

## PROGRAMME DES « RENCONTRES TRANSLATIONNELLES DE NEUROSPIN »

## NEUROSPIN TRANSLATIONAL MEETING PROGRAM

*Neuroimaging and neuromodulation :  
image-guided intervention in neurodevelopmental, neurological and psychiatric disorders*

Friday 28<sup>th</sup> November 2025

- 11h00 Reception
- 11h15 Welcome address & presentation of NeuroSpin. [David Germanaud \(NeuroSpin, Gif sur Yvette\)](#)  
Presentation of the meeting
- 11h30 1<sup>st</sup> conference - 45min talk and 15min round table  
**Neuroimaging of music therapy in preterm neonates in the NICU**  
[Petra Hüppi \(University Hospitals, Geneva\)](#)  
Chair & discussants: [Jessica Dubois \(NeuroSpin, Gif/Yvette\)](#), [Valérie Biran \(Hospital Robert Debré, Paris\)](#)
- 12h30 Lunch - Large poster display in the Galeria
- 14h00 Session 1 – 40min talks and 20min discussion  
***Imaging of developmental neuromodulation through early motor intervention.***  
Chair & discussants: [Petra Hüppi \(Geneve\)](#), and *To be announced*
- **Neuroimaging of HABIT-ILE intervention in young children with cerebral palsy**  
*to be announced*
  - **Neuroimaging of early sensorimotor development and modulation through locomotor training in preterm infants**  
[Jessica Dubois \(NeuroSpin, Gif/Yvette\)](#)
- 15h00 Session 2 – 40min talks and 20min discussion  
***Cerebral stimulation and imaging in psychiatry***  
Chair & discussants: [Pauline Favre \(NeuroSpin, Gif/Yvette\)](#), [Dr Noomane Bouaziz \(Psychiatry – EPS Ville-Evrard\)](#)
- **Neuroimaging and Brain Stimulation in Psychiatry: Mechanisms and Therapeutic Targets**  
[Charles Laidi \(NeuroSpin, Gif/Yvette\)](#)
  - **Diffusion MRI and non-invasive brain stimulation in resistant depression**  
[Marion Plaze \(GHU Sainte-Anne, Paris\)](#)
- 16h00 Break
- 16h30 Session 3 – 60min talks and 30min discussion  
***Neuroimaging, neuromodulation, neuroeducation***  
Chair & discussants: [Marie Amalric \(NeuroSpin/Gif/Yvette\)](#), and [Domitille Gras \(Robert Debré, Paris\)](#).
- **How musical training shapes the child's brain: A longitudinal fMRI and MEG study**  
[Théo Morfisse \(NeuroSpin, Gif/Yvette\)](#)
  - **Dyslexia, transcranial or auditory stimulation, EEG – Inhibitory control training**  
[Sophie Bouton \(CNRS, Paris\)](#)
  - **Modulating brain activity to remediate math learning difficulties and enhance math performance.**  
[Roi Cohen Kadosh \(University of Surrey, United Kingdom\)](#) *to be confirmed*
- 17h30 Aperitif in the Galeria - Large poster display in the Galeria (from Friday 10h to Saturday 16h)
- 19h00 End of first day

Saturday 29th November 2025

- 09h30 2<sup>nd</sup> conference – 45min talk and 15min discussion  
**role of multi-modal MRI in personalized target selection and precise coil positioning in rTMS – Focus on OCD**  
Odile Van Den Heuvel (Professor of Neuropsychiatry, Amsterdam)  
Chair & discussants: Charles Laidi (NeuroSpin), Jean-Marie Batail (Rennes),
- 10h30 Break
- 11h00 Session 4 – 60min talks and 30min discussion  
**Imagery and neurofeedback in psychiatry**  
Chair & discussants: Charles Laidi (NeuroSpin), and *to be announced*
- **Neurofeedback with real-time fMRI: from cognitive neuroscience to therapeutic application In psychiatry**  
Pauline Favre, (NeuroSpin, Gif/Yvette)
  - **fMRI based neurofeedback to relieve drug-resistant hallucinations**  
Renaud Jardri (PUPH of psychiatry, Lille)
  - **Personalisation of a bimodal neurofeedback task based on the recollection of positive memories in depression**  
Jean-Marie Batail (Psychiatry - Centre Hospitalier Guillaume Régnier, Rennes)
- 12h30 Lunch
- 13h30 3<sup>rd</sup> conference – 45min talk and 15min round table  
**Improving decision-making and learning with ultrasound neuromodulation**  
Elsa Fouragnan (University of Plymouth)  
Chair & discussants: Béchir Jarraya, (NeuroSpin, Gif/Yvette), Pr Jean-Jacques Lemaire, (CHU, Institut Pascal UCA-CNRS-INP, Clermont-Ferrand)
- 14h30 Session 5 – 40min talks and 20min discussion  
**Ultrasonic neuromodulation: a new area in deep brain stimulation ?**  
Chair & discussants: Benoit Larrat (Therasonic), Elsa Fouragnan (University of Plymouth)
- **Transcranial ultrasound stimulation: current clinical applications to movement disorders and psychiatric disorders**  
Jean-François Aubry (CNRS Inserm,ESPCI, Paris PSL)
  - **Ultrasonic neuromodulation : effects on decision-making and consciousness**  
Alessandro Bongioanni, (NeuroSpin, Gif/Yvette)
- 15h30 Closing intervention  
David Germanaud (NeuroSpin, Gif sur Yvette)
- 16h00 End of symposium

