

PROGRAMME DES « RENCONTRES TRANSLATIONNELLES DE NEUROSPIN »

NEUROSPIN TRANSLATIONAL MEETING PROGRAM

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

Friday 28th November 2025

- 11h00 Reception
- 11h15 Welcome address & presentation of NeuroSpin. [David Germanaud \(NeuroSpin, Gif sur Yvette\)](#)
Presentation of the meeting
- 11h30 1st conference - 45min talk and 15min round table
Neuroimaging of music therapy in preterm neonates in the NICU
[Petra Hüppi \(University Hospitals, Geneve\)](#)
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 intervention.
Chair & discussants: [Petra Hüppi \(Geneve\)](#), and *To be announced*
- **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 \(NeuroSpin, Gif/Yvette\)](#)
- 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 \(APHP Le Kremlin-Bicêtre, Paris\)](#).
- **How musical training shapes the child's brain: A longitudinal fMRI and MEG study**
[Théo Morfisse \(NeuroSpin, Gif/Yvette\)](#)
 - **Leveraging Noninvasive Stimulation to Treat Dyslexia**
[Sophie Bouton \(CNRS, Paris\)](#)
 - **To be announced.**
[Deny Menghini \(Ospedale Pediatrico Bambino Gesù, Rome\)](#) – *To be confirmed*
- 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 2nd 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 R gnier, Rennes)
- 12h30 Lunch
- 13h30 3rd conference – 45min talk and 15min round table
Improving decision-making and learning with ultrasound neuromodulation
Elsa Fouragnan (University of Plymouth)
Chair & discussants: B chir 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-Fran ois 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

Thank you for participating !

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