

HYBRID SEEG Workshop: Towards a Platform for Cognitive Neuroscience

May 11, 2026 – Marseille (IMÉRA – Maison Neuve)

<https://share.google/yKLHsY0jm5AX4SnpN>

For remote participation:

<https://univ-amu-fr.zoom.us/j/85424623928?pwd=BPbYvC5ZKeX3D70N2ZabhXlggkcpQA.1>

ID: 854 2462 3928

Code: 325038

08:30 – 09:00 | Welcome coffee

09:00 – 09:15 | Introduction

P. Albouy (Université Laval), C. Gotti (Université Laval)

Hybrid SEEG platform at Hôpital de l'Enfant Jésus, CHU de Québec–Université Laval

09:15 – 10:30 | Session 1 (15 min per talk)

- P. Belin (INT, Aix-Marseille University): *PrimaVoice*
- J. Pesnot / L. Benjamin (INSERM / ENS Paris): *Sparse Community*
- L. Arnal (Institut Pasteur): *Salient Sounds*
- B. Morillon (INSERM): *ISpeech*
- L. Bonetti (Aarhus / Oxford): *Pitch, Auditory Cognitive Maps, Musical Memory (remote)*

10:30 – 10:45 | Coffee break

10:45 – 12:00 | Session 2 (15 min per talk)

- R. Quentin / T. Geraud / L. Phippaz (INSERM): *Dual Sequence Learning*
- T. Desborde / N. Piron (University of Geneva): *Seq2Scene*
- S. Kern / S. Groesser (Mannheim): *TSR Learn*
- F. Al Roumi (NeuroSpin): *Language of Thought*
- P. Albouy (Université Laval): *Audio-Visual Associative Learning*

12:00 – 13:00 | Lunch Maison Neuve

13:00 – 14:00 | Keynote

P. Tacikowski – University of Coimbra



Dr. Pawel Tacikowski is an Assistant Professor of Cognitive Computational Neuroscience at the University of Coimbra. He previously held postdoctoral positions at the Karolinska Institutet and the University of California, Los Angeles. His research integrates experimental psychology, neuroimaging, mixed-reality environments, and human single-neuron recordings to investigate the neural mechanisms underlying human perception, memory, and the sense of self.

Title: Single-Neuron Mechanisms of Temporal Structure Coding in the Human Brain

Abstract: Extracting patterns of events is fundamental to learning, memory, and planning, yet the neural mechanisms underlying this ability remain elusive. In this talk, I will present evidence that neurons in the human hippocampus and entorhinal cortex integrate information about what happens and when it occurs to form durable, predictive representations of the temporal structure of experience. I will also briefly discuss the methodology of human single-neuron recordings and outline ongoing and future work aimed at developing a unified theoretical framework of how experiences are transformed into lasting memories and how personal relevance shapes these processes.

14:00 – 15:15 | Session 3 (15 min per talk)

- Z. Liang (University of Oxford): *Pirate task (remote)*
- R. Hoyer (Université Laval): *Working memory*
- C. François (CNRS): *StatLearn*
- A. Milloz / V. Sterpenich (University of Geneva): *Episodic Memory*
- P. Mégevand (University of Geneva): *Micro/Macro SEEG and Epilepsy (remote)*

15:15 – 15:30 | Coffee break

15:30 – 17:30 | Roundtable

Building a Collaborative Hybrid SEEG Platform:

- i) Develop shared localizers for task prioritization,
- ii) Facilitate the exchange of tools, data
- iii) Define strategies for the long-term sustainability of the platform

From 18:00 | Outside cocktail & Food truck at IMéRA

Food truck sous les platanes – pétanque in front of Maison des Astronomes