

## 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 \(NeuroDiderot, NeuroSpin\)](#)  
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 \(Geneva University Hospitals\)](#)  
Chair & discussants: [Jessica Dubois \(NeuroDiderot, NeuroSpin\)](#), [Valérie Biran \(AP-HP Robert-Debré, NeuroDiderot, Paris\)](#)
- 12h30 Lunch - Large poster display in the Galeria
- 14h00 Session 1– 40min talks and 20min discussion  
**Imaging of developmental neuromodulation through early intervention.**  
Chair & discussants: [Petra Hüppi \(Geneva University Hospitals\)](#), [Lucie Hertz-Pannier \(NeuroDiderot, NeuroSpin\)](#)
- **The painful brain: pain experience in early infancy**  
[Rebecca Slater \(University of Oxford\)](#)
  - **Neuroimaging of early sensorimotor development and modulation through locomotor training in preterm infants**  
[Jessica Dubois \(NeuroDiderot, NeuroSpin\)](#)
- 15h00 Session 2 – 40min talks and 20min discussion  
**Cerebral stimulation and imaging in psychiatry**  
Chair & discussants: [Pauline Favre \(NeuroSpin, IMRB\)](#), [Noomane Bouaziz \(NeuroSpin, Hôpital de Ville-Evrard \)](#)
- **Neuroimaging and Brain Stimulation in Psychiatry: Mechanisms and Therapeutic Targets**  
[Charles Laidi \(NeuroSpin, IMRB\)](#)
  - **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: [Ghislaine Dehaene-Lambertz \(NeuroSpin\)](#), [Domitille Gras \(AP-HP Kremlin-Bicêtre, Paris\)](#).
- **How musical training shapes the child's brain: A longitudinal fMRI and MEG study**  
[Théo Morfisse \(NeuroSpin\)](#)
  - **Leveraging Noninvasive Stimulation to Treat Dyslexia**  
[Sophie Bouton \(Institut de l'audition, Paris\)](#)
  - **Following Mathematical Learning with fMRI.**  
[Marie Amalric \(NeuroSpin\)](#)
- 17h30 **“Providing open, innovative & collaborative systems, tools and platforms in the service of the research and medical community”**  
[Aurélien Massire \(SIEMENS Healthineers\)](#)
- 17h45 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 (University Medical Center, Amsterdam)  
Chair & discussants: Charles Laidi (NeuroSpin, IMRB), Luc Mallet (AP-HP Henri-Mondor)
- 10h30 Break
- 11h00 Session 4 – 60min talks and 30min discussion  
**Imagery and neurofeedback in psychiatry**  
Chair & discussants: Charles Laidi (NeuroSpin, IMRB), Aline Lefebvre (NeuroSpin, AP-HP Kremlin Bicêtre)  
**Neurofeedback with real-time fMRI: from cognitive neuroscience to therapeutic application In psychiatry**  
Pauline Favre, (NeuroSpin, IMRB)
- **fMRI based neurofeedback to relieve drug-resistant hallucinations**  
Renaud Jardri (CHU de Lille, Lille Neurosciences & Cognition)
  - **Personalisation of a bimodal neurofeedback task based on the recollection of positive memories in depression**  
Jean-Marie Batail (CHU de Rennes, IRISA)
- 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, Hôpital Foch), Jean-Jacques Lemaire (CHU de 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 (ESPCI, Paris)
  - **Ultrasonic neuromodulation : effects on decision-making and consciousness**  
Alessandro Bongioanni, (NeuroSpin)
- 15h30 Closing intervention  
David Germanaud (NeuroDiderot, NeuroSpin)
- 16h00 End of symposium

Thank you for participating !

Thank you to SIEMENS Healthineers and GIS Autisme & Troubles du NeuroDéveloppement for their support of this event.