

International Neuropsychological Symposium 2025

Portoferraio, Italy

Monday, June 23 – Friday, June 27

De Laugier Cultural Centre, Portoferraio

Monday, June 23

15.50 – 16.00 Welcome – James Bisley

Topic 1. Inside versus outside: Signal integrations in building up body representations

Organizers: Gabriella Bottini & Stephanie Clarke

Monday Afternoon – Topic 1 / Session 1 – Chair: Gabriella Bottini

16.00 – 17.00 **Francesca Ferri** (University of Chieti-Pescara, Italy)

Inside out: Breathing as a neural and perceptual modulator

17.00 – 17.30 *Coffee break*

17.30 – 18.30 **Gerardo Salvato** (University of Pavia, Italy)

Shaping the self through thermosensory signals: from survival to awareness

18.30 – 19.30 **Andrea Serino** (University of Lausanne, Switzerland)

Peripersonal space (PPS): a neural system mapping self-environment interaction “here and now”

19.30 – 20.00 *General discussion & end of session*

20.00 Welcome Reception at **Teatro Bistro** - Via del Carmine, 65

Tuesday, June 24

Tuesday Morning – Topic 1 / Session 2 – Chair: Stephanie Clarke

09.00 – 10.00 **David Glowacki** (CiTIUS, Spain)

Numadelic virtual reality: Reimagining the body and its boundaries

10.00 – 11.00 **Beatrice De Gelder** (Maastricht University, NL)

Seeing the body from inside out

11.00 – 11.30 *Coffee break*

11.30 – 12.30 **Matej Hoffmann** (CTU, Czech Republic)

Building up body representations in infancy and in robots

12.30 – 13.00 *General discussion & end of session*

Topic 2.

Tuesday Afternoon – Topic 2 / Session 1 – Chair: Sarah Shomstein

16.00 – 17.00 **Ana B. Chica** (University of Granada, Spain)

Revisiting the attention–consciousness relationship: definitions matter

17.00 – 17.30 *Coffee break*

17.30 – 18.30 **Matthew Rushworth** (University of Oxford, UK)

Building mental models for flexible behaviour in humans and macaques

18.30 – 19.30 **Paola Binda** (University of Pisa, Italy)

Plasticity of the adult visual system: learning from (un)predictability

19.30 – 20.00 *General discussion & end of session*

Wednesday, June 25

Wednesday Morning – Topic 2 / Session 2 – Chair: Paolo Bartolomeo

09.00 – 10.00 **Massimiliano Oliveri** (University of Palermo, Italy)

Exploring the connections between visuomotor adaptation and cognitive functions

10.00 – 11.00 **Katharina von Kriegstein** (Dresden University of Technology, Germany)

Human auditory communication - from visual face areas to sensory thalamus

11.00 – 11.30 *Group Photo and Coffee break*

11.30 – 12.30 **Brigitte Kaufmann** (LUKS University Teaching and Research Hospital, Switzerland)

Pathways to stroke recovery: Insights from white matter connectivity

12.30 – 13.00 *General discussion & end of session*

Topic 3. How much can be achieved during an intersaccadic interval?

Organizers: Ole Jensen & Floris de Lange

Wednesday Afternoon – Topic 3 / Session 1 – Chair: Ole Jensen

16.00 – 17.00 **David Melcher** (New York University, Abu Dhabi)

Predicting what and when across the saccade: evidence from the extra-foveal preview effect

17.00 – 17.30 *Coffee break*

- 17.30 – 18.30 Ayelet Landau** (University College London, UK & Hebrew University, Israel)
Capturing the neural predictions of self-produced sensation
- 18.30 – 19.30 Tirin Moore** (Stanford University, USA)
Changes in visual cortical representations around the time of saccades
- 19.30 – 20.00 General discussion & end of session**

Thursday, June 26

Thursday Morning – Topic 3 / Session 2 – Chair: Ayelet Landau

- 09.00 – 10.00 James Bisley** (UCLA, USA)
Planning the next saccade: the contributions of parietal and prefrontal cortex
- 10.00 – 11.00 Eva Berlot** (Radboud University, NL)
Seeing the bigger picture: Extracting visual and semantic salience from fixations
- 11.00 – 11.30 Coffee break**
- 11.30 – 12.30 Ole Jensen** (University of Oxford, UK)
Human parafoveal processing during visual search and reading - and the coordination by alpha oscillations
- 12.30 – 13.00 General discussion & end of session**

Thursday Afternoon – Excursion: Boat Trip

- 15.00** Departure from the port in Portoferraio, next to where the big ferries arrive
- 19.00** Return to the port in Portoferraio



The boat will go along the northern coast to Marciana. There should be a couple of stops on the way for those who want to swim.

Topic 4. Neuromodulation of the healthy and pathological brain

Organizers: Luciano Fadiga & Bruno Rossion

Friday, June 27

Friday Morning – Topic 4 / Session 1 – Chair: Bruno Rossion

09.00 – 10.00 **Peter Janssen** (Katholieke Universiteit Leuven, Belgium)

Neural effects of noninvasive brain stimulation in nonhuman primates

10.00 – 11.00 **Marcello Massimini** (Università di Milano Statale, Italy)

Slow waves and network interactions in sleep and brain injury: Insight from TMS and EEG

11.00 – 11.30 *Coffee break*

11.30 – 13.00 *Business meeting*

Friday Afternoon – Topic 4 / Session 2 – Chair: Luciano Fadiga

16.00 – 17.00 **Friedhelm Christoph Hummel** (EPFL, Switzerland)

Non-invasive deep brain stimulation to enhance cognitive functions: Novel opportunities

17.00 – 17.30 *Coffee break*

17.30 – 18.30 **Giacomo Koch** (Università di Ferrara & Istituto Italiano di Tecnologia, Italy)

Personalized neuromodulation of the default mode network for treatment of Alzheimer's Disease: Foundations and next steps

18.30 – 19.30 **Bruno Rossion** (Université de Lorraine, France)

Understanding human brain (re)cognition with intracerebral electrical stimulation

19.30 – 20.00 *General discussion & end of session*

Friday Evening – Social Dinner

20.45 Dinner at **Ristorante Maitù** - Strada Provinciale della Biodola, 31.