institut du Fer à Moulin, France)

Lunch

13h30-14h50 : **Session 3 : Sleep and neurodegeneration**

Chairman: Laurent Seugnet

- The glymphatic system and its relation to sleep : Iben Lundgaard (Lund University, Sweden) :
- Sleep and cognition in neurodegenerative diseases, Gilles Vandewalle (University of Liège, Belgium)
- Histopathology of sleep networks in neurodegenerative diseases, Rolf Fronczek (Leiden university medical center, Netherland)
- REM-sleep-behavior disorder as a precursor of a-synucleopathies, Alex Iranzo (Hospital clinic Barcelona, Spain)

14h50: closing remarks

Organizing committee on behalf of the SFRMS and the ESRS: Christelle Peyron (CRNL, France), Laurent Seugnet (CRNL, France), Lucie Barateau (Montpellier, France)