



# Decoding the Language of the Brain



22 - 25 Sep 2025

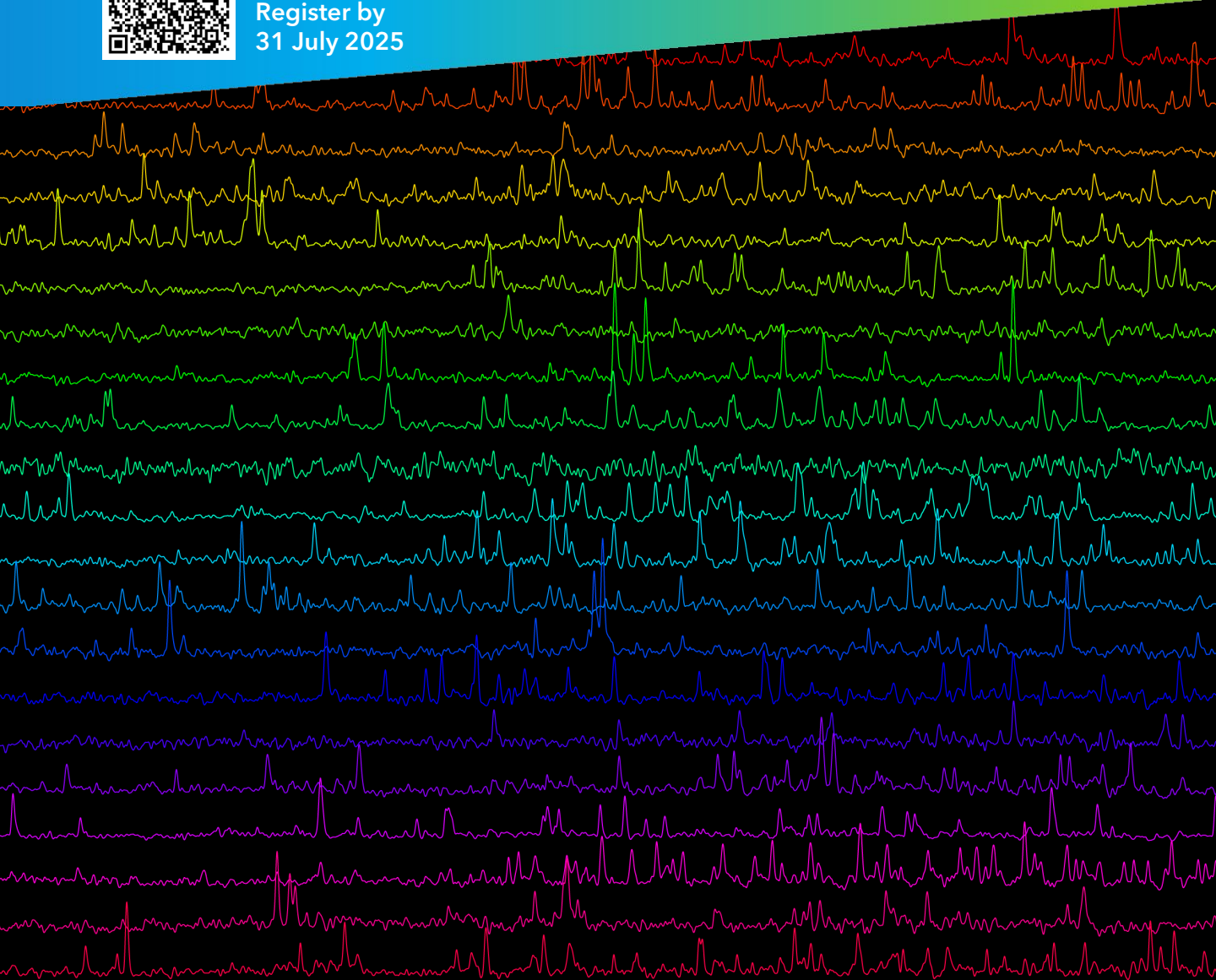


Human Technopole  
Milan (IT)

High-throughput electrophysiology and  
imaging methods to record and analyze  
neural dynamics



Register by  
31 July 2025





## PROGRAMME

## Day 1 – Mon 22 Sep

08:45-09:15	Registration and welcome coffee	Mezzanine Room
09:15-09:30	<b>OPENING</b>	Mezzanine Room
	<b>Lectures – Advanced electrophysiology and imaging in System Neuroscience</b>	
9:30-10:20	Jean-Claude Platel, INSERM (France)	Mezzanine Room
10:20-11:10	Federico Rossi, Italian Institute of Technology (Italy)	Mezzanine Room
11:10-11:30	Coffee	Mezzanine Room
11:30-12:20	Tommaso Fellin, Italian Institute of Technology (Italy)	Mezzanine Room
12:50-14:00	Lunch with speakers	Restaurant Area 4 <sup>th</sup> Floor
	<b>Hands-on – Calcium Imaging and MEA experimental workflow @ National Facility for Light Imaging</b>	
14:30-18:30	Diletta Pozzi; Filippo Mirabella; HT (Italy)	North Pavillion Incubator 3



## PROGRAMME

## Day 2 – Tue 23 Sep

### Hands-on – Analysis of Calcium Imaging Datasets

09:30-10:30	Data preparation- configuration	Mezzanine Room
10:30-11:00	Coffee	Mezzanine Room
11.00-13.00	Suite2P- Federico Rossi and collaborator(s), Italian Institute of Technology (Italy)	Mezzanine Room
13.00-14.00	Lunch with speakers	Restaurant Area 4 <sup>th</sup> Floor
14.00-16.00	Suite2P- Federico Rossi and collaborator(s), Italian Institute of Technology (Italy)	Mezzanine Room

### Lectures – Epilepsy

16:00-17:00	Nat O'Neill, UCL, (UK)	Mezzanine Room
17:00-18:00	Presentation of 2 Ephys Facilities in Europe (Penton Ribas, University of Zurich; Knauer, University of Dresden), and HT National Facilities	Mezzanine Room
18:00	Aperitif with speakers	Restaurant Area 4 <sup>th</sup> Floor



## PROGRAMME

## Day 3 – Wed 24 Sep

### Lectures – Large-scale neural recordings and spike sorting methods

**09:30-10:30** Hayder Amin, DZNE Dresden (Germany)

**Mezzanine Room**

**10:30-11:00** **Coffee**

**Mezzanine Room**

**11:00-12:00** Live demo from sponsors

**Mezzanine Room**

### Talk – Neuronal Modelling

**12:00-13:00** EBRAINS-Italy (TBC)

**Mezzanine Room**

**13:00-14:00** **Lunch**

**Restaurant Area**  
**4<sup>th</sup> Floor**

### Hands-on – Spike sorting approaches on multi-unit ephys datasets

**Mezzanine Room**

**14:00-17:00** Alessio Buccino; Samuel Garcia and Chris Halcrow,  
on SpikeInterface

**Mezzanine Room**

**17:00-19:00** **Flash Talks – Aperitif**

**Restaurant Area**  
**4<sup>th</sup> Floor**



## PROGRAMME

## Day 4 – Thu 25 Sep

Hands-on – Continuation on spike  
sorting methods

09:30-10:30	Continuation on SpikeInterface workflow	Mezzanine Room
10:30-11:00	Coffee	Mezzanine Room
11.00-13.00	Continuation on SpikeInterface workflow	Mezzanine Room
13.00-14.00	Lunch	Restaurant Area 4 <sup>th</sup> Floor
	Lecture –Disruptive Technologies in experimental and translational neuroscience	
14:00-14:50	Luca Berdondini, Italian Institute of Technology (Italy)	Mezzanine Room
15:00-15:50	Kaspar Podgorski, Allen Institute for Neural Dynamics (USA)	Mezzanine Room
16:00-17:00	Josh Siegle, Allen Institute for Neural Dynamics (USA) - Virtual Talk	Mezzanine Room
17:00-17:20	CLOSING REMARKS, Diletta Pozzi	Mezzanine Room