

International Neuropsychological Symposium 2023

Villasimius, ITALY

Monday, June 19 – Friday, June 23

VOI Tanka Village, Villasimius

Monday, June 19

15.50 – 16.00 Welcome – James Bisley

Topic 1.

Monday Afternoon – Topic 1 / Session 1 – Chair: Carmen Cavada

16.00 – 17.00 **Karin Roelofs** (Donders Institute, Netherlands)

Human defensive reactions and their role in approach-avoidance decision making

17.00 – 17.30 *Coffee break*

17.30 – 18.30 **Miguel Angel Garcia-Cabezas** (Autonomous University of Madrid, Spain)

The adult human brain from the point of view of the prosomeric model

18.30 – 19.30 **Carlo Miniussi** (University of Trento, Italy)

Transcranial stimulation and electroencephalography in the exploration of cortical connectivity

19.30 – 20.00 *General discussion & end of session*

20.00 Welcome Reception at VOI Tanka Village

Tuesday, June 20

Tuesday Morning – Topic 1 / Session 2 – Chair: Rich Krauzlis

09.00 – 10.00 **Georgia Gregoriou** (University of Crete, Greece)

Attentional selection in vision: insights from electrophysiology in non-human primates

10.00 – 11.00 **Tal Seidel Malkinson** (Lorraine University, France)

Unraveling cortical networks of exogenous attention: insights from a data-driven approach to human intracerebral recordings

11.00 – 11.30 *Coffee break*

11.30 – 12.30 **Elia Formisano** (University Maastricht, Netherlands)

The meaning of sounds: acoustic to semantic transformations in auditory cortex

12.30 – 13.00 *General discussion & end of session*

Tuesday Afternoon – Topic 1 / Session 3 – Chair: Alexandra Battaglia Mayer**16.00 – 17.00 Patrizia Fattori** (University of Bologna, Italy)

The posterior parietal area V6A in macaque and human brains

17.00 – 17.30 Coffee break**17.30 – 18.30 Simone Schütz-Bosbach** (LMU Munich, Germany)

Brain-Body Interactions in Perception and Action

18.30 – 19.30 Peter Weiss-Blankenhorn (University of Cologne, Germany)

Apraxia: Concepts, Cognition and Clinic

19.30 – 20.00 General discussion & end of session**Wednesday, June 21****Topic 2. Neuroscience in the Real World**Organizers: Jody Culham & Dora Angelaki**Wednesday Morning – Topic 2 / Session 1 – Chair: Jody Culham****09.00 – 10.00 Nachum Ulanovsky** (Weizmann Institute, Israel)

Neural codes for natural behaviors in the bat hippocampus

10.00 – 11.00 Dmitriy Aronov (Columbia University, USA)

Using food-caching birds to study the neuroscience of episodic memory

11.00 – 11.30 Group Photo and Coffee break**11.30 – 12.30 Dora Angelaki** (New York University, USA)

How and why we move our eyes during navigation

12.30 – 13.00 General discussion & end of session**Wednesday Afternoon – Topic 2 / Session 2 – Chair: Dora Angelaki****16.00 – 17.00 Jacqueline Snow** (University of Nevada, Reno, USA)

How stimulus realism influences human behavior and brain responses

17.00 – 17.30 Coffee break**17.30 – 18.30 Uri Hasson** (Princeton University, USA)

Deep language models as a cognitive model for natural language processing in the human brain

18.30 – 19.30 Jody Culham (Western University, Canada)

Immersive Neuroscience: closing the loop in the study of brain and behavior

19.30 – 20.00 General discussion & end of session

Thursday, June 22**Topic 3. Calculating Brains**

Organizers: Carlo Semenza & Klaus Willmes

Thursday Morning – Topic 3 / Session 1 – Chair: Klaus Willmes

09.00 – 10.00 Brian Butterworth (University College London, UK)

A deep history of the calculating brain

10.00 – 11.00 Manuela Piazza (University of Trento, Italy)

Intuitions of mathematics and their refinement with age and education

11.00 – 11.30 Coffee break

11.30 – 12.30 Carlo Semenza (University of Padova, Italy)

The contribution of the right hemisphere to calculation

12.30 – 13.00 General discussion & end of session

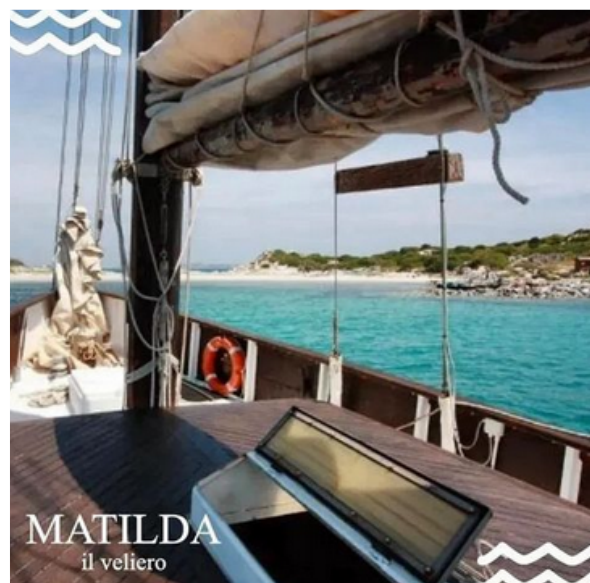
Thursday Afternoon – Free time

Excursion for those who signed up at registration. A beautiful afternoon of navigation and swimming in the protected area of Capo Carbonara.

16.15 Meet at the port

21.00 Return to port

Cost: 50 € per person. Please pay at the meeting registration desk.



Friday, June 23

Friday Morning – Topic 3 / Session 2 – Chair: Brian Butterworth

09.00 – 10.00 **Andreas Nieder** (University of Tübingen, Germany)

Math neurons in the human brain

10.00 – 11.00 **Giorgio Vallortigara** (University of Trento, Italy)

Number cognition in animal models: addressing innateness, neural circuitry and arithmetic

11.00 – 11.30 *Coffee break*

11.30 – 13.00 *Business meeting*

Friday Afternoon – Topic 3 / Session 3 – Chair: Carlo Semenza

16.00 – 17.00 **Silvia Benavides-Varela** (University of Padova, Italy)

Numerical coding in the infant brain and its interplay with language and spatial processes

17.00 – 17.30 *Coffee break*

17.30 – 18.30 **Marie Amalric** (University of Trento, Italy)

Neural bases of math conceptual development

18.30 – 19.30 **Roi Cohen Kadosh** (University of Surrey, UK)

Neurointervention to improve arithmetic learning and performance: successes, failures, and future directions

19.30 – 20.00 *General discussion & end of session*

Friday Evening – Social Dinner

20.00 *Dinner at VOI Tanka Village*