

# Conference Agenda

## ESCAN 2026

**Date: Wednesday, 03/June/2026**

|         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:30am | <b>Registration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| -       | Location: <b>Registration Desk and Secretariat</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7:30pm  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1:30pm  | <b>Welcome Coffee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| -       | Location: <b>Catering Areas</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1:45pm  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1:45pm  | <b>Pre-Congress 1: Social Neuroscience: how can we bridge the gap from basic research to societal impact?</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| -       | Location: <b>Room 5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5:15pm  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         | <b>Pre-conference symposium ESCAN 2026, organised by SIG ESCAN- Social Neuroscience</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|         | As social neuroscience matures as a field, its relevance to pressing real-world issues has never been more apparent. This one-day pre-conference brings together researchers at the forefront of applied social neuroscience to explore how neural insights can inform and improve interventions, policies, and public understanding across diverse domains. With a strong emphasis on translational research, societal engagement, and methodological reflection, this event highlights the power and responsibility of social neuroscience in the 21st century. Each section will be introduced by a senior expert in the field and features two Early Career Researchers (ECR).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|         | <b>Program Structure:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|         | 13:30 Welcome and chats over coffee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|         | 13:50 Welcome address by Grit Hein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|         | <b>14:00 Session 1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|         | 14:00 Topic 1 - <b>Artificial Intelligence and Human Interaction</b> (Chair: Jan B. Engelmann)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|         | Human interaction with artificial intelligence has expanded rapidly in recent years. Social neuroscience can illuminate how the affective and cognitive processes that support human social interaction extend to artificial agents. This session examines the potential of this knowledge to guide the development of AI systems that are more aligned with human social cognition, as well as the pitfalls of anthropomorphizing AI or overlooking individual differences in social neural architecture.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|         | Introduction - <b>Lasana Harris</b> (Department of Experimental Psychology, Faculty of Brain Sciences (FBS) University College London, UK): <b>AI and Social Neuroscience: Promises and Pitfalls</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|         | Artificial Intelligence (AI) holds much promise for social neuroscience research, both as a research tool and as a topic of inquiry. As a research tool, AI has been used to classify biological (brain response patterns and physiological responses) and behavioural output (text and static/dynamic images), providing insight regarding human biological and psychological responses to stimuli. AI also provides glimpses into a multi-verse of brain responses patterns based on various analytic approaches. AI as a topic of inquiry further divides into perceptions of and decisions involving AI agents, and AI agents as psychological subjects. Research on AI perception and decision-making identifies differences in brain processing of AI social interaction partners relative to humans. Future research can track whether such differences persist as AI becomes further embedded as a social interaction partner. Research on AI as psychological subjects assumes computational analogues of psychological processes, and concessions of psychological states as biologically driven, raising methodological and philosophical questions not yet properly addressed in the field. Future research will have to grapple with such methodological and philosophical questions, potentially leading to novel methods, statistical approaches, 'psychological' concepts, and ultimately a new field of scientific inquiry. |
|         | Flash talk 1 - <b>Jairo Perez-Osorio &amp; Eva Wiese</b> (Cognitive Psychology & Ergonomics, Head of Brains, Minds & Bots Lab, Institute of Psychology and Ergonomics, Berlin Institute of Technology, Germany): <b>Teaming Up with AI Increases Own-Error Awareness</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|         | The rise of smart algorithms and AI has brought challenges around how individuals perceive and interact with these technologies. People often misalign their reliance on automation, leading to overreliance or underuse, and trust in automation remains difficult to measure. Neural correlates, particularly event-related potentials (ERPs) such as the error-related negativity (ERN) and error positivity (Pe), offer promising tools for indexing error monitoring for both self-generated and observed errors. In a modified Eriksen Flanker task, participants either collaborated or competed with an algorithm while we recorded their EEG and performance. We examined neural responses during task performance and during observation of the algorithm. Observation ERPs (oERN, oPe) replicated typical flanker                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

### Pre-Congress 2: Multisensory Integration in Body Representation

Location: **Tarantelli Room**

**Organized by the ESCAN Special Interest Research Group on Embodied Neuroscience (SIREN)**

#### Aim

This pre-conference workshop introduces SIREN (the *Special Interest Research Group on Embodied Neuroscience*), a new ESCAN initiative dedicated to advancing the integrated study of brain-body-world interactions across cognitive, clinical, and translational research. The workshop focuses on multisensory integration in body representation, bringing together researchers working on theoretical, empirical, and applied approaches to bodily self-representation.

The event also aims to foster networking and collaboration, supporting the development of SIREN as a European research community.

#### Format

**3-hour interactive workshop, flowing directly into the ESCAN Welcome Drinks.**

Programme Overview

- **13:30** – Welcome & coffee
- **13:50** – Welcome address by Prof. Paul Jenkinson & Prof. Aikaterini Fotopoulou
- **Keynote Lecture (1 hour incl. Q&A)**  
**Prof. Olaf Blanke (EPFL): "Social and self-related mechanisms of invisible presences"**
- **Invited Talks (1 hour incl. Q&A)**
- **Dr. Ignacio Rebollo: "Gut signals as modulators of brain function and mental states"** German Institute of Human Nutrition Potsdam-Rehbruecke (DIfE)

The same brain can think, feel, and perform differently from one hour to the next. Cognitive neuroscience has traditionally explained this variability through fluctuations in neural activity and network dynamics within the brain itself. However, the brain is continuously embedded within bodily signals that convey information about physiological state and energy availability.

In this talk, I will propose that gut-brain communication contributes to fluctuations in brain function and mental states through at least two complementary temporal channels.

First, rhythmic gastric activity provides a fast interoceptive signal unfolding over tens of seconds. Recent evidence from simultaneous electrogastrography and neuroimaging suggests that this rhythm is coupled to large-scale hemodynamic and electrophysiological brain activity, both during resting wakefulness and sleep. I will discuss the possibility that stomach-brain coupling acts as an "arousal dial," biasing the brain toward internally oriented and metabolically efficient states.

Second, metabolic hormones such as ghrelin, GLP-1, insulin, and leptin fluctuate over minutes to hours and provide slower information about energy availability. These endocrine signals may act as an "energy gauge," shaping motivation, reward sensitivity, affective state, and cognitive processes according to the organism's metabolic context.

Together, these fast and slow gut-derived signals offer temporally distinct but complementary routes through which the gut may influence neural dynamics, arousal, cognition, and mood. I will outline key predictions of this framework and argue that dense within-person sampling approaches combining neuroimaging, peripheral physiology, and endocrine measurements are needed to understand how gut dynamics contribute to mental life.

**Alice Rossi Sebastiano, Barbara Italia & Francesca Garbarini\***,  
MANIBUS Lab, Department of Psychology, University of Turin, Turin, Italy  
*\*presenting author*

findings and tracked algorithm errors equivalently across both social conditions, indicating that social context did not modulate how participants monitored AI errors. However, social context did shape self-monitoring: Pe amplitudes were significantly larger in the collaborative condition, reflecting heightened awareness of one's own errors. Converging behavioral evidence showed that participants in the collaborative condition made fewer errors and fewer misses on attentional catch trials. These results suggest that collaborating with AI, rather than competing, promotes greater personal engagement and self-monitoring, without altering the neural mechanisms underlying observation of AI errors.

Flash talk 2 - **Ruud Hortensius** (Department of Social, Health & Organisational Psychology, Utrecht University, Netherlands): **From individual social cognition to group dynamics during naturalistic human-AI interaction**

In this short talk, I will show how a neurocognitive approach can help us understand not only how people perceive but also interact with robots and other forms of AI. Combining socialising interventions, behavioural observations, neuroimaging (fMRI and fNIRS), and multivariate analyses, we can probe the flexibility of social cognition during naturalistic interactions with artificial agents. I will also outline how -with a group-based neurocognitive approach- we can move from one-off interactions in a sterile lab to group interactions at home.

Discussion – 5 minutes

14:30 Topic 2 - **Clinical and Health Applications** (Chair: Henryk Bukowski, Grit Hein)

Social neuroscience can inform clinical and health applications by revealing how social interactions and relationships influence brain function, stress responses, and overall well-being. This session discusses the potentials and pitfalls of using this knowledge to improve treatments for mental and physical disorders and sheds light on future directions in the field.

Introduction Senior Researcher - **Giorgia Silani** (University of Vienna, Austria): **Neurodivergent Thinking: Addressing Myths and Misconceptions about Autism in social neuroscience**

Flash talk ECR – **Fiona Eslami Tehrani** (University of Vienna, Department of Clinical and Health Psychology, Austria): **Anticipatory and consummatory responses to touch and food rewards in anorexia nervosa**

I will present recent research using a reward paradigm that includes trial-by-trial anticipation and consumption of matched primary social (affiliative touch) and non-social (real food) stimuli in anorexia nervosa (AN). Results from simultaneous fMRI and electromyography (EMG) indicate that dissecting social and non-social reward processing into anticipation and consumption phases is an important step toward a better understanding of the complex mechanisms underlying AN.

Flash talk ECR – **Sofia Orellana Aguirre** (University of Cambridge, UK): **Challenges and promises of translating population neuroscience stress research for social workers in the England NHS**

This talk will briefly discuss my findings on the long-term effects of childhood maltreatment on immuno-metabolic, psychosocial and brain health in adulthood as well insights that emerged from translating these findings into actionable information for NHS social workers and doctors.

Discussion – 5 minutes

**15:00 – 15:15 Break**

**15:15 Session 2 - Environmental and Climate Neuroscience** (Chair: Claus Lamm)

The climate emergency is a pressing societal challenge to which neuroscience has made relatively little research contributions so far (cf. Doell et al., Nature Climate Change 2023).

This session highlights recent efforts and discusses if and how social neuroscience may be leveraged in advancing our understanding of sustainable behavior and climate action.

15:15 – 15:45 Topic 3

Introduction Senior Researcher - **Claus Lamm** (University of Vienna, Austria): **Understanding (non)sustainable behavior and climate (in)action - opportunities and challenges**

Flash talk ECR – **Zoe Bollen** (Psychological Science Research Institute, Université catholique de Louvain (UCLouvain), Louvain-la-Neuve, Belgium): **Make it real: Challenges in studying environmental decisions and nature exposure in real-world contexts**

This talk will first present an eye-tracking study examining the attentional processes underlying pro-environmental decision-making, and discuss the challenges of studying pro-environmental behaviors in laboratory settings while ensuring that these behaviors remain consequential and impactful. Then, it reports on an eye-tracking study investigating the restorative effects of exposure to preserved versus deteriorated nature, highlighting some of the methodological challenges of studying these effects in an in situ experiment.

Flash talk ECR – **Leslie Tricoche** (INRIA Bordeaux Sud-Ouest, Bordeaux University, France): **Beyond WEIRD brains: Cross-cultural and**

Title: **The development of a multisensory representation of the hand in space: from a body-centered to an object-oriented reference frame**

Abstract:

Compelling evidence shows that multisensory integration (MSI) increases with body proximity. Thereby, spatially-organized MSI is considered a hallmark of bodily-self spatial representation. Here, I will present longitudinal studies (in the first 5 months of life) wherein we sought to describe how a multisensory representation of the hand in space emerges alongside motor milestones achievement. We designed EEG audio-tactile paradigms that exploit a manipulation of the hand position relative to the body (Experiment 1) or an external object (Experiment 2). In Experiment 1, the postural manipulation consist in dragging the hand receiving tactile stimuli in two positions equidistant to a sound source, but either near or far from the trunk, thus mimicking the ecological context of neonatal self-exploration. Results show that, when the hand is near the trunk, and the (smaller) integration space of the hand is embedded within the peri-trunk's (larger) one, the sound falls within such a space, leading to enhanced MSI responses. Interestingly, this effect was observed already at birth, suggesting that newborns can localize the hand adopting the body as a reference frame. In Experiment 2, the postural manipulation consisted in bringing the hand receiving tactile stimuli to two positions equidistant to the trunk, but either near or far from a sound-emitting object, thus mimicking the ecological context of early reaching. Results showed that, when the hand is near the sound-emitting object, thus embedding the sound within the hand integration space, MSI responses are enhanced. Importantly, this effect was observed in 3-to-5-month-olds, suggesting that, when reaching develops, infants begin to localize the hand relative to external objects. Altogether, these results suggest that early motor experience shapes the typical development of a multisensory representation of the hand in space, from a body-centered to an object-oriented reference frame, thus providing a foundation for future investigations in atypical developmental contexts.

**Associate Prof. Ana Tajadura-Jiménez<sup>1,2</sup>:** *"Sensing the body through sound: Auditory-driven changes in body representation and body-centred applications for health"*

<sup>1</sup>i\_mBODY lab, DEI Interactive Systems Group, Department of Computer Science and Engineering, Universidad Carlos III de Madrid, Leganés, Spain

<sup>2</sup>UCL Interaction Centre (UCLIC), University College London, University of London, London, UK E-mail: [atajadur@inf.uc3m.es](mailto:atajadur@inf.uc3m.es); Web: [www.imbodylab.com](http://www.imbodylab.com)

**ABSTRACT:**

Music makes us move, but can sound do even more for our sense of bodily self? While we often consider touch, vision, or interoception as relevant for shaping our bodily awareness, audition also provides rich information about what is happening inside and outside of our bodies: we hear ourselves breathe, our joints crack, our hands clap, or our footsteps blend with others as we walk. Sound is almost always present in our actions and interactions with the environment, yet its influence on body perception is often overlooked. This talk highlights the unique contributions of audition to our sense of bodily self, drawing on our research into how sounds can shape body perception, leading to Body Transformation Experiences. I will also discuss how these insights inform the design of body-centered technologies that support health, while also serving as valuable tools for studying multisensory influences on body perception.

- **Networking Session (1 hour incl. Q&A)**

The workshop will conclude with a structured interactive session designed to help shape SIREN's future as a European network for embodied neuroscience. Through short word-cloud activities and collaboration cards, participants will map the expertise in the room, identify shared interests and collaboration needs, and highlight priority activities for SIREN's first year. The session will support new connections, shared initiatives, and future grant development.

Open to all ESCAN delegates. Participants will be invited to join SIREN and contribute to future activities.

### **developmental challenges for understanding environmental decision-making**

In this talk, it will be argued that understanding pro-environmental behavior requires studying a wider range of people beyond WEIRD adult populations. Because cultures and societies experience environmental issues differently, expanding research to non-WEIRD communities is essential. Beyond culture, incorporating age, and in particular children and adolescents whose values and social norms are still forming and who will be heavily affected by the ecological crisis, is equally important.

Discussion – 5 minutes

15:45 – 16:15 Topic 4 - **Societal and Political Applications of Social and Affective Neuroscience** (Chair: Dan Campbell-Meiklejohn).

Can social and affective neuroscience really help solve political and social issues? Can it be a useful measure of social forces on our biopsychology? In this session we will explore these issues.

Introduction Senior Researcher - **Manos Tsakiris** (Royal Holloway University, London, UK): **"Is there a need for social neuroscience to engage with politics?"**

Flash talk ECR – **Victoria Rambaud** (Ghent University, Belgium): **The Prison Brain: Using Social Neuroscience to Study the Impact of Incarceration**

How do institutional environments like prisons shape the brain? And what does this mean for rehabilitation? This talk explores how social neuroscience can be applied to understand the effects of incarceration on cognitive and emotional processes. Drawing on longitudinal behavioral and EEG data, I will present the opportunities and challenges of translating neuroscience findings into meaningful societal and policy-relevant insights.

Flash talk ECR – **Sofia Orellana** (University of Cambridge, UK): **Neurophysiological Targets for Resilience: Implications for Intervention**

Childhood adversity and early-life stress are robustly associated with adverse mental and physical health outcomes across the lifespan. In this talk, I will discuss which physiological and brain system pathways appear to be altered by these experiences, and how emerging social interventions may potentially modify these mechanisms and alter long-term outcomes.

Discussion – 5 minutes

**16:15 – 16:30 Break**

**16:30 – 17:15 ECR panel discussion** (Chair: Grit Hein)

**3:30pm**

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**5:15pm**

### **Pre-Congress 3: Junior Scientific Pre-Conference Event**

Location: **Room 3**

**Organized by the ESCAN Junior Committee**

#### **Aim**

Academic careers are often presented as linear trajectories of success, while in reality they are frequently shaped by setbacks, rejected applications, unexpected opportunities, and the ongoing challenge of maintaining a sustainable work–life balance. For early career researchers in particular, the pressure to present a perfect academic profile can create unrealistic expectations and discourage open conversations about failure.

This junior pre-conference workshop embraces the concept of the “perfect/imperfect CV” to promote a more transparent and supportive academic culture. Through an open discussion with three ESCAN members, the session will explore how failures, rejections, and career detours are common and valuable elements of academic development.

By sharing personal experiences across different research fields and career stages, the speakers will reflect on the realities of academic life, including navigating career uncertainty, coping with rejection, and finding balance between professional and personal commitments.

The event is primarily intended for Master's students, PhD candidates, and early postdoctoral researchers, but it is open to all ESCAN participants.

#### **Programme Overview**

**15:30 – Welcome & coffee**

**15:45 – Lei Zhang (15 minutes)**

Associate Professor at the University of Birmingham, where he directs the Adaptive Learning Psychology & Neuroscience (ALPN) Lab. His research spans cognitive neuroscience, psychology, and computational modelling.

**16:00 – Audience discussion (5 minutes)**

**16:05 – Anita Harrewijn (15 minutes)**

Assistant Professor at the Erasmus School of Social and Behavioural Sciences, Erasmus University of Rotterdam. Her research focuses on anxiety, including social stress, anxiety disorders, and their behavioural and neural correlates.

**16:20 – Audience discussion (5 minutes)**

**16:25 – Henryk Bukowski (15 minutes)**

Professor at the Catholic University of Louvain. His work lies in social cognition and affective neuroscience, with a focus on empathy, perspective taking, self–other distinction, and clinical populations.

**16:40 – Audience discussion (5 minutes)**

**16:50 – Open Q&A discussion (30 minutes)**

General discussion with the speakers on academic careers, failures, and work–life balance.

**4:00pm**

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**5:15pm**

### **Pre-Congress 4: Social Neuroscience in Organizations: From Brain Mechanisms to Workplace Practice**

Location: **Acquario room**

**Organized by EY and AgliotiLab**

**Aim:** As organizations navigate increasing complexity and rapid change, understanding the social and cognitive mechanisms underlying workplace behavior is essential. Social neuroscience provides a valuable framework to examine how individuals perceive and respond to social dynamics within organizational contexts. Drawing on research conducted in real-world organizational settings, the event adopts a translational perspective, highlighting how neural and physiological measures can inform leadership, decision-making, emotional contagion, trust, and collaboration. By fostering dialogue between academia and practice, the workshop aims to bridge laboratory research and organizational application, advancing more human-centered and evidence-based approaches to organizational design. This event has been organized by Ernst & Young -EY- and AgliotiLab.

**Programme Overview – 16.00 – 17.15**

**16:00 – 16.05**

**Francesco Bianchi** (Senior manager at EY and Personality and Organizational Psychology PhD@SAPIENZA Roma) & **Althea Frisanco** (Postdoc fellow at CLNS@SAPIENZA Roma – Italian Institute of Technology and EY People Consulting)

The session opens with an introduction highlighting the growing importance of building strong synergies between academic research and organizational practice, including an overview of ongoing collaborations between EY—a leading firm in consulting and professional services—and Academia. It will also present how neuroscience and psychology can support individuals and organizations in navigating complex processes of organizational transformation. The talk will outline key themes explored throughout the event, such as leadership and followership dynamics, emotional contagion, public speaking, individual differences in managing stress-inducing tasks, and interpersonal distance in workplace interactions.

**16:05 – 16:15**

**Giorgia Ponsi** (Postdoc fellow at CLNS@SAPIENZA Roma – Italian Institute of Technology)

Talk: "Hierarchical rank modulates visual attention to faces: Insights from eye-tracking in real organizations"

**16:15 – 16.25**

**Sarah Boukarras** (Assistant professor at Sapienza University of Rome)

Talk: "The building blocks of positive emotional contagion in the workplace"

**16:25 – 16.35**

**Francesca March** (PhD student at Sapienza University of Rome and University of Camerino)

Talk: "Infrared thermal imaging to detect public speaking anxiety"

**16.35 -16.45**

**Althea Frisanco** (Postdoc fellow at CLNS@SAPIENZA Roma – Italian Institute of Tecnology and EY People Consulting)

Talk: "Do Leaders Sound Different? Evidence from Verbal and Paraverbal Cues in Public Speaking"

**16:45 – 16.55**

**Piero Lamia** (Postdoc fellow Sapienza University of Rome)

Talk: What Employees Wear Shapes Manager's Integration of Multisensory Information in Peripersonal Space: A Virtual Reality Study

**16.55 – 17.05**

**Matteo Lisi** (Postdoc fellow at CLNS@SAPIENZA Roma – Italian Institute of Technology)

Talk: "Proxemics and Social Touch in Immersive VR: Cross-Cultural Evidence and Organizational Implications"

**17.05 – 17.15**

Conclusion and Q&A – Chair: **Althea Frisanco** (Postdoc fellow at CLNS@SAPIENZA Roma – Italian Institute of Technology and EY People Consulting); Discussant: **Francesco Bianchi** (Senior manager at EY and Personality and Organizational Psychology PHD@SAPIENZA Roma)

The final part of the session will explore how these research streams are translated into practical applications within EY, examining their impact on organizational processes and how data can be leveraged in different ways—such as to enhance effectiveness or drive business performance.

**5:30pm**

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**6:45pm**

**Pre-Congress 5: ERC Funding Opportunities**

Location: **Tarantelli Room**

This session is designed for researchers interested in exploring European funding opportunities and gaining practical guidance on preparing competitive grant applications within the ERC framework.

The European Research Council (ERC) supports excellence in research through grants expected to advance the frontiers of existing knowledge. It provides flexible longer-term, portable funding and independence for researchers to pursue ambitious and high-impact research projects. During the session, the different ERC funding schemes and opportunities will be presented, together with the main novelties of the 2027 Work Programme.

**Chair:** Salvatore M. Aglioti (Department of Psychology, Sapienza University of Rome)

**Programme**

**17:30–18:15 | Invited Talk**

Pilar Lacruz

*Scientific Department – ERC Executive Agency*

**18:15–18:45 | Q&A Session and Final Remarks**

**6:45pm**

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**7:15pm**

**7:00pm**

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**9:30pm**

**Joint Opening Speech by Society Leadership an Local Organizers**

Location: **Tarantelli Room**

**Welcome Cocktail**

Location: **Catering Areas**

**Date: Thursday, 04/June/2026**

**8:30am - 7:00pm**  
**Registration**  
 Location: **Registration Desk and Secretariat**

**9:00am - 10:00am**  
**Keynote Lecture 1: Tallon Baudry: Two distinct functional roles for interoception: information and coordination**  
 Location: **Tarantelli Room**  
 Chair: **Giuseppina Porciello**

**10:00am - 10:30am**  
**Coffee Break**  
 Location: **Catering Areas**

**10:30am - 12:00pm**  
**S1-1: Modulating performance monitoring and control adjustments: neurophysiological and neurostimulation perspectives**  
 Location: **Room 9A**

**Modulating performance monitoring and control adjustments: neurophysiological and neurostimulation perspectives**  
 Chair(s): **Carlotta Maiocchi, Leonor Josefina Romero Lauro**

*Presentations of the Symposium*

**Mind and Heart in the game: Integrating EEG Feedback-Related Negativity and Heart Rate Variability during reward and loss processing**

**Carlotta Maiocchi, Anna De Chino, Anna Vedani, Giulia Mattavelli;**  
 carlotta.maiocchi@iusspavia.it

**Feedback-locked event-related EEG dynamics represent multiplexed performance monitoring and decision-making variables.**

**Markus Ullsperger, Matthew Nassar, Hans Kirschner;**  
 markus.ullsperger@ovgu.de

**How visuo-spatial monitoring is affected by endogenous and exogenous activation of the right Posterior Parietal Cortex (rPPC)**

**Leonor Josefina Romero Lauro, Eleonora Arrigoni, Sarah Feroldi, Alessandra Vergallito, Alberto Pisoni;**  
 leonor.romero1@unimib.it

**Frontoparietal theta tACS selectively improves pre-response reaction times during representational incongruency processing.**

**Gabriele Fusco, Stella Petković, Francesca Nobiloni, Cosimo Urgesi, Salvatore Maria Aglioti;**  
 gabriele.fusco@uniroma1.it

**S1-4: Multisensory development: early roots of social cognition and embodied experiences**  
 Location: **Room 8A**

**S1-2: Cognitive reserve and affective adaptation across the life cycle: neural mechanisms from language to emotion**  
 Location: **Room 3**

**Cognitive reserve and affective adaptation across the life cycle: neural mechanisms from language to emotion**

Chair(s): **Raffaella Ida Rumiat, Sara Mondini**

*Presentations of the Symposium*

**Cognitive reserve and emotional cognition in aging: neural dynamics of verbal fluency and working memory**

**Elisabetta Pisanu, Bianca Monachesi, Stefania Lucia, Silvia Fornaro, Maja Ukmar, Maria Assunta Cova, Raffaella Ida Rumiat;**  
 episanu@sissa.it

**Cognitive reserve and affective outcomes of acquired brain injury**

**Elisa Di Rosa, Benedetta Basagni, Sara Mondini, Antonio De Tanti, Debora Bertoni;**  
 elisa.dirosa@unipd.it

**How cognitive reserve influences mental health in middle adulthood**

**Sara Mondini, Daniele Porricelli, Margherita Tecilla, Veronica Pucci, Elisa Di Rosa, Marinella Cappelletti;**  
 sara.mondini@unipd.it

**Lifespan neural mechanisms of empathy and socio-cognitive control**

**Giorgia Silani, Federica Riva, Melanie Tschernegg, Martin Kronbichler, Claus Lamm;**  
 giorgia.silani@univie.ac.at

**S1-5: Neural dynamics of Actions across the Lifespan: Development, Plasticity and Recovery**  
 Location: **Room 6B**

**S1-3: Dynamic brain-body interactions in perception, selfhood, and cognition across health and disease**  
 Location: **Room 8B**

**Dynamic brain-body interactions in perception, selfhood, and cognition across health and disease**

Chair(s): **Diego Candia-Rivera**

*Presentations of the Symposium*

**How early motor experiences shape multisensory representations of the bodily self in space: evidence from MyFirstBody project**

**Alice Rossi Sebastiano, Francesca Garbarini;**  
 alice.rossisebastiano@unito.it

**Vicarious body maps bridge vision and touch**

**Nicholas Hedger, Thomas Naselaris, Kendrick Kay, Tomas Knapen;**  
 n.hedger@reading.ac.uk

**Affective touch processing across the body-brain-spinal levels in psychosis**

**Paula Salamone, Adam Enmalm, Reinoud Kaldewaij, Marie Aman, Charlotte Medley, Michal Pietrzak, Hakan Olausson, Andrea Johansson, Rebecca Boehme;**  
 paula.salamone@liu.se

**Altered cardiac interoception in autism: evidence from heartbeat-evoked potentials**

**Jellina Prinsen, Matias Fraile-Vazquez, Alisa Zoltowski, Carissa Cascio;**  
 jellina.prinsen@kuleuven.be

**Dynamic brain-heart interaction patterns underlie motor imagery in healthy individuals and stroke patients**

**Diego Candia-Rivera, Mario Chavez, Fabrizio De Vico Fallani, Marie-Constance Corsi;**  
 diego.candia.r@ug.uchile.cl

**S1-6: How friendship and social network structure manifest in social cognition and interaction**  
 Location: **Tarantelli Room**



**Multisensory development: early roots of social cognition and embodied experiences**

Chair(s): Louise Kirsch, Martina Ardizzi

*Presentations of the Symposium*

**Before birth: emerging multisensory integration and dyadic attunement in the human fetus**

Martina Ardizzi, Giulia D'Adamo;  
martina.ardizzi@unipr.it

**The ontogeny of multisensory bodily awareness in postnatal infancy: Adventures in infant virtual reality with BabyMIRAGE**

Andrew J. Bremner, Alice Cousins, Giulia Orolì, Danielle Ropar, Roger Newport; a.j.bremner@bham.ac.uk

**Bridging self and other: the role of shared affective touch in**

**interpersonal motor synchrony during preschool development**

Letizia Della Longa, Irene Guglielminetti, Teresa Farroni;  
letizia.dellalonga@unipd.it

**The ontogenesis of social touch: Assessing valence and inferring relationships from observed tactile interactions.**

Louise P. Kirsch, Olivier Mascaro;  
louise.kirsch@u-paris.fr

**S1-7: Beyond prediction: Affective and social dimensions of sense of agency**

Location: **Acquario room**

**Beyond prediction: Affective and social dimensions of sense of agency**

Chair(s): Agnieszka Wykowska, Ilkay Ari

*Presentations of the Symposium*

**Emotional expressions as action outcomes shape the sense of agency**

Ilkay Ari, Mateusz Wozniak, Davide De Tommaso, Agnieszka Wykowska;  
ilkay.ari@iit.it

**Social sense of agency in interaction depends on reciprocal timing of actions, not just their temporal proximity**

Bert Timmermans;  
bert.timmermans@abdn.ac.uk

**Agency in dynamic actions: How do humans integrate sensory and affective information to infer control?**

Jakob Kaiser, Maren Giersiepen, Nils Wendel Heinrich, Annika Osterdiekhoff, Stefan Kopp, Nele Russwinkel, Simone Schütz-Bosbach; J.Kaiser@psy.lmu.de

**Neural dynamics of Actions across the Lifespan: Development, Plasticity and Recovery**

Chair(s): Quentin Moreau, Holly Rayson

*Presentations of the Symposium*

**From bursts to brain maturation: developmental refinement of sensorimotor beta dynamics**

James Bonaiuto; jbonaiuto@gmail.com

**Sensorimotor integration and motor control across the adult lifespan and interpersonal coordination**

Santeri Ruuskanen;  
santeri.ruuskanen@aalto.fi

**Advancing Brain Computer Interfaces from bench to bedside for Neurorehabilitation**

Kathy Ruddy; k.ruddy@qub.ac.uk

**Serotonergic cortico-limbic and executive network dysfunction in Parkinson's disease impulse control disorders: A PET-fMRI study**

Damiano Terenzi, Elise Meterau, Stephane Thobois, Stephane Prange

**S1-8: New evidence on the role of the cerebellum in social action sequencing and prediction**

Location: **Room 5**

**New evidence on the role of the cerebellum in social action sequencing and prediction**

Chair(s): Frank Van Overwalle, Frank Van Overwalle

*Presentations of the Symposium*

**New perspectives on the cerebellum's social-emotional contributions: state of the art, new findings and outlook for future research**

Frank Van Overwalle, Maria Arioli, Kassiani Styliani Tsantzalou, Min Qiu, Kris Baetens, Frank Van Overwalle;  
Frank.VanOverwalle@vub.ac.be

**Contextualizing the cerebellar computations for action prediction in typical and atypical development**

Cosimo Urgesi, Sara Boscarol, Lucia Amoroso, Niccolò Butti, Viola Oldrati, Alessandra Finisguerra;  
cosimo.urgesi@unimercatorum.it

**The role of the cerebellum in social interaction sequencing and**

**How friendship and social network structure manifest in social cognition and interaction**

Chair(s): Ivana Konvalinka

*Presentations of the Symposium*

**The brain in the social world: Integrating approaches from social neuroscience and social network analysis**

Carolyn Parkinson; cparkinson@ucla.edu

**Spontaneous interpersonal coordination and brain dynamics are modulated by the number of friends in shared social networks**

Ivana Konvalinka, Kyveli Kompatsiari;  
ivako@dtu.dk

**Social network characteristics of interacting people are reflected in their real-time interpersonal behaviours**

Aliaksandr Dabranau; aldab@dtu.dk

**Friendship modulates physical effort and neural dynamics during group coordination in shared social networks**

Qianliang Li; glia@dtu.dk

**Tracking the origins of friendship in synchrony behaviour**

Antonia Hamilton, Jamie Ward, Paula Wicher; a.hamilton@ucl.ac.uk

**S1-9: Moral decision-making under organised crime influence: Evidence from field surveys and Immersive Virtual Reality**

Location: **Room 6A**

**Moral decision-making under organised crime influence: Evidence from field surveys and Immersive Virtual Reality**

Chair(s): Alisha Vabba

*Presentations of the Symposium*

**Mafia influence, state resilience, and civic honesty**

Giovanni Travaglino;  
Giovanni.Travaglino@rhul.ac.uk

**Mafia-type threat increases corruption: shifts in behaviour, physiology, motor conflict and sense of agency in a virtual reality bribery task**

Alisha Vabba; alisha.vabba@ugent.be

**Virtual encounters with mafia extortion: Using Immersive Virtual Reality to shape attitudes**

Althea Frisanco; Althea.Frisanco@iit.it

**Blurring the self: Agency and identity in cybernetic humanity**

**Shunichi Kasahara;**  
kasahara@csl.sony.co.jp

**prediction: An fMRI study with an implicit Ultimatum Game task**

**Yuting Zhang, Min Qiu, Chris Baetens, Frank Van Overwalle;**  
Yuting.Zhang2@vub.be

**Discussion: Social-emotional cerebellar learning: alternative perspectives and future directions including clinical and computational (AI) applications.**

**Frank Van Overwalle, Cosimo Urgesi, Alessandra Finisguerra;**  
Frank.VanOverwalle@vub.ac.be

**Attitudinal and behavioral changes following embodiment of civic heroes and mafia criminals in Immersive Virtual Reality**

**Matteo P. Lisi;** matteo.lisi@uniroma1.it

**12:00pm  
-  
2:00pm**

**Lunch Break**

Location: **Catering Areas**

**P1: Poster session**

Location: **Poster Area**

See all panel numbers of posters at <https://escan2026.eu/wp-content/uploads/2026/06/ESCAN2026-Posters-sessions-with-panel-numbers-1-june.pdf>

**The Brain and Body in Polluted vs. Pleasant Landscapes**

**Mbarka Akounach, Berivan Mélin Yigitalp, Sümeyye Kizilisik, Duygu Duman, Aarabi Ardalan, Thierry Lelard, Harold Mouras**

**Facial mimicry as a skill - from emotion recognition capacity to autistic symptoms**

**Liron Amihai, Yaara Yeshurun**

**How it feels vs how it works: Perceived and experienced effectiveness of 16 emotion regulation strategies in daily life**

**Siim Andres, Alan Voodla, Kaitlyn Marie Werner, Andero Uusberg**

**Decoding and predicting cognition using a dynamical systems approach**

**Boateng Asamoah**

**Context-dependent engagement with climate messaging does change brain network configurations**

**Gabija Aurylaite, Florian Ph.S Fischmeister, Darlene Alicia Hörle, Marie Lisa Kogler, Kathrin Kolindorfer**

**The interplay of defensive actions and subjective feelings in naturalistic settings**

Dominik Bach, Lukas Kornemann, Olivier de Vries, Ulises Daniel Serratos Hernandez, Yonatan Hutabarat

**Interpretable hierarchical RNNs for rs-fMRI: promise and limits of individualized brain dynamics**

Carlotta Barkhau, Keyvan Mahjoory, Manuel Brenner, Ramona Leenings, Clemens Pellengahr, Lukas Fisch, Nils Winter, Maximilian Konowski, Hamidreza Jamalabadi, Tilo Kircher, Markus Junghöfer, Udo Dannlowski, Tim Hahn

**Eyes wide open, responses shut down: arousal modulation of reinforcement learning in anhedonia**

Dimitra Arsenia Barmperi, Lilly Thurn, Conny W.E.M. Quaedflieg, Thérèse A.M.J van Amelsvoort, Dennis Hernaus

**How affective states become actions: a kinematic study**

Costanza Battioni, Cecilia Carapelli, Alessio Saccuti, Giuseppe Di Cesare

**Collective motivation and emotions as drivers of pro-environmental behaviors**

Morgan Beaurenaut, Louise Chopin, Victor Chung, Inès Ladjeneff, Helder Betiol, Rocco Mennella, Sylvie Martin

**Individual differences in attachment predict perceptual biases in the Uncanny Valley.**

Marta Trezzi, Stefania D'ascenzo, Francesca Ciardo

**Midfrontal theta dynamics supporting adaptive adjustments to frustration**

Nellia Bellaert, Mandy Rossignol, Wan-Ling Tseng



**Moderation of evaluative conditioning by emotional processing indicators**

**Théo Besson**, Oulmann Zerhouni

**Frequency-specific coupling of cerebellar TBS and tACS shapes motor cortical plasticity and response variability**

**Katia Botta**, Annibale Antonioni, Ivana Paparella, Elisa Dolfini, Danny Spampinato, Andrea Casarotto, Alessandro D'Ausilio, Luciano Fadiga, Giacomo Koch

**Learning behaviors through verbal versus nonverbal instructions – The power of language in overcoming conflict.**

Francois Foerster, Philippine Lemoine, Daxun Zhu, Senne Braem, Nicolas Bourguignon, Salvatore Lo Bue

**The Liege Mind-Blanking Self-Report Scale: A novel questionnaire to study the heterogeneity of blank experiences in everyday life**

Paradeisios Boulakis, Agustina Aragón-Daud, David Stawarczyk, Athena Demertzi, Steve Majerus

**Biofeedback and autonomic regulation under stress**

**Laura Boulongne**, Lucas De Zorzi, Pierre Csikai, Melanie Schied, Henrique Sequeira

**Neural, behavioral and physiological responses to pleasant touch**

**Franziska Buchmann**, Sarah Jessen, Ulrike Krämer

**Who likes whom? Gender and Dyad Composition in the Liking Gap**

**Leander Burkard**

**The influence of dimensional affective representations on age-related positivity effects in memory**  
Carla Maló Calmus, Daniel J Mitchell, Noham Wolpe, Richard N Henson

**Temporal dynamics of multimodal social communication in young autistic children during naturalistic parent-child interaction**  
Agrippina Campisi, Elisa Leonardi, Morgana Proietti, Yagmur Ozturk, Francesca Isabella Famà, Roberta Bruschetta, Stefania Aiello, Cristina Carrozza, The Nest Team, Alfia Ruggeri, Sabrina Baieli, Simona Campisi, Laura Turriziani, Gabriella Di Rosa, Maria Chiara Passolunghi, Sandra Pellizzoni, Michael Vincent Lombardo, Gennaro Tartarisco, Giovanni Pioggia, Olga Capirci, Marilina Mastrogiuseppe, Liliana Ruta

**Structural and connectivity alterations of the premotor cortex in autistic children: implications for affective motor impairments**  
Cecilia Carapelli, Marzio Gerbella, Francesca Tambuscio, Giuseppe Di Cesare

**Pain in athletes: understanding its neural mechanisms to prevent overuse injury**  
Flavia Cardini, Marisa Fernandes Soares, Anna Nichols, Francesca Cavallerio, Jane Aspell

**Pavlovian conditioning of perceptual neural responses. An fMRI study.**  
Valentina Bernardi, Parisa Ghomroudi, Antonino Greco, Andrea Caria

**Alcohol reshapes physiological adaptation and predicts cardioceptive precision in heart rate discrimination**  
Guido Maria Caruso, Mateo-Leganes Fonteneau

**Age-Related differences in functional brain connectivity**

**during simulated microgravity: An EEG Study**

Antonio Cataneo, Serafino Paolo Mansueto, Alessandro Angrilli, Marco Marino

**Implicit emotional context modulates early visual processing of fearful faces during change detection: an ERP study**

Philip Chalk, Derek Arnold, Alan Pegna

**Neuroelectric signatures of social evaluative conditioning – Learning socio-affective preferences toward unfamiliar individuals**

Minah Chang, Luciana Ciringione, Luca Ronconi, Andrea Caria

**Cortical noise and neural variability: How FOOOF and IRASA indicators of aperiodic activity relate to fMRI variability measures**

Jiahui Chen, Jiaqi Gao, Hongchi Zhang, Jimin Yan, Lorenza Colzato, Bernhard Hommel

**The role of social buffering in pain expectancy learning**

Yijun Chen, Grit Hein

**Negative emotions disrupt associative memory for environmental narratives in children and individuals with high trait anxiety**

Yulia Chernyshkova, Marine Thieux, Lucie Rose, Edwin Zaccai, Klara Kovarski, Charline Urbain

**Moral Desensitization in Digital Contexts: Instagram exposure alters moral perception and emotional reactivity**

Nicola Chinchella, Aldo Gangemi, Alessia Gazineo, Chiara Lucifora

**Facing emotional avatars: the role of task relevance on inhibitory control in virtual reality**

Emma Coba, Valentina Maselli,  
Giovanni Mirabella

**From five points to emotion: facial  
expression recognition from  
minimal displays**

Sara Costa, Arianna Schiano  
Lomoriello, Elisa Straulino, Sonia Betti,  
Anita Ghislandi, Antonio Maffei, Fausto  
Caruana, Pier Francesco Ferrari, Luisa  
Sartori, Paola Sessa

**Affect-control interactions: Post-  
error slowing is modulated by  
emotional words**

Felix Cramer, David Dignath

**Thermosensory modulation of the  
hand shapes its spatial location**

Francesco Crottini, Ayla Gay, Jonatan  
Muheim, Shokur Solaiman, Andrea  
Serino, Gerardo Salvato, Gabriella  
Bottini, Michela Bassolino

**The affective cost of being wrong:  
how disagreement and confidence  
shape belief updating**

Catherine Culot, Wim Gevers, Wim  
Notebaert

**The Memory experience gap (MEG)  
after a nap**

Shira Darchi, Shachar Maidenbaum, Niv  
Reggev, Talya Sadeh

**Theta transcranial Alternating  
Current Stimulation modulates  
oculomotor interference induced  
by politically conflicting  
representations in conservative  
individuals**

Biagio Dell'Omo, Giorgia Ponsi,  
Salvatore Maria Aglioti, Gabriele Fusco

**Interpersonal brain coherence in  
joint attention**

Francesco Di Cio', Jianan Qu, Antonia  
Hamilton

**Residual emotion processing without awareness: behavioral and EEG evidence from hemianopia**

Chiara Di Fazio, Eugenio Scaliti, Ruben Andre Teixeira Azevedo, Matteo Diano, Sara Palermo, Marco Tamietto

**The links between stress, testosterone, self-other distinction, and empathy**

Konstantin Döhr, Gloria Yunitska, Ulrike M. Krämer

**Reduced Motivation for Perspective-taking in Autism-Spectrum Disorder**

Sarina Drexler, Rebekka S. Mattes, Alexander Soutschek

**Hot weather, shifting minds: A multi-method approach to heat and social cognition**

Moana Drüe, Claus Lamm, Kimberly C. Doell, Arianna Curioni

**Neurovascular and endocrine dynamics of motor plasticity insights from laparoscopic training**

Esra Zeynep Dudukcu, Mevhibe Saricaoglu, Zohreh Zakeri, Lutfu Hanoglu, Caroline Sunderland, Ahmet Omurtag

**Task-evoked changes in heart rate variability predict utilitarian choices in trolley-type moral dilemmas**

Ömer Erdoğan, Elisabetta Cremonese, Giulia Buodo, Michela Sarlo

**The cognitive construction of moral scenes: how visual working memory and impulsivity shape perspective and vividness in mental simulation**

Martin Ernst, Martin Kronbichler, Patric Meyer

**The Interplay of Emotion and Metacontrol: Roles of Valence and Arousal**



Jing Fan, Xiaolei Xu, Lorenza Colzato,  
Bernhard Hommel

**Explainable AI reveals distributed  
grey matter patterns underlying  
alexithymia severity: a multivariate  
machine learning**

Md Faysal, Anqi Lei, Nerissa Ho

**On the role of ancillary body  
movements in interpersonal  
synchronization during joint music  
making**

Sara F. Abalde, Félix Bigand, Trinh  
Nguyen, Roberta Bianco, Peter E.  
Keller, Giacomo Novembre

**Embodied robot gaze cues  
enhance visual working memory  
more than symbolic arrows**

Caterina Foglino, Giulia Siri, Davide De  
Tommaso, Agnieszka Wykowska

**Impact of empathy for pain on  
prosocial disobedience: a causal  
investigation using non-invasive  
brain stimulation in civilians and  
military cadets**

Evelyne Fraats, Sumit Roy, Michael  
Nitsche, Emilie Caspar

**Authenticity recognition of facial  
displays of emotion: an fMRI study  
using dynamic stimuli**

Camilla Frangi, Cristiano Costa, Alexa  
Schincariol, Rachele Pezzetta, Giulia  
Melis, Chiara Begliomini, Maria Devita,  
Giorgio Arcara, Claudio Gentili, Giulia  
Serafica, Sara Borgomaneri, Nicola  
Filippini, Cristina Scarpazza

**What switch costs between joint  
and individual action reveal about  
the structure of task  
representations**

Kassandra Friebe, Natalie Sebanz,  
Günther Knoblich

**Improving Executive Functions:  
Assessing the Impact of a Three-  
Week At-Home Cognitive Training**

**on Mediofrontal Negativities in  
OCD Patients**

Maxi Alicia Ganser, Norbert Kathmann,  
Stephan Heinzel, Rosa Luisa  
Grützmann

**Inter-personal synchrony and  
therapeutic alliance in  
psychotherapy: an  
electroencephalography  
hyperscanning study**

Marine Gautier Martins, Clara Cornillot,  
Claire-Lise Charrel, Renaud Jardri,  
Guillaume Dumas

**Underlying processes of social  
decision-making in severe alcohol  
use disorder: an eye-tracking  
exploration**

Mado Gautier, Nicolas Masson, Zoé  
Bollen, Damien Brevers, Laurie Geers,  
Philippe De Timary, Pierre Maurage

**How smiling shapes what we see:  
cross-category effects of Facial  
Feedback on visual awareness**

Thomas Quettier, Anita Ghislandi,  
Naotsugu Tsuchiya, Paola Sessa

**Investigating non-invasive vagus  
nerve stimulation effects on  
memory retrieval under stress**

Manon Giraudier, Carlos Ventura-Bort,  
Jochen Laubrock, Daniel Schad,  
Mathias Weymar

**Temporal dynamics and perceptual  
bases of social relevance in  
affective scenes**

Francesco Grassi, Anna Fischer,  
Vanessa Mitschke, Alperen Doganer,  
Anne Schacht

**Neural signatures of moral erosion  
in markets**

Nicola Griggio, Sara Gorgzadeh, Paul  
Banse, Andreas G. B. Ziegler, Sebastian  
Müller, Oliver Braganza, Johannes  
Schultz

**Tactile intersubjectivity: how social  
touch shapes physiological**

**regulation in visually impaired infants**

Marta Guarischi, Giulia Cappagli, Guido Catalano, Sabrina Signorini, Monica Gori

**Flow of affective information, physiological synchrony, and interindividual attraction within sender–perceiver dyads in a storytelling paradigm**

Nele Hansen, Mirjam Kehrer, Silke Anders

**Computational Principles of ASD: from Neural Computation to Social Cognition**

Oded Wertheimer, Yuval Hart

**The Terra Cognita Toolset - reverse navigation tool**

Dóra Hegyesi, Attila Viola

**Effects of social presence on motivational, physiological and neural measures of empathy in a story-telling paradigm**

Jannik Heimann, Anat Perry, Ulrike M. Krämer

**Model-based mind perception**

Ronja Fiona Held, Ruud Hortensius

**Crossmodal correspondences in the absence of direct visual input: Additive integration and speed-dependent modulation during motion occlusion**

Flavia Hendler, Shai Gabay

**Trust in Social Robots: Neuroimaging Insights on the Role of Morality in Human-Agent Interactions**

Rosamunde Cecilie Hendricks, Helena Gil Buitrago, Luis Marcos Vidal, Clara Pretus

**Ambulatory gait training with mobile EEG, a novel everyday-task scenario for neurocognitive and neuromotor performance training during perturbed treadmill walking**  
Cornelia Herbert, Cezary Zajac

**Do dynamic resting-state fMRI features reflect current depressive symptom severity in Major Depressive Disorder?**  
Katharina Hierl, Astrid Endrup Iversen, Nooshin Javaheripour, Cécile Abati, Leonie Esser, Frederike Stein, Udo Dannlowski, Tilo Kircher, Philipp Kanske, Katharina Förster

**The persistence of interbrain synchrony in group interactions**  
Ann Hogenhuis, Esther Kluwer, Ruud Hortensius

**Altered oscillatory dynamics during food-related inhibition in women with obesity: Preliminary EEG findings**  
Petra Holštajn Zemánková, Eva Výtvarová, Sylvie Kropáčová, Martin Lamoš, Martin Gajdoš, Irena Rektorová

**Embodied encounters with cultural heritage: A neuro-physiological study**  
Kalliopi Ioumpa, John Stins, Nadia Dominici

**Relationship between response time and sustained attention in junior medical students, utilizing sensorimotor reaction time measurements within a virtual model.**  
Ana Chikviladze, Ketevan Janashia, Aleksandre Ramishvili

**Neural synchrony during audiovisual stimuli viewing: associations with child social well-being and parenting stress**  
Astrid Magdalena Karner, Pascal Vrtička, Stefanie Hoehl

**Empathic immunity: inflammatory responses in therapists across psychotherapy for depression**

Moran Knafo, Tamar Radai, Haran Sened, Keren Gorst kaduri, Hadas Nathan Gamliel, Ayelet Avny, Sigal Zilcha-Mano, Simone Shamay-Tsoory

**The combination of physical exercise and slow-paced breathing on psychophysiological indices of compassion and pro-social behavior**

Emmanuelle Schoonjans, Zefeng Li, Jens Allaert, Evi Wezenbeek, Pieter Van den Berghe, Simon Helleputte, Stefanie De Smet, Rudi De Raedt, Marie-Anne Vanderhasselt

**Toward integration: a cognitive-motivational perspective on extremism**

Anna Knorr, Malgorzata Kossowska

**The role of empathy and theory of mind in the development of symptoms after witnessed trauma: an fMRI study**

Annika C. Konrad, Fée O. Fuchs, Sebastian Trautmann, Philipp Kanske

**Measuring and interpreting neurophysiological responses to affective touch in different cultural contexts: Findings from South Africa and the United Kingdom**

Charlotte Krahé, Danielle Hewitt, Sahba Besharati, Victoria Williams, Michelle Leal, Andrej Stancak, Francis McGlone, Adarsh Makdani

**Revisiting socio-emotional and cognitive flexibility in autism through a predictive coding lens: evidence from behavioral and neuroimaging data**

Adeline Lacroix, Emilie Cousin, Delphine Treffot, Clément Dondé-Coquelet, Meng-Chuan Lai, Renata Cserjesi, Alexander Logemann, Monica Baciú, Martial Mermillod

**Dissociation and schizotypy in synesthesia**

Cathy Lebeau, Félix Valois, François Richer

**Using an fMRI film-viewing paradigm with experience sampling to investigate individual differences in dynamic emotional experience**

Anqi Lei, Md Faysal, Nerissa Ho

**Categorical representation of the hand across skin types: a comparison between young and older adults**

Carmen Lenatti, Desirée Lopis, Heather J. Ferguson, Luigi Tamè

**Cognitive–affective influences on pain–motor dynamics: evidence from descending pain inhibition and corticospinal excitability**

Arnaud Duport, Herve Devanne, Guillaume Leonard

**The impact of realistic background noises on neurophysiological responses to speech, in a Virtual-Reality classroom**

Orel Levy, Shirley Hackmon, Yair Zvilichovsky, Adi Korisky, Elana Zion Golumbic

**Effort-Based Decision-Making in Adolescents With and Without Depression**

Ruiyi Li, Maria Waltmann, Andrea Reiter

**The impact of emotion regulation strategies on experiential and physiological responses to negative emotional videos**

Wilson Lim, Hannah Savage, Beth Longley, Hugo Critchley, Tim Dalgleish, Camilla Nord, Sarah Garfinkel

**Temporal Dynamics of the neural Processes underlying Donation Intention**

Ting-Yi Lin, Alexander Genevsky,  
Dennie van Dolder, Martijn van den  
Assem, Ale Smidts, Maarten Boksem

**Understanding  
psychophysiological outcome  
responses in human Pavlovian fear  
conditioning through prediction-  
error analysis**

Huaiyu Liu, Josie Linnell, Dominik Bach

**Interpersonal neural synchrony  
reflects stimulus locking, not  
listening engagement**

Kathrine Lowes, Jeppe Høj  
Christensen, Axel Ahrens, Ivana  
Konvalinka

**Cardio-visual integration of body  
images: An investigation of visual  
and heartbeat evoked potentials**

Annika P.C. Lutz, Lynn Erpelding, Claus  
Vögele

**Getting by with a little help from  
others: social support regulates  
threat vigilance during stress**

Antonio Maffei, Fiorella Del Popolo  
Cristaldi, Terry D. Blumenthal, Paola  
Sessa

**The impact of everyday social  
support on pain experience**

Rosa Maidhof, Claudia Sommer, Heike  
Rittner, Barbara Namer-Schinner, Grit  
Hein

**From Appraisal Theory to  
Algorithmic Advice: Rethinking the  
Role of the Appraisal of Certainty  
in Incidental Emotion Effects on  
Decision-Making**

Mélody Mailliez, Lou-Aurélia Valet,  
Aurélien Brest

**A systematic review of human  
avoidance learning: Cognition,  
computation, and methods**

Federico Mancinelli, Dominik Bach



**Was the fruit tree behind me or beyond the river? Biological relevance shapes spatial reference frame use**

Silvia Serino, Cosimo Tuena

**Effects of Simulated Microgravity in Elderly Women: Mapping Cortical Inhibition through Gamma-Band EEG as a Model for Aging Astronauts' Brains**

Serafino Paolo Mansueto, Antonio Cataneo, Marco Marino, Alessandro Angrilli

**Cue reactivity predicts individual differences in lifestyle**

Francesca Marsili, Maddalena Tamellini, Ana Defendini, Valerie Godefroy, Leonie Koban

**Individual goals shape the processing of facial emotions and guide behavioral responses: a meta-analysis**

Valentina Maselli, Jill Waring, Giovanni Mirabella

**When Values Evoke Mixed affect: ambivalence as a moderator of value importance and Risk behavior**

Aysheh Maslamani

**Why does your haircut indicate how you are treated by others? Experienced discrimination and stress in young LGBTQ adults**

Birgit Mathes, Isabell Schuster, Ronja Wölk, Anneke Janocha

**Concept-based explainability of EEG foundation models in social neuroscience**

Mario Medoni, Aliaksandr Dabranau, Kyveli Kompatsiari, Qianliang Li, Lars Kai Hansen, Ivana Konvalinka

**“Less is more”: repeated tokens outperform multiple voices in adult lexical learning**

Annabelle Merchie, Chaimae Chouaa, Gaétane Deliens

**Decoding the neural signatures of empathy and Theory of Mind: A multivariate fMRI approach**

Nick Michalek, Lara Maliske, Philipp Kanske, Emanuel Jauk

**Altered interoceptive sensibility alongside intact cardiac interoceptive accuracy and insight: a case-control study in functional seizures and functional motor symptoms**

L S Merritt Millman, Jessica Davies, Yasmine Basamh, Akshaana Manoharan, Jemima Uloyok-Job, Lauren Blunstone, Jan Coebergh, Anthony S David, Mark J Edwards, Laura H Goldstein, John Hodsoll, Mitul A Mehta, Timothy R Nicholson, Biba Stanton, Joel S Winston, Trudie Chalder, Matthew Hotopf, Susannah Pick\*

**Empathy in sync: How Family Empathy relates to Interbrain Synchrony**

Aline Moore Lorusso, Esther S. Kluwer, Ruud Hortensius

**Brain and body signatures of food and alcohol stimuli processing**

Sümeyye Kizilisik, Duygu Duman, Amel Zitouni, Salvatore Campanella, Mbarka Akounach, Harold Mouras

**Does acute heat exposure influence risky decision-making?**

Haoyu Nig, Jonas Nitschke, Arianna Curioni, Moana Drüe, Lukas Lengersdorff, Franca Abeln, Claus Lamm

**The human amygdala: an elusive target no more? A non-invasive neuromodulation experiment using temporal interference**

Arthur Pabst, Irene Perini, Basil Duvernoy, Daphne Donahue, Pedram

Nasr Esfahani, Tove Kojen, Maryam Ramzi Al-Helli, Adam Yngve, Adam Williamsson, Markus Heilig

**Anosmia as a possible modifiable biomarker of cognitive resilience in normal aging**

Sara Palermo, Eugenio Scaliti, Chiara Di Fazio

**Cortical oscillations reflect adaptive updating of internal reach-to-grasp models: a hd-eeeg study**

Adriano Parasiliti Collazzo, Cristina Perciballi, Daniele Sili, Andrea Caporali, Francesco de Pasquale, Viviana Betti

**Task Wandering and digital multitasking in ADHD**

Yvette Pasternak Barami, Liat Goldfarb

**Cognitive disorders in adult patients in Ruse region, Bulgaria**

Neli Petrova

**Auricular vagus nerve stimulation modulates cortical excitation–inhibition balance in aging: an aperiodic EEG dynamics study**

Yu Pi, Yaru Zhang, Mengyao Yang, Shuhui Lyu, Lorenza Colzato, Bernhard Hommel

**Does empathy modulate neural responses to experimentally induced pain in women with fibromyalgia?**

Maria Planes Alias, David J Moore, Nicholas Fallon, Katie Herron, Charlotte Krahé

**Action discrimination modulates both proactive and reactive cognitive control: electroencephalographic evidence on university students**

Paolo Presti, Margherita Filosa, Camilla Panacci, Sabrina Pitzalis, Francesco Di Russo

**Reallocation of Bodily Attention during Pregnancy**

Anna Crossland, Catherine Preston

**When the skin turns green: decoding the psychophysiology of envy**

Alena Prikhidko, Marcello Bigliassi, Dmitrii Kushnerenko

**The independent and combined roles of attentional and interpretative biases in aggression under provocation**

Ignazio Puzzo, Anam Hamid Saifullah, Simona Cantarella, Anna Fieldwalker, Luke Aldridge-Waddon, Veena Kumari

**From inter-brain synchrony to scalable interventions: A relational neuroscience approach to parenting stress**

Ashvina Rai

**Impact of facial ambiguity on prosocial behaviour and moderation effects of induced empathy**

Kartik Rai, Julian Gutzeit, Grit Hein

**When mood meets affective message: how emotions influences destination memory**

Tanisha Rathore, Gunjan Joshi, Rachana Belal, Hansel Chris Rodrigues, Kedarmal Verma

**The universal smile is person-specific**

Inbal Ravreby, Lucy Heartz, Manmeet Lamba, Adam Anderson

**The study of multisensory perception and social interaction in children**

Martina Riberto, Stefania Petri, Claudio Campus, Monica Gori

**Effects of musical instrument training on fluid intelligence and executive functions in healthy older adults: A systematic review and meta-analysis**

Fionnuala Rogers, Claudia Metzler-Baddeley

**Embodied dynamics of emotion: spontaneous bodily movement patterns during emotional experiences**

Laurie Rogez, Ali Oker, Bilel Khelifi, Nicolas Stefaniak, Stéphanie Prevost, Stéphanie Caillies

**Beyond nationality: how personal cultural values shape anthropomorphism towards robots in middle schoolers.**

Cecilia Roselli

**Cognitive and neural correlates of inhibitory control in subclinical disordered eating**

Manon Saeys, Kris Baetens, Helen Tobback, Laurence Claes, Natacha Deroost

**Touch reciprocity in daily life: A pay-it-forward effect in close relationships**

Uta Sailer, Adrian Jusepeitis, Niklas Sebastian Jung, Annett Schirmer, Ilona Croy

**The petrified body: A novel computational psychiatry approach to body belief precision-weighted updating in Anorexia Nervosa**

Alkistis Saramandi, Laura Crucianelli, Athanasios Koukoutsakis, Veronica Nisticò, Liza Mavromara, Fragkiskos Gonidakis, Sara Bertelli, Benedetta Demartini, Paul M Jenkinson, Aikaterini Fotopoulou

**Impact of emotions on learning and memory-related brain processes across development: an application to environmental educational issues**

Marine Thieux, Yulia Chernyshkova,  
Klara Kovarski, Ruth Krebs, Charline  
Urbain

**When resting still doesn't tell you  
how well you stop: challenges in  
linking resting-state connectivity to  
SST behaviour**

Alexa Schincariol, Cristiano Costa,  
Camilla Fiscon, Camilla Frangi, Cristina  
Scarpazza

**Childhood Adversity and Reward-  
Stress Neurobiology of Resilience  
and Vulnerability in Depression**

Loïc Schollaert, Isabelle Auray, Monica  
Fernandez Boente, Jonathan Wirsich,  
Patrik Vuilleumier, Chantal Martin-Sölch

**Beyond action control: a  
systematic review unravelling the  
sense of agency in autism  
spectrum disorder**

Luca Sebastianelli, Giorgia De Santis,  
Daria Agata Ottone, Mariella Pazzaglia

**Mapping the link between social  
anxiety and alcohol use disorder: a  
network analysis of emotion  
regulation difficulties**

Sonia Sistiaga, Salvatore Campanella

**Causal evidence for the neural  
underpinnings of subjective  
happiness**

Daniele Spica, Bertrand Beffara, Shira  
Cohen-Zimmerman, Alexa Vushaj, Irene  
Cristofori, Jordan Grafman

**Autonomic and  
electrophysiological adaptation to  
approaching social threat**

Christoph Szeska, Julia Wendt, Alfons  
Hamm, Matthias Wieser, Mathias  
Weymar

**Behavioral contagion in social  
games: how others' attitude shape  
our actions**

Francesca Tambuscio, Cecilia Carapelli,  
Bernardo Rossi, Alessio Saccuti,  
Giuseppe Di Cesare

**Responses of the Neurobiological Craving Signature to smoking versus alternative social rewards predict craving and monthly smoking in adolescents**

**Maddalena Tamellini, Joyce Dieleman, Guillaume Sescousse, Maartje Luijten, Leonie Koban**

**Drawing morphology across ages: developmental convergence with palaeolithic dalmeri painted stones**

**Erdem Taskiran, Giulia Pessina, Riccardo Palmeri, Dario Sigari, Rossella Duches, Nicola De Pisapia**

**Short-term audio-visual sensory deprivation induces internal-focus strategy together with cortical inhibition indexed by alpha and gamma EEG bands**

**Giovanna Tedesco, Marco Marino, Alessandro Angrilli**

**Social context and alcohol cues dynamically modulate inhibitory control in risky drinking via cortical and subcortical networks**

**Damiano Terenzi, Léonardo Ceravolo, Jennifer Malsert, Timothé Guyonnet-Hencke, Christelle Baunez, Thierry Chaminade, Didier Grandjean**

**Effects of 5-session 4x1 high-definition transcranial direct current stimulation on neural and clinical outcomes in severe alcohol use disorder**

**Helen Tobback, Geert Dom, Marianne Destoop, Tanja Endrass, Raoul Wüllhorst, Salvatore Campanella, Manon Saeys, Natacha Deroost, Kris Baetens**

**Autistic traits in typically developed adults are associated with reduced motor adaptation skills in a social context**

**Alon Tomashin, Giacomo Novembre**

**Mind games: Neurophysiological responses to (e)sports gambling ads among adolescents and adults**  
**Edoardo Tozzi**

**Does being pro-ecological equate to being pro-social? An EEG study in adults**  
**Leslie Tricoche, Damien Brevers, Claus Lamm, Emilie Caspar**

**The effects of physical synchrony on inter-brain synchrony during large group interactions**  
**Hester Marinde van Beek, Katharina Stute, Dorka Boda, Ronja Held, Fabiola Diana, Tom Frijns, Ruud Hortensius**

**Age differences in the neural implementation of feedback information to guide future behavior**  
**Irene van de Vijver, Mila Laauwen**

**The Effects of a Four-Week Slow-Paced Breathing Training on Stress Levels in Adolescents**  
**Emmelen Van Regenmortel, Nathalie Michels, Marie-Anne Vanderhasselt, Jolien Braet, Matteo Giletta**

**The impact of single versus repeated bottom up experiential versus top down cognitive reappraisal: a process continuum?**  
**Marie Vandekerckhove, Yulin Wang, James J. Gross**

**Prenatal androgen exposure and affective behavior: neural and behavioral findings from females with Congenital Adrenal Hyperplasia**  
**Viviana Verde, Paula Grunwald, Martin Göttlich, Lea Tschaidse, Marcell Chojnacki, Sarah Ilmberger, Nicole Reisch, Ulrike M. Krämer**

**Control of movement vigor during dyadic interpersonal interaction**



Enrico Vescovo, Federica Luzzi, Alice Tomassini, Luciano Fadiga, Alessandro D'Ausilio

**Eliciting repeatable stress responses in humans: development and validation of the Repeatable Social Stress Test (ReSST)**

Cecilia Vezzani, Liva J. Martinussen, Matthew Thompson, Claudia Pazmandi, Vera Rudi, Nasimeh Naseri, Martin Trøstheim, Molly Carlyle, Isabell Meier, Gurø E. Løseth, Markus Heilig, Marie Eikemo, Siri Leknes

**Who benefits? Personality and mindfulness in education.**

Maria Anna Wasylkowska, Paweł Holas, Julian Mituniewicz, Szymon Szumiał, Dorota Kobylńska

**Anxiety impacts the efficiency of implicit emotional regulation**

Agnieszka Adamczyk, Markus Junghöfer, Mirosław Wyczesany

**A Causal Account of the Neural Origins of Fatigue**

Hongmei Xia \*, Gizem Vural \*, Antonia Susnjar, Rebekka Mattes, Alexander Soutschek

**Sequential modulations of conflict effects are reflected by aperiodic exponent**

Jimin Yan, Hongchi Zhang, Shuhui Lyu, Lorenza Colzato, Bernhard Hommel

**The interplay between maternal distress and cortico-limbic connectivity topography predicts adolescent depressive symptoms during the pandemic**

Linlin Yan, Guillén Fernández, Xiangshen Liu, Carolina De Weerth, Nils Kohn

**Aperiodic EEG activity indexes interference control during language processing: Evidence from classifier congruency**

Mengyao Yang, Niels O. Schiller,  
Lorenza Colzato, Bernhard Hommel

**Mapping the appraising brain:  
probing the neural representations  
of appraisals and emotions**

Qingying Ye

**Memories of a stressful episode  
with varying time intervals**

Mustafa Yildirim, Leander Fester, Katja  
Langer, Christian J. Merz, Oliver T. Wolf

**Exercise intensity shapes brain-  
heart coupling: baroreceptor and  
respiratory influences on the Heart-  
Evoked Potential**

Daniel Ochoa, Pandelis Perakakis,  
Daniel Sanabria, Pedro Bekinschtein,  
Adrian Yoris

**Neural processing of affective  
vocal instructions: an EEG study**

Anita Zdanovica, Baiba Trinite, Jurgis  
Skilters, Chie Nakatani

**Shifting the Balance: Effects of  
Anodal tDCS on Aperiodic Activity  
and Metacontrol in Working  
Memory**

Hongchi Zhang, Mengyao Yang,  
Lorenza Colzato, Bernhard Hommel

**Metacontrol, atVNS, and learning:  
evidence from the differential  
outcomes effect**

Qinfei Zhang, Luis J. Fuentes, Mengyao  
Yang, Xinhang Cong, Lorenza Colzato,  
Bernhard Hommel

**Learning to control one's FOOOF  
exponent: Modulating aperiodic  
neural activity through  
neurofeedback**

Yaru Zhang, Lorenza Colzato, Bernhard  
Hommel

**My space or ours? Interpersonal  
Coordination within or outside**

**peripersonal space: An EEG Study of Joint Action Planning**

**Josie Zhao**, Dimitrios Kourtis

**How authenticity beliefs shape emotional face processing: ERP evidence from real and AI-generated faces**

**Annika Ziereis**, Anne Schacht

**Predictive responses in the Theory of Mind network: A comparison of autistic and non-autistic adults**

**Lucie Zimmer**, Hilary Richardson, Carolina Pletti, Markus Paulus, Tobias Schuwerk

**The role of emotions and age in virtual reality based cognitive testing**

**Soma Zsebi**, János András Zsuffa, Cecilia Sik-Lanyi, Renáta Cserjési

**Culture and anthropomorphism in Human-Robot Interaction: a mixed quantitative approach.**

**Cecilia Roselli**

**Long-term effects of early life stress on social touch motivation and social learning.**

**Claudia Massaccesi**

**Social exclusion in a virtual world: How sensory cues shape adolescents' subjective and physiological responses.**

**Letizia Della Longa**

**The role of task relevance in modulating behavioral responses to emotional facial expressions: a systematic review**

**Martina Montalti**

**Transcutaneous auricular vagus nerve stimulation inhibits amygdala-mediated indices of**

**stimulus-specific fear and facilitates responding to repeated exposure in phobic individuals**

Christoph Szeska, Kai Klepzig, Alfons Hamm, Mathias Weymar

**State of social cognition research: challenges, future directions, and efforts toward consensus building**

Ekaterina Pronizius, Ilenia Gori, Lara Maliske, Niklas Buergi, Anabela Cantiani, Beatriz Catoira, Mado Gautier, Annika C. Konrad, Annabel Nijhof, Arthur Pabst

**Modulatory effects of transcranial direct current stimulation of the medial prefrontal cortex on depressive self-referential processing and cognitive biases**

Alvaro Sanchez-Lopez, Ryan Mize, Oscar Martin-Garcia

**Sensorimotor timing stability and selective attentional sensitivity to auditory violations**

Marco Barbaresi, Sabrina Fagioli, Davide Nardo

**Cognitive complaints and prefrontal haemodynamics in symptomatic late perimenopause**

Flaminia Ronca, Evelyn Watson, Johanna Recktenwald, Kate Rattley

**Stress response to the emotional self-related stressor of shame and the modulatory role of early life stress and attachment style**

Sara Kroll

**What is artificial intelligence to us? – Defining generative artificial intelligence's social roles, a thematic analysis**

Leonard Block Santos, Evelien S. Heyseelaar, Serge Thill, Barbara C.N. Müller

**Mind-Space theory and autism: a new perspective on Theory of Mind**

2:00pm  
-  
3:30pm

**S2-1: Modulating and measuring interoception: peripheral signals, brain and cognitive processes, and symptom generation**

Location: **Room 5**

**Modulating and measuring interoception: peripheral signals, brain and cognitive processes, and symptom generation**

*Chair(s):* Cristina Ottaviani, Sarah Garfinkel

*Presentations of the Symposium*

**Targeting the insula to modulate interoception: a combined theta-burst stimulation and functional magnetic resonance imaging investigation**

Elena Makovac, Sabrina Fagioli, Andrea Salaris, Vanessa Era, Francesca Strappini, Emiliano Macaluso, Matteo Mancini, Eugenio Mattei, Giovanni Calcagnini, Barbara Basile, Federico Giove, Cristina Ottaviani, Giuseppina Porciello; Elena.Makovac@brunel.ac.uk

**Interoception, inflammation and beliefs: an unexplored interaction unveiled**

Magdalena Pfaff, Sam Wray, Chris Racey, Sarah Garfinkel, Hugo Critchley, Charlotte Rae; mp667@sussex.ac.uk

**Cardiac cycle phase biases true and false recognition memory**

Oliwia Stecko, Sebastian Childs, Steve Fleming, Sarah Garfinkel; oliwia.stecko.23@ucl.ac.uk

**Inducing bodily symptoms by presenting negative affective stimuli: boundary conditions**

Omer Van den Bergh, Tara Petzke, Ilaria De Leo, Alina K. Kohdami, Giulia Filipazzo, Michael Witthöft, Cristina Ottaviani; omer.vandenbergh@kuleuven.be

**S2-4: From caregivers to peers: determinants of interpersonal neural synchrony in childhood**

Location: **Room 6A**

**From caregivers to peers: determinants of interpersonal neural synchrony in childhood**

*Chair(s):* Verena Schäfer, Alessandro Carollo

*Presentations of the Symposium*

**Neural attunement under pressure: how parenting stress shapes parent-child brain synchrony**

Atiqah Azhari; atiqah@suss.edu.sg

**Annabel Nijhof, Geoff Bird, Jan R. Wiersema**

**S2-2: Cognitive and neural mechanisms of pro-environmental decision-making**  
Location: **Room 8A**

**Cognitive and neural mechanisms of pro-environmental decision-making**

*Chair(s):* Zoé Bollen

*Presentations of the Symposium*

**A process-tracing investigation of pro-environmental decision-making beyond food choices in vegetarians**

Zoé Bollen, Sebastian Berger, Daria Knoch; zoe.bollen@uclouvain.be

**Neural dynamics of acting against or in line with environmental preferences**

Alessandro Valvo, Lorena Gianotti, Daria Knoch; alessandro.valvo@unibe.ch

**Neural processing of imagery of climate change and environmental degradation**

Lukas Mayrhofer, Boryana Todorova, Magdalena Boch, Kimberly C. Doell, Claus Lamm; lukas.mayrhofer@univie.ac.at

**From individual to collective prospection: Neurocognitive mechanisms of prospective thinking for pro-ecological ways of living**

Damien Brevers; damien.brevers@uclouvain.be

**S2-5: Turning politics inside-out: bridging internal and ecological validity in political neuroscience**

Location: **Room 6B**

**Turning politics inside-out: bridging internal and ecological validity in political neuroscience**

*Chair(s):* Xinyao Zhang, Gustavo Couto de Jesus

*Presentations of the Symposium*

**The temporal sequence of political incongruence: a data-driven ERP study**

Gustavo Couto de Jesus, Bert Bakker, Gijs Schumacher, Joe Bathelt; g.coutodejesus@uva.nl

**S2-3: Oscillatory signatures of predictive processes**  
Location: **Room 9A**

**Oscillatory signatures of predictive processes**

*Chair(s):* Vincenzo Romei, Luca Tarasi

*Presentations of the Symposium*

**The role of alpha-band phase in bottom-up and top-down perceptual signaling**

Jason Samaha, April Pilipenko; jsamaha@ucsc.edu

**Neural oscillatory signatures of predictive processing in visual statistical learning**

Andrea Alamia; andrea.alamia@cns.fr

**Asymmetric interhemispheric oscillatory dynamics shape predictive processing in visual motion**

Vincenzo Romei; vincenzo.romei@unibo.it

**Alpha oscillations translate expectations into metacognitive beliefs: causal evidence from tms-eeg**

Luca Tarasi; luca.tarasi2@unibo.it

**Cortical oscillations reflect adaptive updating of internal reach-to-grasp models: a hd-eeg study**

Viviana Betti; viviana.betti@uniroma1.it

**S2-6: The changing parental brain: neural, affective and behavioral adaptations supporting parental care across species**

Location: **Tarantelli Room**

**The changing parental brain: neural, affective and behavioral adaptations supporting parental care across species**

*Chair(s):* Joana Vieira, Michelle Achterberg

*Presentations of the Symposium*

**Mothers neglect their young when peripartum adaptations of the CRF system fail – evidence from rodents**

**Mother–child neural synchrony across contexts: the role of maternal personality**

Alessandro Carollo, Andrea Bizzego, Verena T. Schäfer, Gianluca Esposito, Stefanie Hoehl;  
alessandro.carollo@unitn.it

**Multimodal dyadic coordination in mother–preschooler interaction: context effects and neurodiversity in behavioral and biological coupling**

Agnieszka Pluta, Joanna Duda-Głowacka, Jarosław Żygierewicz, Alicja Niedźwiecka, Joanna Beck, Aleksandra Kołakowska, Maciej Kamiński, Jan Łabędź, Weronika Bakun, Maciej Padarz, Mateusz Wawrzyniak, Julia Słowicka, Julia Adamska, Katarzyna Gatner, Laura Czerwińska, Mikołaj Dziok, Bartosz Żygierewicz;  
apluta@psych.uw.edu.pl

**Laughing together, connecting together: how shared laughter shapes synchrony and bonding in children?**

Verena T. Schäfer, Carolina Pletti, Stefanie Hoehl;  
verena.schaefer@univie.ac.at

**S2-7: From Perception to Action: Brain-Body Mechanisms of Defensive Responses to Infectious and Stress-Related Threats**

Location: **Acquario room**

**From Perception to Action: Brain-Body Mechanisms of Defensive Responses to Infectious and Stress-Related Threats**

Chair(s): Maren Born, Giorgia Guerra Frey

*Presentations of the Symposium*

**Defensive motor dynamics of infectious threats: integrating postural freezing and corticospinal excitability**

Maren Born, Giorgia Guerra, Beatrice Masa, Andrea Serino;  
mborn393@gmail.com

**Type 2 immunity modulates neuroimmune control of social behavior and peripheral sensation**

Kama Atrétkhany, Roderick Plantenga, Gabriel Lepousez, Pierre-Marie Lledo, Gérard Eberl;  
kama.atretkhany@pasteur.fr

**Stress and brain–body communication: respiratory modulation of heartbeat-evoked potentials**

Basak Bayram, Francesca Ferri;  
basak.bayram@phd.unich.it

**Neuropsychological mechanisms of biases when processing pro- and counter-attitudinal political information: evidence from a pre-registered fMRI study**

Xinyao Zhang, Christin Scholz, Marte Otten, Steven Scholte, Gijs Schumacher; x.zhang5@uva.nl

**Psychophysiological and electoral consequences of politicians' emotional appeals**

Valerio Placidi, Suzanne Blom, Gijs Schumacher; valerio.placidi@unicam.it

**Neural signatures of credibility evaluation and sharing intentions in misinformation processing**

Diamantis Petropoulos Petalas, Ritsa Fotinatos-Ventouratos, Chryssoula Karakitsou, Mairy Canellopoulou, Spiros Lavdas, Nikos Bakas;  
dpetropoulos@acg.edu

**Does ideological similarity predict shared neural representations of moral foundations?**

Frederic R. Hopp; fhopp@leibniz-psychology.org

**S2-8: Erring together: multiple perspectives on the role of interpersonal action monitoring during social interaction**

Location: **Room 3**

**Erring together: multiple perspectives on the role of interpersonal action monitoring during social interaction.**

Chair(s): Lucia Maria Sacheli, Bence Neszmeilyi

*Presentations of the Symposium*

**Bouncing back together: how social context shapes athletes' responses to own and others' errors.**

Ayala Denul, Gilles Pourtois, Tom Loeys, Wim Notebaert;  
ayala.denul@ugent.be

**Performance monitoring in joint tasks: post-error adjustments reflect sensitivity to co-actors' effort.**

Bence Neszmeilyi, Georgina Török, Roland Pfister;  
bence.neszmeilyi@gmail.com

**Monitoring others to act together: goal sharing modulates interpersonal error processing in healthy adults and individuals with schizophrenia.**

Lucia Maria Sacheli, Margherita Adelaide Musco, Ileana Rossetti, Eraldo Paulesu; lucia.sacheli@unimib.it

Oliver Bosch; oliver.bosch@ur.de

**From defense to care: exploring the role of neural defensive circuits in human parenting**

Joana Vieira; j.m.barbosavieira@uu.nl

**Adaptations to fatherhood are revealed across distributed patterns of affective responding in corticostriatal and medial frontoparietal networks**

Phil Newsome; pnewsome@usc.edu

**Parental burnout in the brain: The neuroscience of parental stress**

Michelle Achterberg; 75798mac@eur.nl

**S2-9: The socioemotional cerebellum through the lens of non-invasive brain stimulation and electrophysiology**

Location: **Room 8B**

**The socioemotional cerebellum through the lens of non-invasive brain stimulation and electrophysiology**

Chair(s): Chiara Ferrari, Andrea Ciricugno

*Presentations of the Symposium*

**Cerebellar time course and connectivity pattern in emotional processing**

Andrea Ciricugno, Zaira Cattaneo, Chiara Ferrari;  
andrea.ciricugno@mondino.it

**Cerebellar anodal transcranial direct current stimulation (tDCS) improves implicit mentalizing sequence learning: A double-blind sham-controlled study**

Min Qiu, Frank Van Overwalle;  
Min.Qiu@vub.be

**The cerebellum in social prediction: effects of transcranial direct current stimulation on action anticipation**

Viola Oldrati, Valentina Bianco, Elena Marini, Niccolò Butti, Elisabetta Ferrari, Zaira Cattaneo, Cosimo Urgesi, Alessandra Finisguerra;  
viola.oldrati@lanostrafamiglia.it

|                 |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |                                                                                                                                                                                                                                                                                                                                                                            | <p><b>Dopaminergic modulation of behavioral, electrocortical, and autonomic markers of interpersonal performance monitoring in Parkinson's Disease.</b></p> <p>Vanessa Era, Giorgia Mason, Ugo Giulio Pesci, Quentin Moreau, Rachele Pezzetta, Gabriele Fusco, Sarah Boukarras, Gabriella Cucuzza, Luca Cerretti, Antonella Peppe, Matteo Candidi, Salvatore Maria Aglioti; <a href="mailto:vanessa.era@uniroma1.it">vanessa.era@uniroma1.it</a></p> | <p><b>Targeting the cerebellum with tDCS boosts social-emotional processing in autism</b></p> <p>Beatriz Catoira, Frank Van Overwalle, Chris Baeken; <a href="mailto:Beatriz.Catoira@vub.be">Beatriz.Catoira@vub.be</a></p> <p><b>Electrophysiological evidence for cerebellar contributions to language and emotion</b></p> <p>Jana Klaus; <a href="mailto:j.klaus@uu.nl">j.klaus@uu.nl</a></p>                                        |
| 3:30pm - 4:00pm | <p><b>Tea Break</b><br/>Location: <b>Catering Areas</b></p>                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4:00pm - 5:30pm | <p><b>O1-1: Cognitive control</b><br/>Location: <b>Acquario room</b><br/>Chair: <b>Ugo Pesci</b><br/>Chair: <b>Biagio Dell'Omo</b></p> <p><b>Neuromelanin variability in the substantia nigra predicts individual differences in interference control</b><br/><u>Shuhui Lyu</u>, Hongchi Zhang, Jimin Yan, Jiaqi Gao, Kangcheng Wang, Lorenza Colzato, Bernhard Hommel</p> | <p><b>O1-2: Social Cognition</b><br/>Location: <b>Room 6B</b><br/>Chair: <b>Maria Serena Panasiti</b><br/>Chair: <b>Jonasz Szydzisz</b></p> <p><b>Love in the time of stress: how attachment links to empathic stress and partner support</b><br/><u>Mathilde Gallistl</u>, Johanna Elea Hamann, Lydia Handke, Sandra Gabler, Melanie Kungl, Ilona Croy, Pascal Vrticka, Veronika Engert</p>                                                         | <p><b>O1-3: Clinical Neuroscience, Psychopathology</b><br/>Location: <b>Room 3</b><br/>Chair: <b>Sofia Ciccarone</b><br/>Chair: <b>Rita Castilho Lima</b></p> <p><b>Does the personality of individuals on the autism spectrum influence their ability to decode mental states?</b><br/><u>Elisabetta Pisanu</u>, Marco Zanon, Raffaella Ida Rumiati</p>                                                                                |
|                 | <p><b>Acute effects of cognitively engaging physical activity on inhibitory control and neural activity in preadolescent children: a randomised cross-over trial.</b><br/><u>Evelyn Watson</u>, Cian Xu, Paul W Burgess, Paola Pinti, Ilias Tachtsidis, Mark Hamer, Flaminia Ronca</p>                                                                                     | <p><b>LSD increases interpersonal connection and emotional empathy and improves conflict resolution in romantic dyads</b><br/><u>Natasha Mason</u>, Pablo Mallaroni, Kim Kuypers, Johannes Ramaekers</p>                                                                                                                                                                                                                                             | <p><b>Trauma Under Altered States of Consciousness: How trauma during altered states of consciousness impacts cognitive, physiological neural and clinical outcomes</b><br/><u>Roy Salomon</u></p>                                                                                                                                                                                                                                      |
|                 | <p><b>When chaos helps: The pros and cons of a noisy brain</b><br/><u>Bernhard Hommel</u></p>                                                                                                                                                                                                                                                                              | <p><b>Empathy shapes the dynamics of moral decision-making: physiological and computational evidence</b><br/><u>Khatereh Borhani</u>, Soroosh Golbabaei, Martin Lang</p>                                                                                                                                                                                                                                                                             | <p><b>The paradoxical effect of repeated body checking on uncertainty</b><br/><u>Mor Ben Zaken Linn</u>, Noam Weinbach</p>                                                                                                                                                                                                                                                                                                              |
|                 | <p><b>Modulation of early TMS-Evoked Potentials reflects cortical disinhibition driven by error processing and disrupted embodiment in a virtual reality environment</b><br/><u>Stella Petkovic</u>, Federico Rossano, Gabriele Fusco, Salvatore Maria Aglioti</p>                                                                                                         | <p><b>Functional neural network reorganization during naturalistic social cognition</b><br/><u>Lara Maliske</u>, Konrad Lehmann, Matthias Schurz, Malin Hildebrandt, Emanuel Jauk, Philipp Kanske</p>                                                                                                                                                                                                                                                | <p><b>Effective Connectivity Signatures of the Triarchic Model of Psychopathy in a Psychopathy Network</b><br/><u>Tiago O. Paiva</u>, Sofia Amaoui, Rita Pasion, Jules Dugré, Miguel Pérez-García, Carmen Morawetz, Alvaro Lozano-Ruiz, Fernando Ferreira-Santos, María Dolores Sánchez-Rodríguez, Noelia Pérez-Cámara, Agar Marín Morales, Teresa Hoffmann, Juan Verdejo-Román, Macià Buades-Rotger, Inti Brazil, Fernando Barbosa</p> |
|                 | <p><b>Effects of global and local target probability on proactive and reactive control</b><br/><u>Juliana Yordanova</u>, Plamenka Nanova, Lora Lymova, Vasil Kolev</p>                                                                                                                                                                                                     | <p><b>How attentional states modulate interpersonal autonomic synchrony: empirical evidence and a conceptual framework</b><br/><u>Sarah Boukarras</u>, Giorgia Mason, Federico Rossano, Tiago Bortolini, Vanessa Era, Salvatore Maria Aglioti</p>                                                                                                                                                                                                    | <p><b>A lesion network mapping study of focal brain lesions temporally associated with criminal behaviour</b><br/>Cristiano Costa, Alexa Schincariol, <u>Camilla Frangi</u>, Pietro Pietrini, Stefano</p>                                                                                                                                                                                                                               |



**O1-4: Social cognition**

Location: **Room 5**  
Chair: **Matteo Candidi**  
Chair: **Martina Ciliberti**

**Shaping body-perception, behavior, and affect through sound: Multisensory integration and health support in physical inactivity, pain, and other health conditions**

Ana Tajadura-Jiménez

**Unconscious eye contact detection at the limits of vision**

Renzo Lanfranco, Axel Cleeremans

**Individual differences in infants' neural sensitivity to parents' communicative social cues: An AI-driven neuroadaptive approach**

Anna Gui, Elena Throm, Pedro F. da Costa, Francesca Penza, Marian Aguiló Mayans, Antonia Jordan-Barros, Rianne Haartsen, Robert Leech, Emily Jones

**On the same wavelength? How arousal and valence shape neural synchrony during emotional self-disclosure**

Vanessa Nöring, Marcel Franz, Ilona Croy

**Distinct neural representations of action valence and intensity in the insula and amygdala**

Settimio Ziccarelli, Francesca Tambuscio, Cecilia Carapelli, Giuseppe Di Cesare

**O1-7: Interaction and Interpersonal Synchrony**

Location: **Room 9A**  
Chair: **Federico Rossano**  
Chair: **Michela De Ventura**

**Interpersonal synchrony of laughter during shared amusement: an EMG hyperscanning study**

Vanessa Mitschke, Francesco Grassi, Anne Schacht

**O1-5: Social cognition**

Location: **Room 6A**  
Chair: **Giovanna Cuomo**  
Chair: **Linda Riu**

**Linking emotion recognition and autonomic balance: the integrative role of the posterior cerebellum**

Eleonora Picerni, Martina Tanieli, Libera Siciliano, Nicole Urbini, Federico Giove, Maria Leggio, Giusy Olivito

**When self- turn to other- sexual objectification: neuropsychological perspectives on female-to-female sexual objectification**

Bianca Monachesi, Hasya Fatiha Binti Zuraimy, Linda Riu, Raffaella Ida Rumiatì, Elisabetta Pisanu

**Spatiotemporal and spectral dynamics of shared neural substrates underlying architectural and social affective processing**

Anna Laura Fraghi, Giorgia Guerra, Paolo Presti, Maria Rebecca Manzo, Federica Sanchez, Ashwanth Ramkumar, Fausto Caruana, Pietro Avanzini, Giacomo Rizzolatti, Giovanni Vecchiato

**Confirmation bias and political polarization : Insights from neuroimaging**

Jonathan Levy

**It's not what You Do, it's what I expect. Predictions modulate social judgments, behavior, and electrophysiological correlates.**

Carlos Ventura-Bort, Rosario Poy, Pilar Segarra, Pablo Ribes-Guardiola, Anita Deak, Mathias Weymar

**O1-8: Stress**

Location: **Tarantelli Room**  
Chair: **Eleonora Parrotta**  
Chair: **Francesca March**

**A stress-free brain needs vitamin-T**  
Francis McGlone

**Characterizing Autonomic and Interoceptive Processes in Individuals with Borderline**

Ferracuti, Giuseppe Sartori, Cristina Scarpazza

**O1-6: Decision-making**

Location: **Room 8B**  
Chair: **Giorgia Ponsi**  
Chair: **Ludovica Vosa**

**Neurocomputational evidence of sustained Self-Other mergence after psychedelics**

Pablo Mallaroni, Natasha Mason, Katrin Preller, Adeel Razi, Samuel Ereira, Johannes Ramaekers

**The impact of reduced sense of agency on moral decision-making and its electrocortical correlates**

Marina Scattolin, Giulio Piperno, Stella Petković, Riccardo Villa, Maria Serena Panasiti, Salvatore Maria Aglioti

**Agreement with instrumental harm differentially predicts moral choices based on consequences vs. norms, while estradiol predicts inaction**

Aistė Ambrasė, Melina Grahlow, Erik Ilkevič, Ximena Lenz, Niklas Klink, Ramunė Grikšienė, Birgit Derntl

**Role of Supplementary Motor Areas in temporal estimation using transcranial Direct Current Stimulation (tDCS)**

Claire Terran, Laurence Casini

**Motivation under stress: a neuro-computational account using Meta-Reinforcement Learning**

Tim Vriens, Massimo Silvetti, Emmanouela Foinikianaki, Florian Krause, Erno Hermans, Eliana Vassena

**O1-9: Emotion**

Location: **Room 8A**  
Chair: **Alessandro Iannone**  
Chair: **Maria Chelaru**

**Human bodily emotions in the dog brain: discriminating valence and representing happiness**

Laura V. Cuaya, Raúl Hernández-Pérez, Magdalena Boch, Janosch Rumpf, Ludwig Huber, Claus Lamm



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <p><b>Human-AI interaction: multidimensional appraisal and physiological dynamics in response to an adversarial embodied agent</b></p> <p>Andrea Orlandi, Manuel Flurin Hendry, Emily S. Cross</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>Hypertension at Rest and under Stress</b></p> <p>Andrea Salaris, Hajar Al-Naqshbandi, Rachele Grimaldi, Luca Provenzano, Sebastiano Ravenda, Luca Carnevali, Cristina Ottaviani, Giuseppina Porciello</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>Emotion regulation and aggression in response to negative social feedback</b></p> <p>Josi M. A. Driessen, Chiara Pignato, Inti A. Brazil</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                 | <p><b>Eye-tracking and functional near-infrared spectroscopy in preverbal infants reveal the early stages of social interaction representation</b></p> <p>Manuel Mello, Emilie Serraille, Jean-Rémy Hochmann, Liuba Papeo</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p><b>Playful and Alert: sympathetic path to positive affect in playful interactions</b></p> <p>Yulia Golland</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>Uncovering individual differences in emotional expression understanding through a response-driven expression-rendering pipeline</b></p> <p>Nicola Binetti, Thomas Murray, Darren Cosker, Essi Viding, Isabelle Mareschal</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                 | <p><b>Finding the same wavelength: cooperative group interactions promote neural and behavioral synchronization</b></p> <p>Giulia Romano Cappi, Alessandro Mazza, Lucia De Francesco, Paolo Raiano, Alessia Podo, Monia Cariola, Samuele Colombo, John Gero, Olga Dal Monte</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p><b>Brain dynamics under graded stress during the Leiden Stroop-like Stress Task</b></p> <p>Jin Yan, Beth Lloyd, Franz Wurm, Steven Miletic, Sander Nieuwenhuis, Henk van Steenbergen</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><b>Feeling disgust towards one's own body: A psychophysiological investigation using immersive virtual reality</b></p> <p>Hajar Al-Naqshbandi, Andrea Salaris, Luca Provenzano, Salvatore Maria Aglioti, Giuseppina Porciello</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                 | <p><b>How acting together reshapes the sense of self-agency</b></p> <p>Laura Zapparoli, Lucia Maria Sacheli, Tommaso Berni, Marika Mariano, Francantonio Devoto, Caterina Negrone, Carlo Toneatto, Gianpaolo Basso, Eraldo Paulesu</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p><b>Dual faces of stress vulnerability: Resting HRV and emotional regulation</b></p> <p>Lucas De Zorzi, Pierre Csikai, Laurent Sparrow, Henrique Sequeira</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>The moral stomach: cardiac, gastric and behavioral signatures of self-directed physical and moral disgust under vagal stimulation</b></p> <p>Giulio Piperno, Alessandro Iannone, Maria Chelaru, Viola Oldrati, Alessandra Finisguerra, Maria Serena Panasiti</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5:30pm - 7:00pm | <p><b>S3-1: Affect in social contexts: Learning, regulation, and mental health</b><br/>Location: <b>Room 5</b></p> <p><b>Affect in social contexts: Learning, regulation, and mental health</b><br/>Chair(s): Carmen Morawetz, Grit Hein<br/><i>Presentations of the Symposium</i></p> <p><b>This might feel surprising: What a reinforcement-learning perspective can teach us about self-reported affect.</b><br/>Marius Vollberg;<br/>marius.vollberg@econ.uzh.ch</p> <p><b>Learning from social signals</b><br/>Grit Hein; Hein_G@ukw.de</p> <p><b>Emotion regulation in social contexts: When we turn to others</b><br/>Carmen Morawetz;<br/>carmen.morawetz@uibk.ac.at</p> <p><b>The Dual Nature of Empathy and Theory of Mind in Mental Health</b><br/>Philipp Kanske; philipp.kanske@tu-dresden.de</p> | <p><b>S3-2: From brain circuits to daily feelings: Integrating brain measures with ecological momentary assessment of mental health</b><br/>Location: <b>Tarantelli Room</b></p> <p><b>From brain circuits to daily feelings: Integrating brain measures with ecological momentary assessment of mental health</b><br/>Chair(s): Matthias Wieser, Anita Harrewijn<br/><i>Presentations of the Symposium</i></p> <p><b>Sensitive brains in social worlds: linking childhood prefrontal development to adolescent experiences of social rejection</b><br/>Michelle Achterberg;<br/>achterberg@essb.eur.nl</p> <p><b>The role of large-scale brain networks in the prediction of daily-life occurrence of repetitive negative thinking symptoms</b><br/>Martino Schettino, Rotem Dan, Chiara Parrillo, Federico Giove, Antonio</p> | <p><b>S3-3: Computational modeling of reward and punishment as transdiagnostic processes in psychopathology.</b><br/>Location: <b>Room 3</b></p> <p><b>Computational modeling of reward and punishment as transdiagnostic processes in psychopathology.</b><br/>Chair(s): Rebecca Overmeyer, Debbie Yee<br/><i>Presentations of the Symposium</i></p> <p><b>Neural and computational mechanisms of motivation, affective, and cognitive control</b><br/>Debbie Yee; debbie_yee@brown.edu</p> <p><b>Individual difference in reward- and penalty-related cognitive control adaptation associated with obsessive and compulsive tendencies</b><br/>Xiamin Leng, Amitai Shenhav;<br/>xiamin_leng@berkeley.edu</p> <p><b>Reward and Punishment in Impulsivity and Compulsivity</b></p> |

**Dysregulated brains: What affective disorders reveal about brain network dysfunctions in emotion processing**

Alessandro Grecucci;  
alessandro.grecucci@uniba.it

**S3-4: Social meaning in autism: multimodal, attentional, and affective pathways**

Location: **Room 9A**

**Social meaning in autism: multimodal, attentional, and affective pathways**

Chair(s): **Liliana Ruta**

*Presentations of the Symposium*

**Micro-Analytic Pathways to Social Meaning: gesture, gaze, and multimodal Integration in Autistic and Non-Autistic young children**

Marilyna Mastrogiuseppe, Olga Capirci;  
marilina.mastrogiuseppe@cnr.it

**Social Attention in Autism: gaze dynamics and Affective Salience during naturalistic reciprocal play**

Liliana Ruta; liliana.ruta@irib.cnr.it

**Action Vitality Forms encoding in Autism: behavioral and neural perspectives**

Giuseppe Di Cesare;  
giuseppe.dicesare@unipr.it

**Differential Responses to Social Touch across Neurotypes and within the Autistic Spectrum**

Ilaria Minio Paluello;  
ilaria.miniopaluella@cnr.it

**S3-7: C-tactile afferents and the neural coding of pleasant touch**

Location: **Room 8A**

Napolitano, Cristina Ottaviani, Diego A. Pizzagalli; martino.schettino@uniroma1.it

**From neural responses to social reward to daily social functioning: insights into depression vulnerability**

Carola Dell'Acqua, Valentina Mologni, Anna Walls, Grace O. Allison, Connie H. Yun, Simone Messerotti Benvenuti, Anna Weinberg;  
carola.dellacqua@unipd.it

**Identifying anxiety subtypes from laboratory and real-life data: evidence from threat processing and momentary anxiety measures**

Qiaoling Hua, Anita Harrewijn, Minita Franzen, Marta Andreatta, Matthias Wieser; hua@essb.eur.nl

**S3-5: Contextual influences on social decision-making: behavioral, neurocomputational, and pharmacological evidence**

Location: **Acquario room**

**Contextual influences on social decision-making: behavioral, neurocomputational, and pharmacological evidence**

Chair(s): **Arianna Curioni, Claudia Massaccesi**

*Presentations of the Symposium*

**Uncertainty and heat stress in cooperative decision-making**

Arianna Curioni;  
arianna.curioni@univie.ac.at

**How do we coordinate under uncertainty? Relying on co-efficiency as a potential focal point**

Georgina Török, Gergely Csibra, Natalie Sebanz; torokgeorgina@gmail.com

**Uncertainty and valence in social information seeking about rewarding and aversive outcomes**

Meghna Srivastava, Laila Waraich, Nikita Mehta, Matthew A. J. Apps, Patricia L. Lockwood, Jo Cutler; meghna.srivastava@univie.ac.at

**Neurocomputational mechanisms of effortful prosocial motivation across pain and monetary contexts**

Claudia Massaccesi, Magdalena Boch, Lukas Lengersdorff, Claus Lamm; claudia.massaccesi@uni-bielefeld.de

**Testosterone promotes context-sensitive engagement in competitive social environments**

Jan B. Engelmann, Veerle van Son, Ale Smidts, Karin Roelofs, Alan Sanfey, Pranjal Mehta; J.B.Engelmann@uva.nl

**S3-8: Inner speech as a flexible cognitive, predictive, and social tool**

Location: **Room 6B**

Rebecca Overmeyer, Tanja Endrass; rebecca.overmeyer@tu-dresden.de

**Reduced learning rate dynamics underlie reward learning deficits in depression and schizophrenia**

Hans Kirschner, Adrian G. Fischer, Thomas Frodl, Tilmann A. Klein, Markus Ullsperger; hans.kirschner@ovgu.de

**S3-6: The science of social vision: perceiving people and interactions**

Location: **Room 8B**

**The science of social vision: perceiving people and interactions**

Chair(s): **Liuba Papeo, Leyla Isik**

*Presentations of the Symposium*

**Relation Perception in Autism Provides Evidence for a 'Social Brain'**

Liuba Papeo, Manuel Mello, Nicolas Goupil, Violette Munin, Emilie Serraille, Sophie Cervello, Nicolas Franck; liuba.papeo@gmail.com

**From visual features to social meaning: Neural bases of interaction perception**

Kami Koldewyn, Ilona Marynenko, Paul Downing; k.koldewyn@bangor.ac.uk

**Dual routes of social chunking in working memory: behavioral and fmri evidence**

Jinglan Wu, Zaifeng Gao; delta@zju.edu.cn

**Simple 3D pose features support human social scene understanding**

Leyla Isik, Wenshuo Qin; lisik@jhu.edu

**S3-9: Minds in contact: perception, alignment, and social pain in human interaction**

Location: **Room 6A**

**C-tactile afferents and the neural coding of pleasant touch**

Chair(s): **Annett Schirmer**

*Presentations of the Symposium*

**Influence of applied force on the peripheral encoding and perception of affective stroking touch on hairy arm skin**

**Paula Trotter, Sophia Faresse, Luidgi Thrace, S. Hasan Ali, Adarsh Makdani, Francis McGlone, Andrew G. Marshall, Rochelle Ackerley;**  
P.D.Trotter@ljamu.ac.uk

**EEG signatures of skin-to-skin touch in romantic couples**

**Christian Schranz, Xiaoqin Cheng, Annett Schirmer;**  
Christian.Schranz@uibk.ac.at

**Affective touch in newborns: exploring early correlates of C-tactile afferent functioning**

**Yvonne Friedrich, Ilona Croy;**  
yvonne.friedrich@uni-jena.de

**Effects of psilocybin on social touch perception in affective disorders**

**Lehe Peled-Avron;**  
leehee.peled@gmail.com

**Inner speech as a flexible cognitive, predictive, and social tool**

Chair(s): **Anna M. Borghi, Claudio Brozzoli**

*Presentations of the Symposium*

**Inner speech as a component of functional systems**

**Charles Fernyhough;**  
c.p.fernough@durham.ac.uk

**Inner speech in concept use and action learning**

**Chiara De Livio, Angelo Mattia Gervasi;**  
chiara.delivio@uniroma1.it

**Rethinking inner speech through linguistic active inference**

**Bo Yao;** b.yao1@lancaster.ac.uk

**Intentionality in inner speech: a predictive control perspective**

**Hélène Lœvenbruck;**  
Helene.Loevenbruck@univ-grenoble-alpes.fr

**Minds in contact: perception, alignment, and social pain in human interaction**

Chair(s): **Lara Bardi, Irene Cristofori**

*Presentations of the Symposium*

**Beliefs about others' seeing modulate perceptual decision-making?**

**Maria Chiara Diana;**  
mariachiara.diana@ugent.be

**Interpersonal Adjustment as an Account for Communication Challenges between Individuals with Low and High Autistic Traits**

**Rui Liu;** rui.liu@ugent.be

**Overt Attention to Social Signals during Social Exclusion: a pre-registered Study**

**Bertrand Beffara, Irene Cristofori;**  
bertrand.beffara@isc.cnrs.fr

**Implicit Effects of the Cyberball Paradigm: Towards a Validation of the Needs-Threat Model of Social Exclusion? A systematic Review**

**Irene Cristofori, Zahra Zareei, Bertrand Beffara;** irene.cristofori@isc.cnrs.fr

**7:00pm - 8:00pm**  
**Special Interest Research Group (SIG) on Social Neuroscience**  
Location: **Acquario room**

**7:00pm - 11:00pm**  
**Junior Social Event**  
Location: **The Apartment**

**Date: Friday, 05/June/2026**

**8:30am** Registration  
- Location: **Registration Desk and Secretariat**

**6:30pm**

**9:00am** **Keynote Lecture 2: Carmen Sandi: The metabolic roots of emotional vulnerability: mitochondria, anxiety and motivation**  
- Location: **Tarantelli Room**  
Chair: **Salvatore Maria Aglioti**

**10:00am**

**10:00am** **Coffee Break**  
- Location: **Catering Areas**

**10:30am**

**10:30am** **S4-1: Valence, value and consciousness**  
- Location: **Room 5**

**Valence, value and consciousness**

Chair(s): **Inès Mentec**

*Presentations of the Symposium*

**Nothing is Neutral: Behavioral and Neural Evidence of Micro-Valence.**

**Inès Mentec**; ines.mentec@ulb.be

**On the Function and Structure of Positive Valence**

**Gabriel Brandolini**;  
brandolini.gabriel@gmail.com

**The Affective Gradient Hypothesis: An affect-centered account of motivated behavior**

**Amitai Shenhav**;  
amitai@berkeley.edu

**Goals, abstractions and value**

**Benedetto De Martino**;  
benedettodemartino@gmail.com

**S4-4: Respiratory modulation of stress and emotion: from mechanisms to interventions**  
Location: **Acquario room**

**Respiratory modulation of stress and emotion: from mechanisms to interventions**

Chair(s): **Fran Meeten, Jente Depoorter**

**S4-2: When bodily signals are missing: social interaction under conditions of sensory and motor absence**

Location: **Room 8A**

**When bodily signals are missing: social interaction under conditions of sensory and motor absence**

Chair(s): **Arianna Schiano Lomoriello, Sara Costa**

*Presentations of the Symposium*

**Cardiac interoception and occipital cortex plasticity in blindness: implications for social engagement**

**Dominika Radziun, Anna-Lena Stroh, Maksymilian Korczyk, Laura Crucianelli, Marcin Szwed, H. Henrik Ehrsson**;  
dominika.radziun@donders.ru.nl

**The role of bodily experience in actions perception and interpretation: insights from individuals born without hands**

**Gill Vannuscorps**;  
gilles.vannuscorps@uclouvain.be

**When facial feedback is altered: emotional contagion in Bell's palsy**

**Diane Picard-Dubois**;  
diane.picard@aphp.fr

**Interoception and interpersonal motor interaction: the impact of internal bodily signals on social interactions**

**Giorgia Mason, Ugo Giulio Pesci, Alessandro Iannone, Francesco Marra, Marzieh Maleki Nejad, Sarah Boukarras, Matteo Candidi, Salvatore Maria Aglioti, Vanessa Era**;  
giorgia.mason@uniroma1.it

**S4-5: Beyond hyperscanning: brain stimulation approaches to assess causal links between interpersonal synchrony and social interaction**  
Location: **Room 3**

**Beyond hyperscanning: brain stimulation approaches to assess causal links between interpersonal synchrony and social interaction**

**S4-3: Body Codes: reading health, emotional, social and political meanings in bodily signals**  
Location: **Tarantelli Room**

**Body Codes: reading health, emotional, social and political meanings in bodily signals**

Chair(s): **Andrea Serino**

*Presentations of the Symposium*

**Cognitive immunity – cognitive immunity: how the brain predicts contact between the body and potential pathogens to prime defensive responses**

**Andrea Serino**; andrea.serino@unil.ch

**Interoceptive information shapes affective and aesthetic evaluations of the human body**

**Emily Cross, Andrea Orlandi**; ecross@ethz.ch

**Parental interoceptive sensitivity: how parents read their children's bodily signals and distinguish them from their own**

**Katerina Fotopoulou**; a.fotopoulou@ucl.ac.uk

**Politics embodied: how politics shapes and is shaped by the bodily experience of emotion**

**Manos Tsakiris, Andrea Vik, Alejandro Galvez-Pol, Shoe Park**; Manos.Tsakiris@rhul.ac.uk

**S4-6: Embodied Self and beyond: Interdisciplinary perspectives on bodily experiences and clinical vulnerability**  
Location: **Room 9A**

**Embodied Self and beyond: Interdisciplinary perspectives on bodily experiences and clinical vulnerability**

Chair(s): **Laura Barca**

*Presentations of the Symposium*

**Respiratory modulation of cardiac interoception in response to psychosocial stress**

Riet Vergauwe, Saman Seifpour, Gert Vanhollebeke, Mitchel Kappen, Stefanie De Smet, Marie-Anne Vanderhasselt, Chris Baeken; Riet.Vergauwe@UGent.be

**The immediate effects of a resonant breathing exercise on adolescents' stress responses**

Nathalie Michels, Marie-Anne Vanderhasselt, Jolien Braet, Janne Vreye, Riet Vergauwe, Jente Depoorter, Matteo Giletta; nathalie.michels@ugent.be

**An experimental investigation of the effects of resonance frequency breathing on symptoms of anxiety.**

David Spalding, Toni Ejoor, Liberty Wade, Elif Nalcaci, Tang-Ni Chuang, Cristina Ottaviani, Milan Valášek, Colette Hirsch, Hugo Critchley, Fran Meeten; David.spalding@kcl.ac.uk

**The effect of a short slow paced breathing exercise on positive reappraisal of autobiographic negative memories.**

Jente Depoorter, Kristof Hoorelbeke, Rudi De Raedt; Jente.Depoorter@ugent.be

**Combining physical exercise and slow-paced breathing to improve psychophysiological indices of emotion reactivity, psychosocial stress reactivity and recovery.**

Emmanuelle Schoonjans, Zefeng Li, Jens Allaert, Evi Wezenbeek, Pieter Van den Berghe, Simon Helleputte, Stefanie De Smet, Rudi De Raedt, Marie-Anne Vanderhasselt; Emmanuelle.Schoonjans@UGent.be

**S4-7: Neural and contextual mechanisms supporting and constraining empathy**

Location: **Room 6B**

**Neural and contextual mechanisms supporting and constraining empathy**

Chair(s): Lasana Harris, Naira Delgado

*Presentations of the Symposium*

Chair(s): **Giacomo Novembre**

*Presentations of the Symposium*

**Hyper-tACS-induced interbrain synchronization in the frontal cortex improves romantic relationships**

Yijun Chen, Shilin Wen, Xinyi Lu, Xiyun Chen, Chuan Fan, Qian Zhao, Huixing Gou, Zhangxin Du, Jiecheng Ren, Yuzhan Hang, Wei Wu, Rujing Zha, Grit Hein, Zhengde Wei, Xiaochu Zhang; Chen\_Y3@ukw.de

**Online hd-trns over the right temporoparietal junction modulates social inference in human-machine social interactions**

Vincent Chamberland, Quentin Moreau, Yuto Kurihara, Guillaume Dumas; vincent.chamberland@umontreal.ca

**Neural mechanisms of joint agency: A dual-brain stimulation approach**

Yuto Kurihara, Ayaka Tsuchiya, Guillaume Dumas, Rieko Osu; yutokuriha@gmail.com

**Stress disrupts inter-neural synchrony in humans**

Atesh Koul, Federica Antonelli, Anna Monai, Fabrizio Bernardi, Nicola Marie Engel, Iliara Carta, Francesca Managò, Arianna Benedetti, Anna Maria Borruto, Ludovico Spattini, Federica Maltese, Chunzhi Yi, Gian Marco Leggio, Guillaume Dumas, Stefano Panzeri, Francesco Papaleo, Giacomo Novembre; atesh.koul@iit.it

**Inter-brain dynamics modulate emotion discrimination**

Federica Antonelli, Anna Monai, Fabrizio Bernardi, Atesh Koul, Nicola Marie Engel, Iliara Carta, Francesca Managò, Arianna Benedetti, Anna Maria Borruto, Ludovico Spattini, Federica Maltese, Chunzhi Yi, Gian Marco Leggio, Guillaume Dumas, Stefano Panzeri, Giacomo Novembre, Francesco Papaleo; federica.antonelli@iit.it

**S4-8: Early environmental risk factors and vulnerability in aging: a life-course perspective revealed by EEG and mental disorders**

Location: **Room 6A**

**Early environmental risk factors and vulnerability in aging: a life-course perspective revealed by EEG and mental disorders**

Chair(s): Birgit Mathes, Claudio Babiloni

*Presentations of the Symposium*

*Presentations of the Symposium*

**The body as a source of evidence: Managing uncertainty and eating-related attitudes in non-clinical populations**

Laura Barca; laura.barca@istc.cnr.it

**Modifying Bodily Self-Representation in AN via exteroceptive and interoceptive Interpersonal Multisensory Stimulation procedures**

Iliara Bufalari; ilaria.bufalari@uniroma1.it

**Embodied synchronization in Schizophrenia: Sensorimotor and interoceptive coordination under social modulation**

Francesca Ferri, Francesco Bubbico; francesca.ferri@unich.it

**Conceptualizing social media use disorder: clinical characterization and neurobiological processes**

Tania Moretta, Elisa Wegmann; tania.moretta@uniecampus.it

**S4-9: Mu and beta brain rhythms in action-perception research**

Location: **Room 8B**

**Mu and beta brain rhythms in action-perception research**

Chair(s): Solene Kalenine, Yannick Wamain

*Presentations of the Symposium*

**Mu rhythm desynchronization as neurophysiological blueprint of biological motion: implications for early development of self-identity in the motor context**



**Emotion as a Gateway to Mind: Neural Dynamics of Dehumanization**

Carolina Biasiotti, Daniela Ruzzante, Jeroen Vaes; carolina.biasiotti@unitn.it

**Referencing the self in empathy for physical pain: when autobiographical experience helps—and when it hinders**

Federica Meconi; federica.meconi@unitn.it

**From self to other: dynamic effects of treatment expectations on empathy for pain**

Julia Braunstein, Helena Hartmann, Rebecca Lutz, Sam Voelk, Katharina Schmidt, Ulrike Bingel; Julia.Braunstein@uk-essen.de

**Task-dependent neural mechanisms of empathy in healthcare professionals**

Enrique Garcia-Marco, Naira Delgado, Yurena Morera, Adolfo García, Francesca Vitale, Manuel De Vega, Lasana Harris; enrique.garcia@dpces.uhu.es

**Socioeconomic and cultural challenges affect spontaneous eeg and event-related brain responses in infants**

Birgit Mathes, Robin Kemmerich, Svea von Borell du Vernay, Ömer Koc, Ulrike Frischen, Annika Susan Wienke; birgit.mathes@uni-bremen.de

**Associations between early experiences with caregivers and social cue processing in adulthood: behavioral and neural evidence**

Micol Gemignani, Simona de Falco; micol.gemignani@unitn.it

**Analogies between resting-state electroencephalographic rhythms in children and patients with Alzheimer's disease**

Claudio Babiloni, Christoph Berger, Martin Becker, Martin Dyrba, Michael Kölch, Stefan Teipel, Thomas Kirste, João Areias Saraiva; claudio.babiloni@uniroma1.it

**Understanding effects of late-life depressive symptoms on event-related oscillations in cognitively unimpaired seniors and individuals with mild cognitive impairment**

Görsev Yener, Yağmur Özbek; gorsev.yener@gmail.com

Marcella Romeo, Emiliano Ricciardi, Francesca Garbarini; marcella.romeo@imtlucca.it

**Does  $\mu$  rhythm desynchronization reflect activation and/or competition between distinct action representations during object perception?**

Yannick Wamain, Lilas Haddad, Solène Kalénine; yannick.wamain@univ-lille.fr

**The limits of sensorimotor mu suppression as a measure of emotional action simulation**

Alison Harris; Alison.Harris@ClaremontMcKenna.edu

**Neural entrainment to rhythmic actions in perception–action coupling**

Alice Mado Proverbio, Matteo Valtolina, Pasquale Scognamiglio, Alberto Zani; mado.proverbio@unimib.it

12:00pm

**Group Photo**

- Location: **Main entrance (on the steps) of the Economics building**

12:15pm

12:15pm

**Lunch Break**

- Location: **Catering Areas**

2:00pm

**P2: Poster session**

Location: **Poster Area**

See all panel numbers of posters at <https://escan2026.eu/wp-content/uploads/2026/06/ESCAN2026-Posters-sessions-with-panel-numbers-1-june.pdf>

**Reduced affective touch sensitivity in depersonalisation and the influence of respiratory phase**

Veronika Alekseeva, Laura Crucianelli, Federica Meconi

**The Effects of Psychosocial Stress in the Intrinsic Reward Elicited by Word Learning and its Impact on Memory Formation**

Claudia Alvarez-Martin, Xim Cerdà-Company, Antoni Rodríguez-Fornells

**From beliefs to brain: attitudes toward intimate partner violence**

**against women modulate neural response to violence**

**Sofia Amaoui, Carmen Morawetz**

**Does conversation timing influence social bond formation? A hyperscanning study**

**Tobias Ashdown, Antonia Hamilton**

**Voluntary thermoregulation can only be achieved via skeletal muscle activation**

**Vlada Aslanov, Noelani Luckas, Lukas Gerhards, Vlada Caraman, Hein Daanen, Tomas Knapen, Simon van Gaal, Johannes J. Fahrenfort**

**Balancing inner and outer rhythms: Interoceptive regulation of self–other boundaries**

**Julia Ayache, Alexander Sumich, Nadja Heym**

**Exploration-exploitation dilemma in joint value-based decisions is driven by resistance to erratic randomness**

**Bahador Bahrami, Ece Doğu, Mustafa Yavuz**

**Behavioral and neural signatures of the joint Simon effect: Are its mechanisms equivalent to the standard Simon effect?**

**Jacopo Barbiero, Antonino Visalli, Francesca Miti, Sandro Rubichi, Cristina Iani**

**Stress-prospective memory interactions: challenges and future directions**

**Rachana Belal, Gunjan Joshi Belal, Hansel Chris Rodrigues, Tanisha Rathore, Khushi Joshi, Kedarmal Verma**

**Not all theta is real: removing illusory induced oscillations with Woody filtering and single-trial regression**

Zayneb Bellatif, James Bonaiuto, Máté Gyurkovics, Quentin Moreau

**Evaluative conditioning shapes affective face perception and approach responses: A behavioral and eye movement study**

Valentina Bernardi, Minah Chang, Andrea Caria

**Topographical effects of emotional dominance on readiness potential**

Madia Marika Biasi, Veronica Debora Toro, Gianluigi Serio, Paola Palladino, Tiziana Quarto

**One molecule, one thousand noses - a study investigating variability in smell perception**

Antonie Louise Bierling, Tim Jesgarzewsky, Alexander Croy, Maria Rommel, Gianaurelio Cuniberti, Thomas Hummel, Ilona Croy

**How environmental temperature reshapes your interpersonal space**

Margherita Bisaglia, Laura Battistel, Massimiliano Zampini, Riccardo Parin

**Neural and behavioral correlates of self-recognition across unedited and edited self-images**

Carla Blandino, Martina Mingardi, Andrea Serino, Chiara Brombin

**Involvement of physiological reactivity and interoception in emotional experience: evidence from a traumatic brain injury (TBI) population**

Alice Bodart, Laurent Lefebvre, Mandy Rossignol

**Emotion suppression and the Cardiovascular Conundrum: Hemodynamic responses to Minority Stress in LGB individuals**



Daniele Bomarsi, Giuseppe Salvo,  
Gianluca Esposito, Julian F. Thayer,  
Fiorenzo Laghi, Roberto Baiocco,  
Cristina Ottaviani

**When harm comes from those we  
love: Neural evidence of moral  
conflict in the evaluation of  
gender-based violence.**

Nira Borges-Castells, Daniela  
Ruzzante, Naira Delgado

**Impact of emotional and cognitive  
load on the expression of  
intersectional social biases  
during first-impression formation**

Lucile Bottein, Randy Ruggeri, Lou  
Safra, Julie Grezes

**Interoceptive Trait Prediction  
Error mediates the placebo effect  
on fatigue: evidence supporting  
the Bayesian framework**

Miriam Braga, Irene Lozzi, Mehran  
Emadi Andani, Mirta Fiorio

**Core executive functions and  
cognitive emotion regulation  
among temperament based types  
in community-dwelling older  
adults**

Xenia Brancart, Gina Rossi, Lander  
Cannaerts, Rudi De Raedt, Eva  
Dierckx

**Time and ethics: The Effects of  
Temporal-Discounting on Moral  
Conflict Decision Making**

Rotem Broday-Dvir, Monica Burcusel,  
Megan Tan, Christian Keysers, Valeria  
Gazzola

**Effect of expectancy and pain  
conditioning on muscle synergy  
composition and timing in healthy  
adults**

Jennifer Burgos-Tirado, Guillaume  
Léonard, Thierry Lelard, Flore Le  
Blanc, Maryne Cozette

**The lives of others: bias in neural response and costly information seeking about risks to life**

Daniel Campbell-Meiklejohn, Jo Cutler, Jolyon Miles-Wilson, Mariachiara Peruzzo

**Neural Responses to Maternal vs. Unfamiliar Affective Touch: an fNIRS study among 10-month-old Infants**

Livia Campos, Camila Ribeiro, Isabella Francischelli, Sergio Novi, Rogerio de Oliveira, Sarah Lloyd-Fox, Rickson Mesquita, Ana Osorio

**Shared physiological markers of vicarious pain in humans and rodents**

Monia Cariola, Baptiste Maheo, Fadel Zeidan, Monique Smith, Olga Dal Monte, Christian Keysers, Valeria Gazzola

**Exploring anxiety-dependent responses to vagus nerve stimulation in probabilistic learning**

Oliver Case, Joe Barnby, Jorja Davies, Kyle Jasmin

**Functional brain connectivity in patients with chronic back pain strengthened after interdisciplinary multimodal pain therapy**

Kung-Hui Chiang, Alexander Ritter, Ilona Croy, Winfried Meissner, Thomas Weiss

**Effect of acoustic variability on novel word learning in children**

Chaimae Chouaa, Annabelle Merchie, Gaétane Deliens

**AIRCA: A robot-mediated social gaze training protocol for children with autism spectrum disorder**

Francesca Ciardo, Valentina Martellotta, Raffaele Simone Scuotto, Actis-Grosso Rossana, Borghese Nunzio Alberto, Chitti Eleonora, Cavallo Filippo, Fiorini Laura, Pugi

Lorenzo, Olivari Benedetta, Carenzi  
Cecilia, Ricciardelli Paola

**One Capacity, Multiple Profiles: A  
Functional Framework for  
mechanistically mapping  
inhibitory Control**  
Jacopo Colelli

**Preliminary findings from the  
Italian validation of the Behavioral  
Emotion Regulation  
Questionnaire (BERQ)**  
Francesca Colombi, Giulia Fusi,  
Maura Crepaldi, Andrea Greco, Maria  
Luisa Rusconi

**Phantom limb sensation and gaze  
behavior in upper-limb  
amputation: Shunning or  
persistent phantom limb behavior  
in the presence of obstacles**  
David Crevillen, Manfredo Atzori,  
Emily Cross, Gianluca Saetta

**The lonely body: a cross species  
systematic review of neural,  
cardiac, gastrointestinal,  
respiratory and inflammatory  
correlates of social isolation**  
Giovanna Cuomo, Hajar Al  
Naqshbandi, Giulia Filippazzo, Nina  
Olivia Hummel, Margherita Barbetti,  
Ugo Giulio Pesci, Rachele Pezzetta,  
Salvatore Maria Aglioti, Luca  
Carnevali, Giuseppina Porciello,  
Vanessa Era

**Embodied dynamics of empathy  
through listening: A multimodal  
dataset**  
Cecilia Dapor, François Quesque,  
Rocco Mennella

**Association between sleepiness,  
sleep quality, and resting-state  
electroencephalographic markers  
in Parkinson's disease  
participants**  
Mina De Bartolo, Roberta Lizio,  
Claudio Del Percio, Giuseppe Noce,  
Susanna Lopez, Matteo Carpi, Paolo  
Barone, Arianna Cappiello, Angelo  
Antonini, Eleonora Fiorenzato,

Fabrizio Stocchi, Chiara Coletti,  
Claudio Babiloni

**Social anxiety shapes psycho-physiological and visual exploratory responses in emotionally connoted virtual environments**

Lucia De Francesco, Alessia Podo,  
Donato Salimbene, Alessandro Mazza,  
Francesco Strada, Andrea Bottino,  
Olga Dal Monte

**EEG Signatures of Sense of Agency: a Systematic Review**

Louise De Meulenaer, Evelyne Fraats,  
Emilie Caspar

**Vagal stimulation optimizes the dynamics of multisensory affective integration**

Giorgia De Santis, Luca Sebastianelli,  
Daria Agata Ottone, Mariella Pazzaglia

**Performance of serious videogames of SMARTME&YOU home telemonitoring platform is associated with cognitive and electroencephalographic biomarkers in Parkinson's disease participants**

Claudio Del Percio, Roberta Lizio,  
Mina De Bartolo, Giuseppe Noce,  
Susanna Lopez, Paolo Barone,  
Arianna Cappiello, Eleonora  
Fiorenzato, Angelo Antonini, Fabrizio  
Stocchi, Chiara Coletti, Claudio  
Babiloni

**Location- and affordance-related cues in interactive gestures and objects elicit distinct spatiotemporal EEG responses**

Pinar Demir, Fatmanur Etili, Efe  
Soyman

**Inhibitory control as a transdiagnostic deficit in disorders of motivation: a multilevel meta-analytic account**

Francantonio Devoto, Margaux Girati,  
Gabriele Ajroldi, Laura Zapparoli

**Assessing the roles of belief attribution and perceptual cues in social brain responses to a robotic agent**

Camilla Di Pasquasio, Brigitte Bigi, Bruno Nazarian, Marc Cavazza, Thierry Chaminade

**When being in synch backfires: context-dependent effects of physiological synchrony on reciprocity**

Fabiola Diana, Folz Julia, Sjak-Shie Elio, Ruud Hortensius, Kret Mariska E.

**Higher-order models for fNIRS hyperscanning in complex and ecological interactions.**

Matteo Diano, Tommaso Ciorli, Ilaria Stura, Valerio Bioglio, Alessia Moiso, Francesca Persiani, Radu Covaci, Cristiana Angelini, Ennio Bilancini, Andrea Santoro, Lorenzo Zaffina, Giovanni Petri, Federico D'Agata

**Neural correlates of adolescents' trust in police: developmental and socio-economic status influences**

Ethell-Marjorie Dubois, Yara J. Toenders, Sophie W. Sweijen, Lydia Krabbendam, Anna van Duijvenvoorde, Jeroen van der Waal, Eveline A. Crone

**Visual event-related connectivity is more affected in Parkinson's disease MCI than in amnesic MCI due to Alzheimer's disease**

Rumeysa Emir, Hilal Kula, İlayda Kıyı, Görsev Yener

**Anticipatory and consummatory responses to touch and food rewards in anorexia nervosa**

Fiona Eslami Tehrani, Yanick Lahaye, Emilio Chiappini, Philipp Lazen, Ema Lazić, Bianca Miculescu, Sarah Pernegger, Annika Teppert, Gudrun Wagner, Konstantin Kopp, Wolfgang Bogner, Michael Zeiler, Andreas Karwautz, Giorgia Silani

**Changes of neural activity in major depressive disorder associated with cognitive behavioral therapy – A meta-analysis of longitudinal fMRI studies**

Leonie Esser, Elisabeth Schrammen, Annelie Mekelburg, Katharina Hierl, Lara Maliske, Philipp Kanske, Katharina Förster

**Inter-brain synchrony explains how joint action differs from acting side-by-side**

Martina Fanghella, Elena Mussini, Agnese Zazio, Francesca Genovese, Eleonora Satta, Guido Barchiesi, Alexandra Battaglia-Mayer, Marta Bortoletto, Guillaume Dumas, Corrado Sinigaglia

**Understanding the attractiveness of human body odors: the link between perception and chemical composition**

Camille Ferdenzi, Valentine Brémond-Bostoen, Damien Steyer, Nicolas Barthès, Bruno Buatois, Laurent Dormont

**When touch shapes space: neural bases of social and instrumental peripersonal space**

Francesca Ferroni, Francesca Rastelli, Nunzio Langiulli, Laura Crucianelli, Vittorio Gallese, Martina Ardizzi

**Resting Aperiodic Exponent  $\chi$  as a Stable Individual Marker and Its Relation to Contextual Emotional Decisions and FAA**

Michelle Fitos, Raissa de Oliveira Negrão, Ayanna Carla de Moraes Gerôncio, Renáta Cserjési

**A cross-cultural approach to future thinking across adulthood**

Anne-Lise Florkin, Elena Cavallini

**Spatial but not temporal orienting of attention enhances the temporal resolution of human vision.**

Francois Foerster, Anne Giersch, Axel Cleeremans

**Hormone replacement therapy and adaptive brain functioning in postmenopausal women**

Zsófia Anna Gaál, Nóra Csikós, Andrea B. Protzner, Petra Csizmadia, Lili Kővári, Szabolcs Várbíró, Dóra Gerszi, Dorina Greff, Orsolya Horváth

**Dissociating subjective and neural markers of joint agency: Robot's expression of intentionality enhances sensory attenuation but reduces subjective joint agency**

Qi Gao, Ilkay Ari, Mateusz Wozniak, Gioele Migno, Davide De Tommaso, Agnieszka Wykowska

**Enhancing action with a supernumerary robotic digit alters**

Francesca Genovese, John J Sykes, Elena Mussini, Martina Fanghella, Guido Barchiesi, Domenico Prattichizzo, Simone Rossi, Corrado Sinigaglia

**Which psychological processes support emotion regulation? A mechanistic fMRI approach**

Laura Gervais, David Lang, Anna Gmeiner, Carmen Morawetz

**The internal–ecological validity trade-off in social neuroscience: Lessons from autism**

Laura Gettemans

**Investigating social touch and peripersonal space in autistic adults through participatory research and multimodal measures in immersive virtual reality**

Anna Giometti, Matteo P. Lisi, Martina Fusaro, Ilaria Minio Paluello, Salvatore Maria Aglioti

**Boosting nature's regulatory effects on emotion: An fMRI investigation of guided nature exposure**

Anna Gmeiner, Carmen Morawetz

**Empathy accelerates subjective time perception, independent of physiology but not of visual attention**

Soroosh Golbabaei, Mina HosseinNezhad, Zahra Karami, Khatereh Borhani

**Fear related human odour modulates affective sentence processing: a naturalistic multisensory study**

Javier Gómez Pérez, Ilja Croijmans

**Inter-Brain Plasticity as a Neural Mechanism of Interpersonal Change in Psychotherapy**

Keren Gorst Kaduri, Haran Sened, Tamar Radai, Ayelet Avny, Hadas Nathan Gamliel, Sigal Zilcha Mano, Simone Shamay Tsoory

**How action shapes emotion: Subjective and physiological evidence**

Aurore Goubrievsky, Julie Grezes, Matteo Sequestro, Lisa Sturm, Morgan Beurenaut, Rocco Mennella

**Strengthening cognitive control to improve emotion regulation**

Christina Grammenou, Carmen Morawetz

**When the eyes disappear: neural dynamics of emotion recognition under eye occlusion**

Daniel Granja, Nicolas Burra

**Alpha and beta event-related synchronization (ERS) as a marker of self and other processing during finger tapping**

Camilla Gregorini, Mario Medoni, Marco Petilli, Arianna Schiano



Lomoriello, Anna Zamm, Ivana Konvalinka

**Emotional modulation of temporal density in natural grasping: a vision-based kinematic study**

Hakki Egemen Gülpinar, Anastasiia Skryzhadlovska, Robert Haschke, Olga Abramov, Amir Jahanian Najafabadi

**The INTERACT project: A protocol for assessing neural and physiological correlates of social interaction in naturalistic task settings.**

Rita Hansl, Shuo Chen, Andrea Karaiskaki, Nick Michalek, Esther Preuschhof, Katharina Förster, Konrad Lehmann, Lara Maliske, Philipp Kanske

**How does existing friendship affect synchrony and pro-sociality?**

Lauren Harding-Brown, Antonia Hamilton

**Heart rate dynamics and EEG correlates in Parkinson's disease cognitive decline using wearable monitoring**

Veronica Henao Isaza, Matteo Carpi, Mina De Bartolo, Claudio Del Percio, Roberta Lizio, Giuseppe Noce, Susanna Lopez, Antonio Pio Afragola, Federica Fiorentino, Filippo Carducci, Burcu Bolukbas, Paolo Barone, Arianna Cappiello, Simone Cauzzo, Eleonora Fiorenzato, Fabrizio Stocchi, Chiara Coletti, Francesco Infarinato, Giacomo Maria Russo, Lorenzo Angeloni, Andrea Rosati, Andrea Baldas, Vittorio Luigi Diana, Delia Passalacqua, Sabrina Tomassini, Angelo Antonini, Claudio Babiloni

**Is neuroscience challenged by a gender bias?**

Cornelia Herbert, Raphael Kneipp, Nina Kapfer

**Networks of the social brain. Connecting dog to human social**

**brain function using comparative neuroimaging**

Raúl Hernández, Laura V. Cuaya, Julia Meier, Ludwig Huber, Claus Lamm

**Thin-ideal glorification versus criticism: Effects on body image and affective responses among young women**

Hadas Hevron Olinky, Naama Shimoni, Noam Weinbach

**Sensorimotor cortex causally modulates pain empathy through interactions with anterior insula: A TMS-fMRI study**

Shijie Huang, Yuqing Zhou

**The aversive action control task (aACT): Emotional modulation of continuous whole-body tracking in virtual reality**

Ulkar Huseynzade, Andreas B. Eder

**Reduced inhibitory performance during the systolic but not the diastolic cardiac phase**

Giuseppe Ippolito, Marianna Ambrosecchia, Lorenzo Però, Simone Battaglia, Sara Borgomaneri

**Understanding quality of life in Parkinson's disease: contributions of social cognition and interpersonal relationships**

Marie Jacques, Coline Zigrand, Marina Brillon-Corbeil, Martine Desjardins, Peter B Scherzer, Jean-François Gagnon

**Functional near-infrared spectroscopy (fNIRS) of neural-behavioural dynamics during maternal cognitive load in naturalistic work-from-home environments**

Ajevan Jegathisan, Victoria Chua, Vanessa Khoo, Megan Ong, Atiqah Azhari

**Hemodynamic cortical correlates of critical game phases in mind sports: First insights from Go and chess**

Tim Jesgarzewsky, Vanessa Nöring, Manja Marz, Ilona Croy

**The role of mood and effort on shifts toward approach motivation following exertion of self-control**

Emily Johnstone, Zachary W. Petzel

**Triangulating Physiological and Neural Signatures of Sustained Attention to Social and Non-Social Stimuli in Toddlers**

Antonia Jordan-Barros, Tessel Bazelmans, Jannath Begum Ali, Rianne Haartsen, Luke Mason, Tony Charman, Mark Johnson, Emily Jones, Anna Gui

**Emotional valence influences memory distortion: a signal detection approach**

Gunjan Joshi, Tanisha Rathore, Rachana Belal, Hansel Chris Rodrigues, Kedarmal Verma

**Monitoring vagal dynamics: a biomarker for cognitive effort in language comprehension.**

Khushi Joshi, Hansel Chris Rodrigues, Gunjan Joshi, Tanisha Rathore, Rachna Belal, Thapasya J, Kedarmal Verma

**Comparing P300 visual ERP responses between Logopenic PPA, Posterior Cortical Atrophy and healthy controls**

Aslı Kartal, Seren Düzenli Öztürk, Ömer Sönmez, İlayda Kıyı-Atilla, Didem Öz, Görsev Yener

**State and trait anxiety modulate hemodynamic amygdala responses to innocuous auditory stimulation**

Despoina Kartsaki, Martina Trisia Cinca-Tomás, Emmanouela Kosteletou-Kassotaki, Mara Cean,

Debora Lombardo, Judith Domínguez-Borràs

How does soft power work?  
Neural mechanisms of attraction-based influence

Johanna Keck, Aline Simonetti, Jorge Alejandro Valdez Soto, Hendrik Ohnesorge, Johannes Schultz

Emotion regulation flexibility: strategies effectiveness depends on emotional situation characteristic and baseline HRV

Dorota Kobylńska, Julian Mituniewicz, Maria Wasylkowska

Evaluating body structural representation under affective touch

Sébastien Alexandre Krienen, Nicholas Paul Holmes, Heather J. Ferguson, Luigi Tamè

Multi-methodological characterization of sleep deprivation: from standard EEG power spectra to aperiodic dynamics in humans and mice.

Thomas Kroker

Emotion regulation as a proactive buffer: behavioral and neural effects on subsequent stress responses

Gaia Lapomarda, Carmen Morawetz

Implicit expectations: neural evidence for reward pavlovian conditioning in the absence of stimulus-outcome contingency awareness

Mateo Leganes-Fonteneau, Chloe van Steenoven, Simon van Gaal

Investigating approach/avoidance tendencies through a gait initiation task: An exploratory posturography study in male AUD patients

Salvatore Campanella, Macha Dubuson, Maylis Pereira, Harold Mouras, Guillaume Leonard, Xavier Noel, Thierry Lelard

**More normative event segmentation is associated with more future-oriented choice**

Karolina M. Lempert, Luis S. Garcia Campos, Jonathan Grant, Chloe A. Ott, Areesha Riaz, Heather Gittelsohn, David Clewett

**Context matters: controllability and reward richness modulate willingness to exert effort**

Bingjie Li, Karin Roelofs, Eliana Vassena

**Association among serious videogames of the SmartMe&You-TELEMAIA home telemonitoring platform, cognitive status and resting-state electroencephalographic markers in Alzheimer's disease participants**

Roberta Lizio, Claudio Del Percio, Mina De Bartolo, Giuseppe Noce, Susanna Lopez, Matteo Carpi, Paolo Barone, Arianna Cappiello, Eleonora Fiorenzato, Angelo Antonini, Fabrizio Stocchi, Chiara Coletti, Claudio Babiloni

**The Em-Body study: exploring the link between interoception, emotion, and mental health**

Beth Longley, Hannah Savage, Wilson Lim, Adrian Yoris, Lydia Hickman, Camilla Nord, Sarah Garfinkel

**Action prediction and mu rhythm suppression: differences associated with autistic traits**

Joana López-Pigüi, Inmaculada León, Manuel de Vega, Tjeerd Jellema

**Emotion-specific neural spillover affects memory for subsequent stimuli**

Valerio Maglianella, Catia Alves, Alexander Genevsky, Ale Smidts, Maarten Boksem

**Investigating the relationship between mental and embodied experiences in trait depersonalization**

Marzia Magnanini, Marco Ganio Mego, Bruno Ortega, Julia Lebovitz, Sohee Park, Anna Ciaunica

**Sadness-specific facial emotion recognition deficits in mild cognitive impairment relate to cortical thickness in the superior parietal cortex**

Rachana Mahadevan, Naomi Kristin Giesers, Thomas Liman, Karsten Witt, Andrea Hildebrandt, Stephanie Rosemann, Mandy Roheger

**Nose tip temperature: a thermal marker of public speaking anxiety – evidence from two studies in an organizational setting**

Francesca March, Sarah Boukarras, Althea Frisanco, Betul Ay, Francesco Bianchi, Chiara Consiglio, Laura Borgogni, Donato Ferri, Salvatore Maria Aglioti

**Gender-related effects of simulated microgravity in the somatomotor network during long-term head-down bed rest**

Marco Marino, Giovanna Tedesco, Serafino Paolo Mansueto, Francesca Ferranti, Boštjan Šimunič, Uroš Marusic, Alessandro Angrilli, Rado Pišot, Marco Narici

**Blurred lines or clear boundaries? Synchrony and social dominance shape domain-specific self–other processing**

Chloe Bates, Sofia Dias Salgado, Mariana von Mohr, Ivana Konvalinka, Andrew K. Martin

**Emotional attention dysregulation in insecure attachment style**

Arianna Mastrocesare, Sabrina Fagioli

**Approach-avoidance conflict modulates frontal lpp amplitude and alpha asymmetry**

Timothy McCoy, Anthony Vivino, Sarah Marshall, Hilmar Zech, Philip Gable

**The impact of virtual nature on stress buffering and recovery**

Liwen Meng, Jin Yan, Niels van Doesum, Daan Scheepers, Henk Staats, Henk van Steenbergen

**The whole-body dynamics of social threat avoidance in virtual reality**

Léana M'hani, Matteo Sequestro, Julie Grezes, Kevin Picavet, Sylvie Vernazza-Martin, Morgan Beaurenaut, Rocco Mennella

**Cognitive and Neural Bases of Expectancy and Uncertainty in Assessing Others' Pain**

Iaria Mirlisenna, Dariia Korsunova, Corrado Corradi-Dell'Acqua

**Against the male average: hierarchical drift diffusion modelling of sex judgments**

Devan Mitev, Kami Koldewyn, Paul Downing

**The E2 Atlas: A large-scale normative database of self-transcendent emotions in nature imagery**

Carmen Morawetz, Laura Marchesini

**Low affect sharing impairs observational fear learning: different roles for sympathetic and parasympathetic systems**

Alexa Müllner-Huber, Lisa Anton-Boicuk, Ekaterina Pronizius, Lukas Lengersdorff, Andreas Olsson, Claus Lamm

**Spatiotemporal dynamics of social perception along an occipitotemporal visual stream**

Violette Munin, Céline Spriet, Liuba Papeo

**When do discrete emotions matter? Emotion specificity and attentional effects beyond valence**

Tehila Nadav, Idan Safra, Ofri Dagan, Avishai Henik

**Body-odor cues shape social perception in human–human and human–robot interaction**

Orit Nafcha, Tali Weiss, Noam Sobel

**Face identity memory and emotion recognition in autism: evidence for shared processing mechanisms**

Nadia Nawi, Edwin Burns, Nicola Van Rijsbergen

**Emotional priming effects on secondary hyperalgesia development: A multimodal psychophysiological approach**

Mariana Oliveira, A. Ribeiro-Carreira, Lídia Carvalho, Alberto J. González-Villar, Joana Coutinho

**Bodies that change with pain after spinal cord injury**

Daria Agata Ottone, Giorgia De Santis, Luca Sebastianelli, Mariella Pazzaglia

**Do hypomanic traits affect emotional interference control in a non-clinical sample ?**

Jülide Öztürk, Fanny Grisetto, Franca Schmid, Martina Traykova, Sarah Barrière, Arthur Kaladjian, Audrey Henry

**Microscopic sensorimotor alterations in psychosis and chronic cannabis use**

Filippo Pasqualitto, Alice Tomassini, Angela Muscettola, Cecilia Gabelli, Giovanni Nazzaro, Giovanni Antonio De Bellis, Francesco Torricelli, Luigi Grassi, Luciano Fadiga, Martino Belvederi Murri, Alessandro D'Ausilio



**Resting state EEG eigenvector centrality negatively correlates with math anxiety**

Anna Pavlova, Timofey Adamovich, Sergey Malykh

**Decreased delta-band functional connectivity in posterior cortical atrophy during a visual oddball paradigm**

Miray Peker, İlayda Kıyı Atilla, Görsev Yener

**Entropy-Based EEG Metrics and Psychological Flexibility/Inflexibility in Aging: Preliminary Evidence from High-Density Recordings**

Rachele Pezzetta, Ettore Napoli, Sara Zago, Fabio Masina, Alessia Simonetto, Irene Di Pietro, Alessandro Tonin, Maria Montefinese, Ilaria Parrotta, Giorgio Arcara, Daniele Marinazzo, Cristina Scarpazza

**Neural basis of attentional deployment in affective forecasting of hypothetical medication outcome trade-offs**

Roxane Philips, Claus Vögele, Chris Baeken, İrem Tuğçe Öz, James Madog Harris, Mathieu Petieau, Damien Brevers

**Top-Down modulation of Interoception and Moral Behavior: A TMS Study on the right Anterior Insula and right TPJ**

Olivia Carrubba, Andrea Salaris, Giuseppina Porciello, Maria Serena Panasiti, Salvatore Maria Aglioti

**Neural Correlates of Self-Control Conflicts in social Interactions**

Esther Preuschhof, Lara Z. Maliske, Alexander Giesche, Emanuel Jauck, Philipp Kanske

**Embodied dishonesty in competitive Online Interactions – the Roll & Tell mobile application**

Luca Provenzano, Marina Scattolin,  
Giuseppina Porciello, Maria Serena  
Panasiti, Riccardo Domenico Saulle,  
Giuseppe Ciccarone, Salvatore Maria  
Aglioti

Exploring the sensorimotor  
system's role in emotion  
authenticity discrimination: a  
ccPAS study

Thomas Quettier, Fausto Caruana,  
Cristina Scarpazza, Sara Borgomaneri

Neural adaptation to socio-  
emotional auditory stimuli in  
autistic children

Zoé Ranty, Annabelle Merchie,  
Antoine Auffret, Frédérique Bonnet-  
Brilhault, Diane Defresne, Pasqualino  
Glorioso, Joëlle Malvy, Hugo Zoppé,  
Carles Escera, Marie Gomot

Gravitational manipulation  
shapes task-load-dependent  
Ownership and Agency during  
virtual tool-use

Amir Jahanian Najafabadi, Alireza  
Rastegari

Validation of a French-speaking  
video set to measure empathic  
accuracy and physiological  
synchrony during emotional  
sharing

Simon Rigoulot, Dorothée Morand-  
Grondin, Floris van Vugt

Feasibility of PIANO-Cog for older  
adults: A randomised controlled  
pilot trial exploring changes in  
cognition and brain  
microstructure

Fionnuala Rogers, Carolyn McNabb,  
Ege Erdem, Claudia Metzler-Baddeley

Leveraging esketamine to  
enhance cognitive recovery in  
treatment-resistant depression: A  
framework integrating  
neuroplasticity and cognitive  
remediation

Audrey Uyttersprot, Aurore Colomar,  
Laurent Lefebvre, Mandy Rossignol

**Ingroup–outgroup dynamics of interpersonal coordination: group EEG hyperscanning beyond dyads**

**Mattia Rosso, Chuyang Sun, Leonardo Bonetti, Pieter-Jan Maes, Rixin Tang, Peter Vuust, Peter Keller**

**Social learning of abstract concepts in middle childhood: a multimodal hyperscanning study of behavioural and neural dynamics**

**Gal Rozic, Sara De Felice, Antonia Hamilton, Gabriella Vigliocco**

**Sustained Looking and Face-Region Biases to Emotional Faces in Elevated likelihood of atypical development/neurodevelopmental conditions**

**Mara Sabbioni, Martina Micai, Angela Caruso, Francesca Fulceri, Letizia Gila, Martina Attenni, Olimpia Riccioni, Miriam Polizzi, Anna Acampora, Francesca Avallone, Sonia Burzo, Carmela Bravaccio, Giulia Stoppa, Monica Fumagalli, Terje Falck-Ytter, Maria Luisa Scattoni**

**META-MUSEUM: EEG, physiological and psychometric assessment of visitors' experiences across European museums**

**Claudia Salera, Maria Pia Lucia, Michela Franzò, Michela Benente, Gianluca D'Agostino, Valeria Minucciani, Marco Iosa**

**How should phenomenology guide the neuroscientific study of mixed emotional affect?**

**Giulia Santelli**

**Feeling the heart: Dynamic coupling between emotion and cardiac interoception in blindness**

**Agnese Scarpellini, Veronica Domenici, Giada Lettieri**

**Augmenting enhanced cognitive behavioral therapy with transcutaneous auricular vagus nerve stimulation in eating disorders: preliminary evidence from the DIGEST study**

Costanza Scatà, Angelica Carandina, Francesca Rapella, Caterina Cozzarini, Benedetta Bottoli, Greta Salafia, Francesca Magna, Lucia Silvia Giobbi, Giandomenico Schiena, Paolo Brambilla, Nicola Montano, Eleonora Tobaldini

**Clear enough? Neural signatures of prototypical and subtle emotional Ffaces**

Arianna Schiano Lomoriello, Sara Costa, Antonio Maffei, Thomas Quettier, Paola Sessa

**The combined effects of prefrontal tDCS and slow-paced breathing on stress reactivity, emotional reactivity, and emotion regulation**

Emmanuelle Schoonians, Jens Allaert, Ymke Verduyn, Joni Houfflyn, Stefanie De Smet, Mitchel Kappen, Cristina Ottaviani, Rudi De Raedt, Marie-Anne Vanderhasselt

**Attentional and behavioral signatures of emotional flexibility in emotional eating: an Eye-Tracking study**

Mohsen Sedaghatkish, Renata Cserjesi, Alexander Logemann

**Searching for belonging: social exclusion and selective enhancement of visuospatial working memory for affiliative stimuli**

Lisa Manganiello, Luca Pancani, Silvia Serino

**Do affective symptoms predict cognitive performance during remote neuropsychological assessment?**

Soraia Silva Monteiro, Andreia Geraldo, Isabel Santos, Nick DeFilippis, Fernando Ferreira-Santos

**Alignment in touch behaviours  
among romantic couples**

Edgardo Silva Plaza, Yvonne  
Friedrich, Martin Bujard, Ilona Croy

**Reaching Distance Estimation as  
a novel Paradigm to measure  
Peripersonal Space Plasticity in  
Physical and Virtual Reality**

Amir Jahanian Najafabadi, Anastasiia  
Skryzhadlovska

**Brain activation differences in  
emotional perspective-taking  
between adolescents and adults ;  
an fMRI study**

Jung-Woo Son, Seong Kyoung Park

**Cognitive foundations of problem  
gambling: Early markers of  
gambling disorder**

Marija Stanković, Milena Spoa, Uroš  
Konstantinović, Bojana Djukić, Dunja  
Paunovic, Predrag Teovanović,  
Jovana Bjekić, Saša Filipović

**Structural vulnerability of social  
cognition networks in alcohol use  
disorder: A meta-analysis of grey  
matter alterations**

Natascha Steiger, Fabien Gierski,  
Farid Benzerouk, Audrey Henry,  
Pierre Maurage, Franca Schmid

**Respiration phase modulates  
aversive responding and varies  
with generalised anxiety - initial  
evidence for altered respiratory  
allostasis in anxiety**

Chatrin Suksasilp, Po Yi Woo, Sarah  
Garfinkel

**The role of reality monitoring in  
clinical and non-clinical  
dissociation**

Gwynnevere Suter, Emma Černis, Lei  
Zhang

**Modulating gastric acidity to  
probe the psychophysiological  
signatures of disgust and**

**pathogen-avoidance: a study protocol**

Jonasz Szydzisz, Andrea Salaris, Matteo P. Lisi, Giuseppina Porciello, Salvatore Maria Aglioti

**Modulation of reward prediction errors by negative emotion**

Lipika Taneja, Srikanth Padmala

**Interoceptive contribution to time perception in a cue combination framework**

Monia D'Angiò, Alessia Tomao, Alice Teghil

**Non-rapid eye movement sleep oscillations and memory consolidation in children with self-limited focal epilepsies of childhood**

Marine Thieux, Coralie Rouge, Alina-Mihaela Andrei, Pauline Van Gyseghem, Soléane Gander, Léa Perseo, Tom Balfroid, Anne Monier, Cynthia Prigogine, Audrey Van Hecke, Peter Simor, Vincent Wens, Xavier De Tiège, Alec Aeby, Charline Urbain

**Reduced efficiency in thermal homeostasis is linked to decreased body ownership and out-of-body experiences.**

Alara Ulgener, Gabriella Bottini, Gerardo Salvato

**When context shapes social understanding: developmental patterns in predictive processing from early adolescence to adulthood**

Nicole Urbini, Maria Pyasik, Libera Siciliano, Valentina Ciot, Giusy Olivito, Martina Tanieli, Viola Oldrati, Andrea Ciricugno, Cosimo Urgesi, Maria Leggio

**Negatively biased feedback impairs confidence in social judgments**

Rekha Varrier, Johannes Schultz

**Can heartbeat-evoked potentials be separated from Cardiac Field Artefact (CFA) using beamforming?**

Rania-Iman Virjee, Rohan Kandasamy, Sarah N. Garfinkel, Mahinda Yogarajah, Vladimir Litvak, David W. Carmichael

**Navigating Frustration: Neural insights into emotion regulation mechanisms**

Nils Wehner, Carmen Morawetz

**High-cost emotion regulation in excessive social media users: inflexible strategy selection and compensatory neural recruitment.**

Xinyu Yan, Salvatore Campanella, Jiajin Yuan

**When AI acts social: Processing costs reveal tension in agent representation**

Mustafa Yavuz, Jurgis Karpus, Rhea Karty, Afroditi Tsourgianni, Mehul Nimpal, Ophelia Deroy

**Less money now, or more later? A Transcranial Magnetic Stimulation (TMS) study of the angular gyrus and delay discounting**

Adam Yngve, Chiara Montemitro, Emil Persson, Irene Perini, Gustav Tinghög, Markus Heilig

**The breathing mind: Respiratory phase-dependent brain oscillations and states of consciousness during sustained interoceptive attention**

Andrea Zaccaro, Velu Prabhakar Kumaravel, Maragda Puigcerver Perez, Francesco Bubbico, Francesca della Penna, Başak Bayram, Mauro Gianni Perrucci, Marcello Costantini, Francesca Ferri

**Setting the stage: the influence of real-time vocal masculinity transformations on group decision-making**

Daniel Zander, Evelina Hagström,  
Petter Johansson, Lars Hall, Pablo  
Arias-Sarah

**The emotional effects of  
heartbeat-like vibrotactile  
stimulation of the chest**

Žan Zelič, Joel Patchitt, Hugo D.  
Critchley

**Face Identity Recognition as an  
Endophenotype in Autism:  
Linking to Oxytocin Mechanisms**  
Qianqian Zhang

**From persons to objects:  
cognitive mechanisms underlying  
sexual objectification of women**

Hasya Fatiha Zuraimy, Bianca  
Monachesi, Raffaella Ida Rumiati

**Childhood Adversity and  
Reward–Stress Neurobiology of  
Resilience and Vulnerability in  
Depression**

Loïc Schollaert, Mónica Fernández  
Boente, Isabelle Auray, Jonathan  
Wirsich, Patrik Vuillemier, Chantal  
Martin Sölch

**A multilevel model of perspective-  
taking and the self**

Alix Bigot, Henryk Bukowski, Rebecca  
Boehme

**Developing a predictive coding  
task for social cognition: A tool  
for investigating individual  
differences in prior-sensory  
integration**

Ece Kurnaz, Ronald Sladky, Claus  
Lamm, Elisabeth V. C. Friedrich

**Why does social cognition resist  
modeling? From conceptual  
limitations to computational  
opportunities in social  
neuroscience**

Eline Klemm, Henryk Bukowski



**Post-Traumatic clinical need as a guide for translational neurobiology**

Heidi Anderson

**Neuromodulation and context in PTSD pathogenesis: Modelling, simulation studies, Expert by Lived Experience feedback**

Adam Linson, Heidi Anderson, Sarah Markham, Karl Friston, Michael Moutoussis

**Visual and auditory Predictive Processing in Autistic and Schizotypal traits: A preregistered ERP study**

Fernando Ferreira-Santos, Prune Mazer, Rita Pasi3n

**Periodic and aperiodic rsEEG markers in healthy elderly subjects and patients with mild cognitive impairment due to Alzheimer's disease**

Burcu B3l3kba3, Matteo Carpi, Veronica Henao Isaza, Susanna Lopez, Roberta Lizio, Giuseppe Noce, Mina De Bartolo, Claudio Del Percio, Claudio Babiloni

**EEG correlates of social grouping: The time-course of integrating interacting bodies into a new whole**

Anna Kamenetski, Jutta Mueller, Liuba Papeo, Eva Wittenberg

**Sensorimotor engagement within architecture dynamically shapes multisensory space representation: behavioral evidence and corticospinal probes.**

Giorgia Guerra Frey, Silvia Mastromarino, Federica Sanchez, Ashwanth Ramkuma, Anna Laura Fraghi, Pietro Avanzini, Nicola Bruno, Andrea Serino, Giovanni Vecchiato

**The effects of interoceptive attention modulation on the**

**neural correlates of emotional perspective-taking: an EEG study**

Patrícia Vilela Braga, Beatriz Vieira, Carina Fernandes, Fernando Barbosa, Fernando Ferreira-Santos, Mariana R. Pereira, Nuno Barbosa Rocha, Rita Pasion, Simone Schütz-Bosbach, Tiago Oliveira Paiva, Carlos Campos

**EEG Markers of Cognitive Flexibility in Response to Misinformation Feedback**

Daniela Lizarazo-Villarreal, Angela Marti-Marca, Mireia Torralba Cuello, Salvador Soto-Faraco, Clara Pretus

**Social approach–avoidance conflict: behavioral, emotional and neural correlates across depression and social anxiety symptoms**

Francisco Cervantes-Constantino, Alejo Acuña, Catalina Fernández, Michelle Guillen, Laura Mendaro, Antonella Brandani, Sebastián Morales, Alfonso Pérez, Javier Mattos, Enrique Cuña, Margarita García-Fontes, Alvaro Cabana, Jorge Armony, Michael Gaebler, Victoria Gradin

**Hypnosis and fear extinction in immersive virtual reality: preliminary evidence from a conditioning paradigm**

Simona Massimino, Carmelo Mario Vicario

**The effects of loving-kindness meditation and psilocybin on heart rate variability and affective outcomes**

Magdalena Jaglinska, Gerda Prakopimaite, Rosalind McAlpine, Sunjeev Kamboj, Jeremy Skipper

**Graded motor recruitment in literal and metaphorical Language: an fMRI representational similarity study**

Edoardo Arcuri, Francesca Ferroni, Stefana Garelli, Nunzio Langiulli, Vittorio Gallese, Valentina Cuccio, Martina Ardizzi

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>In the search for meaningful patterns of brain activity to classify comorbidity risk.</p> <p>Rita Pasion, Inês Macedo, <u>Tiago Paiva</u>, Carlos Campos, Raquel Costa, Diogo Lamela, Tiago Pinto, Inês Jongenelen, Catarina Botelho, Patrícia Braga, Chris Patrick, Inti Brazil, Max Hinne</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>Effects of transcranial direct current stimulation targeting the right temporoparietal junction on self-other control in schizophrenia</p> <p><u>Carlos Campos</u>, Maristela Candida, Nuno Barbosa Rocha, Sérgio Machado</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 2:00pm - 3:30pm | <p><b>O2-1: Action</b><br/>Location: <b>Acquario room</b><br/>Chair: <u>Biagio Dell'Omo</u><br/>Chair: <u>Martina Ciliberti</u></p> <p><b>Disruption of the dIPFC eliminates the emotion-based advantage in action inhibition</b><br/><u>Sara Borgomaneri</u>, Claudio Nazzi, Lorenzo Però, Simone Battaglia</p> <p><b>Peripersonal neurons of the ventral premotor cortex in freely moving monkeys</b><br/><u>Davide Albertini</u>, Monica Maranesi, Francesca Lanzarini, Elena Ferretti, Luca Bonini</p> <p><b>Causal enhancement of AON feedback connectivity improves prediction of observed human actions</b><br/><u>Sonia Turrini</u>, Emilio Chiappini, Marco Zanon, Sara Borgomaneri, Alessio Avenanti</p> <p><b>Shared Principles in Brains and Models: Causal and Motor-Based Representations for Speech</b><br/><u>Alessandro D'Ausilio</u></p> <p><b>Perceived time shapes fatigue via frontal, cingulate, and interoceptive areas</b><br/><u>Pierre-Marie Matta</u>, Leila Reddy, Alexandre Zénon, Julien Duclay, Robin Baurès, Andrea Alamia</p> | <p><b>O2-2: Social cognition</b><br/>Location: <b>Room 9A</b><br/>Chair: Ludovica Vosa<br/>Chair: Lorenzo Silla</p> <p><b>Seeing Together: Inter-agents Motion Energy coupling as a Cue for Perception of Sociality</b><br/><u>Piero Lamia</u>, Cesare Parise, Matteo Candidi</p> <p><b>Functional network organization underlying individual differences in false feedback susceptibility: a graph theoretical analysis</b><br/><u>Joel Patchitt</u>, Theodoros Karapanagiotidis, Sarah Garfinkel, Mark Miller, Manos Tsakiris, Andy Clark, Hugo Critchley</p> <p><b>Oxytocin enhances social cognition: converging evidence from several pharmacopsychophysiological studies</b><br/>Diana Prata</p> <p><b>Asymmetries in Basic Valence: Testing for the Limits of Pain and Pleasure Conceptions</b><br/><u>Lea Moncoucy</u>, Axel Cleeremans</p> <p><b>The good, the bad and the broken: neural processing of robot's aligned and misaligned autonomous behaviour</b><br/><u>Mateusz Wozniak</u>, Davide DeTommaso, Agnieszka Wykowska</p> | <p><b>O2-3: Decision-making</b><br/>Location: <b>Room 6A</b><br/>Chair: Sarah Boukarras<br/>Chair: Linda Riu</p> <p><b>When body-brain communication goes awry: Altered body-brain communication and decision-making in fibromyalgia</b><br/><u>Aleksandra Herman</u></p> <p><b>Impact of social context on brain-predicted craving</b><br/><u>Valérie Godefroy</u>, Martine Groefsema, Lin Congyu, Guillaume Sescousse, Hedy Kober, Maartje Luijten, Leonie Koban</p> <p><b>Neural basis of social metacognition</b><br/><u>Rebekka S. Mattes</u>, Gizem Vural, Sarina Drexler, Hongmei Xia, Alexander Soutschek</p> <p><b>Deciding to Regulate Emotion: Representing the Subjective Value of Prospective Emotional States in the ACC</b><br/><u>Carmen McClean-Daoust</u>, Charlotte Rae, Dan Campbell-Meiklejohn</p> <p><b>Does arousal guide adaptive choice? Evidence from pupil dynamics in reinforcement learning</b><br/><u>Ivan Ivanchei</u>, Simon van Gaal</p> |

**O2-4: Interoception**Location: **Room 3**Chair: **Ilaria Bufalari**Chair: **Anna Giometti****Interoceptive Phenomenology in Affect and Motivation**Olivier Desmedt, Pierre Maurage, Nathan Cina, Matthias Glaus, Pauline Billaux, Mateo Leganes Fonteneau, Joël Billieux**Task-dependent contribution of interoception and body representation to time perception**Alice Teghil, Matilde Conti, Martina Di Costanzo, Irene Ruffo, Maddalena Boccia, Liana Palermo**Isolating the cortical heartbeat response: EEG in brain death reveals a negative early heartbeat evoked potential**

Rohan Kandasamy, Sarah Garfinkel, Mahinda Yogarajah

**Beyond digestion: the stomach as a critical modulator of large-scale brain activity**Ignacio Rebollo, Leah Banellis, Soyoung Park, Micah Allen**Preliminary voxel-based evidence linking disrupted cardiac interoception and enhanced self-serving deception to insula and amygdala lesions**Giorgia Ponsi, Marina Scattolin, Gabriella Cucuzza, Sara Bertagnoli, Maria Serena Panasiti, Domenico De Angelis, Valentina Moro, Salvatore Maria Aglioti**O2-7: Psychophysiology**Location: **Room 5**Chair: **Andrea Salaris**Chair: **Sofia Ciccarone****Differences in psychological functioning and cardiovascular stress reactivity between sexual minority and heterosexual adults**Margherita Barbetti, Sylvia De Napoli, Cristina Ottaviani, Luca Carnevali**O2-5: Attention**Location: **Room 8A**Chair: **Gabriele Fusco**Chair: **Francesca March****Does shared information create attentional alignment?**

Ophelia Deroy, Bahador Bahrami

**Neurophysiological correlates of spatial attention in individuals with subclinical anxiety-depressive symptoms**Sabrina Fagioli, Emiliano Macaluso, Ilenia Salsano, Giovanni Calcagnini, Julian Thayer, Ernst Koster, Cristina Ottaviani**Dynamics of emotional lability and inhibitory control in adult Attention Deficit Hyperactivity Disorder: An ecological momentary assessment study**Tamar Malinovitch, Adina Maeir, Mor Nahum**Right and left DLPFC differentially modulate attentional scope in pre-goal and post-goal Positive affect: An rTMS study**Timothy McCoy, Austin Moran, Philip Gable**Body size modulates eye movements during body perception**Mario Dalmaso, Anna Lorenzoni**O2-8: Social decision-making**Location: **Tarantelli Room**Chair: **Stella Petkovic**Chair: **Eleonora Parrotta****Oxytocin-opioid modulation of social reinforcement learning in autism spectrum disorder**Raimund Buehler, Matthäus Willeit, Nace Mikus, Lei Zhang, Giorgia Silani**O2-6: Pain / Social Interaction**Location: **Room 8B**Chair: **Gabriele Vercelli**Chair: **Alessandro Iannone****When synchrony diverges: Dissociable behavioral and cardiac alignment under threat**Julia Ayache, Julien Laroche, Ophélie Caraminot, Camille Pistre, Simon Pla, Marta Bieńkiewicz, Benoit G. Bardy**EEG reveals the interplay between attention and motor preparation in the placebo effect**Mirta Fiorio, Irene Lozzi, Angela Marotta, Marika Berchicci, Mehran Emadi Andani, Miriam Braga**New evidence challenging the role of endogenous opioids in the regulation of human pain and fear**

Isabell M. Meier, Siri Leknes

**Social transmission of fear: motor system involvement in vicarious fear conditioning**Sonia Betti, Daniela Dalbagno, Elisa Straulino, Giuseppe di Pellegrino, Francesca Starita**O2-9: Clinical Neuroscience, Psychopathology**Location: **Room 6B**Chair: **Giulio Piperno**Chair: **Anna Giometti****Life-span effects of early life stress on peripheral physiology, brain structure and psychosocial risk.**Sofia Orellana

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|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <p><b>Semantic dimensions of teaching that guide human reinforcement learning</b><br/> <u>Hernan Anllo</u>, Bahador Bahrami, Uri Hertz, Stefano Palminteri</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <p><b>The cost of scrutiny: social anxiety constrains frontal-midline theta neural network reconfigurations during probabilistic learning</b><br/> <u>Hanjie Liu</u>, Melle van der Molen</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                 | <p><b>Dissociable cardiac–cortical signatures of physical and moral disgust</b><br/> <u>Maria Serena Panasiti</u>, Maria Rebecca Manzo, Anna Laura Fraghi, Giuseppina Porciello, Vanessa Era, Sofia Ciccarone, Arianna Vecchio, Giovanni Vecchiato, Salvatore Maria Aglioti</p>                                                                                                                                                                                                                                                                                                                                                                                    | <p><b>The neurocomputational mechanisms of prejudice formation: from a learning model perspective</b><br/> <u>Jianming Wang</u>, Yuqing Zhou</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p><b>Gestational age and resting-state brain connectivity: neuropsychological and socio-cognitive outcomes in very preterm children</b><br/> <u>Marta Elena Carrasco-Solis</u>, Sofia Amaoui, Carolina Laynez-Rubio, Ana Nieto-Ruiz, Aída Ruiz-López, Elisabeth Fernández-Marín, Ana Campos-Martínez, Manuel Molina-Oya, José Uberos-Fernández</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                 | <p><b>Weighting sensory inputs in sensorimotor- and multisensory-based body representation</b><br/> <u>Silvio Ionta</u></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><b>Effortful control and decision dynamics underlying race and intersectional biases in first impressions</b><br/> <u>Julie Grezes</u>, Lucile Bottein, Lou Safra</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <p><b>Altered sensory attenuation grounds perception of fatigue in clinical and healthy populations</b><br/> <u>Angela Marotta</u>, Emanuela Pizzolla, Mehran Emadi Andani, Ilaria Antonella Di Vico, Melania Fasoli, Irene Lozzi, Angela Sandri, Marialuisa Gandolfi, Michele Tinazzi, Mirta Fiorio</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                 | <p><b>Effects of High-Definition tDCS Targeting the dlPFC on Effort-Related Cardiac Reactivity</b><br/> <u>David Framorando</u>, Guido H. E. Gendolla, Philip A. Gable, Andrea Razzetto, Sarah Delobel</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <p><b>Social and cognitive adaptation to incarceration: Longitudinal evidence from behavior and EEG.</b><br/> <u>Victoria Rambaud</u>, Ilke Veeckman, Louis Favril, Tom Vander Beken, Emilie Caspar</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><b>Intranasal oxytocin transiently normalizes amygdala connectivity during facial emotional recognition in psychosis</b><br/> <u>Beatriz Barros</u>, Vasco Diogo, Diana Prata</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                 | <p><b>Rapid anticipatory cardiac deceleration predicts near-threshold visual detection</b><br/> <u>Lina Skora</u>, Gerhard Jocham</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3:30pm - 4:00pm | <p><b>Tea Break</b><br/> Location: <b>Catering Areas</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4:00pm - 5:00pm | <p><b>Award: Young Investigator Awards</b><br/> Location: <b>Tarantelli Room</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5:00pm - 6:30pm | <p><b>S5-1: Neural, Physiological, and Behavioural Bases of Engagement in Aesthetic and Live Performances</b><br/> Location: <b>Room 6B</b></p> <p><b>Neural, Physiological, and Behavioural Bases of Engagement in Aesthetic and Live Performances</b><br/> <i>Chair(s):</i> <u>Julie Grezes</u>, Victor Chung, Ondine Simonot-Béranger<br/> <i>Presentations of the Symposium</i></p> <p><b>Individual neural mechanisms of neuroaesthetic experience</b><br/> <u>Emily Cross</u>; <a href="mailto:ecross@ethz.ch">ecross@ethz.ch</a></p> <p><b>Delta-band audience brain synchrony tracks audience engagement with live and recorded dance performances</b></p> | <p><b>S5-2: From body representation to self-experience: neural mechanisms and clinical applications</b><br/> Location: <b>Room 9A</b></p> <p><b>From body representation to self-experience: neural mechanisms and clinical applications</b><br/> <i>Chair(s):</i> <u>Valentina Cazzato</u>, Catherine Preston, Rebecca Boehme<br/> <i>Presentations of the Symposium</i></p> <p><b>The bodily self in anorexia and schizophrenia</b><br/> <u>Rebecca Boehme</u>; <a href="mailto:rebecca.bohme@liu.se">rebecca.bohme@liu.se</a></p> <p><b>Interpreting bodily signals under stress: interoceptive accuracy, daily sensibility, and stress reactivity</b></p> | <p><b>S5-3: Naturalistic neuroscience: addressing real-world behaviour in controlled settings</b><br/> Location: <b>Tarantelli Room</b></p> <p><b>Naturalistic neuroscience: addressing real-world behaviour in controlled settings</b><br/> <i>Chair(s):</i> <u>Dominik R Bach</u>, Antonia Hamilton<br/> <i>Presentations of the Symposium</i></p> <p><b>Revealing canonical learning phenomena in naturalistic avoidance using immersive virtual reality</b><br/> <u>Huaiyu Liu</u>, Josie Linnell, Federico Mancinelli, Tom Beckers, Dominik R Bach; <a href="mailto:huaiyu.liu@ucl.ac.uk">huaiyu.liu@ucl.ac.uk</a></p> <p><b>Critical Intelligence: Towards understanding the neural mechanisms of naturalistic adaptive behaviour</b><br/> <u>Dominik R Bach</u>, Jack Brookes, Yontan Hutabarat, Lukas Kornemann, Juliana K Sporrer, Sajjad Zabbah; <a href="mailto:d.bach@uni-bonn.de">d.bach@uni-bonn.de</a></p> |

**Guido Orgs**; [guido.orgs@ucl.ac.uk](mailto:guido.orgs@ucl.ac.uk)

### **Physiological Synchrony as a Measure of Audience Engagement**

**Felix Carter**; [f.carter@bristol.ac.uk](mailto:f.carter@bristol.ac.uk)

### **Physiological synchrony and collective effervescence in theatre**

**Victor Chung, Ondine Simonot-Bérenger, Julie Grezes**; [victor.chung@ens.psl.eu](mailto:victor.chung@ens.psl.eu)

**S5-4: Early life adversity shapes affective processing and regulation across the lifespan**  
Location: **Room 6A**

### **Early life adversity shapes affective processing and regulation across the lifespan**

**Chair(s): Bridget Callaghan**

*Presentations of the Symposium*

### **Social buffering and resilience following early life adversity in adolescence**

**Anne-Laura van Harmelen**; [a.van.harmelen@fsw.leidenuniv.nl](mailto:a.van.harmelen@fsw.leidenuniv.nl)

### **Early life adversity biases neural and behavioral representations of ambiguity**

**Jennifer Silvers**; [silvers@ucla.edu](mailto:silvers@ucla.edu)

### **Early life adversity and affective health during pregnancy**

**Bridget Callaghan, Paul Savoca**; [bcallaghan@ucla.edu](mailto:bcallaghan@ucla.edu)

**S5-7: Neuroethology of social and affective behaviour**  
Location: **Room 8A**

### **Neuroethology of social and affective behaviour**

**Chair(s): Mirko Zanon**

*Presentations of the Symposium*

**Fiorella Del Popolo Cristaldi, Antonio Maffei, Gioia Bottesi, Nicola Cellini, Giovanni Mento, Leah Banellis, Micah G. Allen**; [fiorella.delpopolocristaldi@unipd.it](mailto:fiorella.delpopolocristaldi@unipd.it)

### **Neural and behavioural changes in the bodily self during pregnancy**

**Anna Crossland, Catherine Preston**; [anna.crossland@york.ac.uk](mailto:anna.crossland@york.ac.uk)

### **Affective and self-applied touch as modulators of bodily self-representation in relational and therapeutic contexts**

**Valentina Cazzato**; [valentina.cazzato@unime.it](mailto:valentina.cazzato@unime.it)

**S5-5: Social homeostasis: from social structure to physiological stability**  
Location: **Room 3**

### **Social homeostasis: from social structure to physiological stability**

**Chair(s): Shir Atzil, Giorgia Silani**

*Presentations of the Symposium*

### **Daily social isolation shapes reward processing and anhedonia-related behavior**

**Cristina Ottaviani, Valeria Gigli, Paula Castellano, Valerio Ghezzi, Martino Schettino, Yuen-Siang Ang, Diego Pizzagalli**; [cristina.ottaviani@uniroma1.it](mailto:cristina.ottaviani@uniroma1.it)

### **Social Predictors of Rewards Consumption during COVID-19 lockdowns**

**Ana Stijovic, Paul Forbes, Ekaterina Pronizius, Anja Feneberg, Giulio Piperno, Urs M. Nater, Claus Lamm, Giorgia Silani**; [ana.stijovic@univie.ac.at](mailto:ana.stijovic@univie.ac.at)

### **Shared physiological markers of pain in social dyads**

**Monia Cariola, Baptiste Maheo, Negar Tashakkori, Monique Smith, Fadel Zeidan, Christian Keysers, Valeria Gazzola**; [m.cariola@nin.knaw.nl](mailto:m.cariola@nin.knaw.nl)

### **Social physiology: human homeostasis is more efficient in social proximity**

**Monia Masalha, Matan Cohen, Maayan Aloni, Einav Toledo, Ella Stahl, Diane Shachar, Or Eliav, Shai Fuchs, Shir Atzil**; [monia.masalha@mail.huji.ac.il](mailto:monia.masalha@mail.huji.ac.il)

**S5-8: How do individual goals shape the processing of emotional stimuli and behavioral responses?**  
Location: **Acquario room**

### **How do individual goals shape the processing of emotional stimuli and behavioral responses?**

**Chair(s): Giovanni Mirabella, Cornelia Herbert**

### **Closed-loop microstimulation of primate prefrontal cortex causally modulates dynamic social attention**

**Siqi Fan, Olga Dal Monte, Amrita R Nair, Nicholas A Fagan, Steve WC Chang**; [sfan@rockefeller.edu](mailto:sfan@rockefeller.edu)

### **Testing the mutual prediction hypothesis in fNIRS hyperscanning**

**Antonia Hamilton, Ziyun Zhang**; [a.hamilton@ucl.ac.uk](mailto:a.hamilton@ucl.ac.uk)

### **Temporal dynamics of neural synchronization in naturalistic cooperative interactions**

**Olga dal Monte, Giulia Romano Cappi, Alessandro Mazza, Lucia De Francesco, Veronica Atzei, Paolo Raiano, Alessia Podo, John Gero**; [olga.dalmonete@unito.it](mailto:olga.dalmonete@unito.it)

**S5-6: Studying social interactions: from lab to real-life**  
Location: **Room 8B**

### **Studying social interactions: from lab to real-life**

**Chair(s): Anita Harrewijn**

*Presentations of the Symposium*

### **Social tasks in the lab: The influence of peer observation on error monitoring throughout adolescence**

**Anita Harrewijn, Yvette Grootjans, Ingmar Franken**; [harrewijn@essb.eur.nl](mailto:harrewijn@essb.eur.nl)

### **Interactions in the lab: effect of social closeness on inter-brain and motor synchrony**

**Laura Fornari**; [l.fornari@vu.nl](mailto:l.fornari@vu.nl)

### **Toward greater generalizability: Studying real-life (im)moral behaviors across diverse populations**

**Emilie Caspar**; [emilie.caspar@ugent.be](mailto:emilie.caspar@ugent.be)

### **From the lab to real-life and back: Neural mechanisms of attention in educational settings**

**Orel Levy, Elana Zion Golumbic**; [orelevy0512@gmail.com](mailto:orelevy0512@gmail.com)

### **Designing naturalistic studies: Participatory research for improving gender bias in autism detection**

**Pawel Matusz**; [pawel.matusz@hevs.ch](mailto:pawel.matusz@hevs.ch)

**S5-9: The neural chemistry of effort and control: computational, pharmacological and clinical perspectives.**  
Location: **Room 5**

### **The neural chemistry of effort and control: computational, pharmacological and clinical perspectives.**

**Chair(s): Eliana Vassena, Dennis Hernaus**

*Presentations of the Symposium*

**Roots of social behaviour:  
innate perception of faces and  
motion cues**

**Dmitry Kobylykov;**  
dmitry.kobylykov@unitn.it

**From Animacy to sociality:  
Sensitivity to interacting  
biological motion in visually  
naïve chicks**

**Anastasia Morandi Raikova;**  
a.morandiraikova@unitn.it

**Neural representations of real  
world places and societies**

**Saikat Ray;**  
saikat.ray@weizmann.ac.il

**Multidimensional analysis of a  
fear-like state in honeybees**

**David Baracchi;**  
david.baracchi@unifi.it

*Presentations of the Symposium*

**Task relevance determines  
whether facial emotion valence  
shapes behavior**

**Giovanni Mirabella;**  
giovanni.mirabella@unibs.it

**Goal-directed avoidance of social  
threat**

**Rocco Mennella;**  
rmennella@parisnanterre.fr

**Emotional attention revisited:  
multiplexed effects of value and  
goal on early sensory processing  
in the visual cortex**

**Gilles Pourtois;**  
Gilles.Pourtois@ugent.be

**Reconciling opposing effects of  
emotion on relational memory**

**Florin Dolcos;** fdolcos@illinois.edu

**Words as Catalysts: How words  
evoke emotions, self-relevance,  
agency, and ownership**

**Cornelia Herbert;** cornelia.herbert@uni-  
ulm.de

**The computational and neurochemical  
mechanisms of effort allocation and persistence**

**Eliana Vassena;** eliana.vassena@donders.ru.nl

**Dopaminergic and noradrenergic modulation of  
effort-based decision-making and response  
vigor in humans**

**Dennis Hernaus;**  
dennis.hernaus@maastrichtuniversity.nl

**Optimal control through meta-RL: a  
computational framework for cross-disease  
investigation in psychiatry**

**Massimo Silvetti;** massimo.silvetti@istc.cnr.it

**Impact of Cognitive Behavioral Group Therapy  
on effort-reward computations in adolescents  
with depression**

**Andrea Reiter;** andrea.reiter@uni-wuerzburg.de

**Disrupted metacognitive control of decision-  
making in compulsivity**

**Ruth Van Holst, Laura De Laere;**  
r.j.vanholst@amsterdamumc.nl

**8:00pm** Conference Dinner  
- Location: **La Limonaia**  
**11:30pm**



**Date: Saturday, 06/June/2026**

**8:30am** Registration  
Location: **Registration Desk and Secretariat**

-

**4:00pm**

**9:00am** **Keynote Lecture 3: Ewelina Knapska: Emotional echoes: how the brain uses others' emotions to guide adaptive behavior**  
Location: **Tarantelli Room**  
Chair: **Matteo Candidi**

-

**10:00am**

**10:00am** **Coffee Break**  
Location: **Catering Areas**

-

**10:30am**

**10:30am**

-

**12:00pm**

**O3-6: Social Cognition**

Location: **Room 6A**

Chair: **Marina Scattolin**

Chair: **Lorenzo Silla**

**Too close? How conversational context and social anxiety shape dynamic coordination of social behavior in naturalistic dyadic interaction**

**Sabrina Gado**, Lucas Haraped, Matthias Gamer, **Alan Kingstone**

**O3-7: Interpersonal Synchrony**

Location: **Room 6B**

Chair: **Hajar Al-Naqshbandi**

Chair: **Valerio Placidi**

**Computational insights on interbrain synchrony from biophysically constrained Kuramoto models**

**Federico Cassioli**, Daniele Marinazzo, Rudi De Raedt, Clay B. Holroyd

**S6-1: Multimodal coordination in naturalistic dyadic social interactions**  
Location: **Room 8B**

**Multimodal coordination in naturalistic dyadic social interactions**

Chair(s): **Magdalena Matyjek**, **Antonia Hamilton**

*Presentations of the Symposium*

**Comprehensive assessment of social cognition in Parkinson's disease: the distinct roles of cognitive and motor status**

**Marie Jacques**, Coline Zigrand, Marina Brillon-Corbeil, Catherine Gourlay, Martine Desjardins, Peter B. Scherzer, Jean-François Gagnon

**Are we really synchronous? Multiverse-Based Validation of Windowed Cross-Correlation Parameter Space with Synthetic and Human Cardiac Dyadic Data**

**Federico Rossano**, Valerio Placidi, Vanessa Era, Matteo Candidi, Salvatore Maria Aglioti, Sarah Boukarras

**Using embodied social neuroscience to understand mechanisms of interactive social learning**

**Antonia Hamilton**; a.hamilton@ucl.ac.uk

**Coordinating conversation with the face**

**Judith Holler**; Judith.Holler@mpi.nl

**What makes us "click"? Predicting rapport in neurodiverse online interactions**

**Magdalena Matyjek**; magdalena.matyjek@upf.edu

**Individual differences in conversation: Insights from autism and non-native speakers**

**Simon Wehrle**; simon.wehrle@uni-koeln.de

**Neurocomputational mechanisms of social threat avoidance under distinct sources of uncertainty**

**Matteo Sequestro**, Enora Le Verge, Rocco Mennella, Julie Grezes

**The multimodal propagation of smiles in free social interactions**

**Pablo Arias-Sarah**

**Selective amplification of emotional-affective representations during observed touch in individuals with high vicarious touch propensity**

**Sophie Smit**, Almudena Ramirez Haro, Genevieve L. Quek, Manuel Varlet, Denise Moerel, Tjil Grootswagers

**Audience gaze reflects felt social connection with individual performers in live dance.**

**Albane Arthuis**, Sonia Abad-Hernando, Anastasia Kokkinou, Mirko Febbo, Laura A. Rai, Haeun Lee, Matthias Sperling, Jamie A. Ward, Daniel C. Richardson, Guido Orgs

**Early neural attunement to peer status predicts future social network position and popularity in adolescents**

**Won-Gyo Shin**, Kiho Sung, Junho Bang, Sunhae Sul, **Yoosik Youm**, Carolyn Parkinson

**EEG of the dancing brain: Decoding sensory, motor, and social processes during dyadic dance**

**Félix Bigand**, Roberta Bianco, Sara F. Abalde, Trinh Nguyen, Giacomo Novembre

**S6-2: Moral behaviour: from social learning to real-life decision-making**  
Location: **Room 5**

**S6-3: Peripersonal and interpersonal spaces of interaction: from individual sensorimotor control to social**

**S6-4: Artificial emotion: affective responses and interaction with artificial intelligence**  
Location: **Room 3**



**Moral behaviour: from social learning to real-life decision-making**

*Chair(s):* Judit Campdepadrós Barrios

*Presentations of the Symposium*

**In Amygdala we trust: How the amygdala influences trust learning**

Ronald Sladky, Claus Lamm;  
ronald.sladky@univie.ac.at

**A distributed fMRI-based signature of graded moral wrongness in the human brain**

Frederic Hopp, Sungbin Youk, Walter Sinnott-Armstrong, René Weber;  
fhopp@leibniz-psychology.org

**From isolation to interaction: rethinking moral decision in real-life social contexts**

Eva Vives, Emilie Caspar;  
Eva.Vives@UGent.be

**Multiple motivations in moral choice: a decision neuroscience approach**

Alan G. Sanfey, Sarah Vahed, Elijah P. Galvan;  
alan.sanfey@donders.ru.nl

**How external goals shape prosocial learning under moral conflict**

Judit Campdepadrós Barrios, Jiamiao Yang, Joelle Simon, Christian Keysers, Valeria Gazzola;  
j.campdepados@nin.knaw.nl

**S6-5: Identifying the unifying principles governing endogenous opioid regulation of human behaviour**

*Location:* Tarantelli Room

**Identifying the unifying principles governing endogenous opioid regulation of human behaviour**

*Chair(s):* Siri Leknes

*Presentations of the Symposium*

**Facts and myths about how opioids shape human behaviour, an introduction**

Siri Leknes; sirileknes@gmail.com

**Endocannabinoid and endogenous opioid contributions to placebo hypoalgesia**

Massieh Moayedi;  
m.moayedi@utoronto.ca

**interaction dynamics**

*Location:* Acquario room

**Peripersonal and interpersonal spaces of interaction: from individual sensorimotor control to social interaction dynamics**

*Chair(s):* Chiara Fini, Dimitris Bolis

*Presentations of the Symposium*

**Nearby in the dark: multisensory coding of objects permanence in peripersonal space during navigation**

Bahmad Salam, Fadila Hadj-bouziane, Marine Vernet, Maria Paola Paladino, Clement Desoche, Frederique De Vignemont, Alessandro Farnè, Claudio Brozzoli; salam.bahmad@inserm.fr

**Neural dynamics of integrating space and ownership information during object processing**

Lucie Lenglar, Clemence Roger, Adriana Sampaio, Yann Coello;  
lucie.lenglar@ki.se

**Embodied process, interoceptive activation, and interpersonal dynamics in online vocal conversations across levels of abstractness and age groups**

Chiara Fini, Anna M. Borghi, Giovanna Cuomo, Antonio Pio Afragola, Ilenia Falcinelli, Manuel Mello, Sarah Boukarras, Matteo Candidi, Vanessa Era; chiara.fini@uniroma1.it

**Attuned minds: how reciprocity, cooperation, and friendship shape real-time social interaction**

Dimitris Bolis, Juha M. Lahnakoski, Takahiko Koike, Jeanete Tamm, Daniela Seidel, Julia Folz, Beril N. Can, Michael V. Lombardo, Norihiro Sadato, Nace Mikus, Leonhard Schilbach;  
dimitrios.bolis@iit.it

**S6-6: From bodily signals to emotional meaning and social understanding**

*Location:* Room 9A

**From bodily signals to emotional meaning and social understanding**

*Chair(s):* Giada Lettieri

*Presentations of the Symposium*

**From heartbeats to breathing: linking individual differences in interoception to social and spatial cognition**

Liana Palermo; liana.palermo@unicz.it

**One step closer to my heart: cardiac cycle is coupled with footsteps in typical but not in Depersonalisation individuals**

Anna Ciaunica; a.ciaunica@ucl.ac.uk

**Artificial emotion: affective responses and interaction with artificial intelligence**

*Chair(s):* Marco Sperduti, Dominique Makowski

*Presentations of the Symposium*

**The effect of AI-beliefs and personality on the appraisal of evolutionary salient stimuli**

Ana Neves, Dominique Makowski;  
a.neves@sussex.ac.uk

**Cognitive and neural mechanisms underlying the bias toward AI in aesthetic experience**

Giulia Torromino, Manuel Focareta, Salvatore Gaetano Chiarella, Dionigi Mattia Gagliardi;  
giulia.torromino@uniroma1.it

**From disclosure to cooperation: Mapping the boundaries of affective engagement with social robots**

Emily S. Cross; ecross@ethz.ch

**Social engagement with artificial agents: Multimodal physiological and neural signatures of natural interaction**

Thierry Chaminade;  
thierry.chaminade@univ-amu.fr

**S6-7: The neuroscience of real-world social dynamics of strangers, friends, and families**

*Location:* Room 8A

**The neuroscience of real-world social dynamics of strangers, friends, and families**

*Chair(s):* Ruud Hortensius

*Presentations of the Symposium*

**Affect during Social Interactions in Infancy**

Milica Nikolic, Christopher Riddell;  
M.Nikolic@uva.nl

**Where is the synchrony? a multiverse test of mother-child physiological coupling**

Bart Boets, Georgios Rousis, Lisa Gistelink, Ward Deferm, Rowena Van

**The impact of opioids on curiosity and information seeking: the case of music enjoyment**

**Antoni Rodriguez-Fornells;**  
arforne1ls@gmail.com

**The neurochemical basis of social connectedness**

**Guro Løseth;** g.e.loseth@psykologi.uio.no

**How interoceptive signals shape emotional meaning during aesthetic chills**

**Giada Lettieri;** giada.lettieri@imtlucca.it

**Communicating and recognising emotion by hand**

**Matthew Longo;** m.longo@bbk.ac.uk

**den Broeck, Bieke Bollen, Els Ortibus, Sam Wass, Gunnar Naulaers, Maarten De Vos;** bart.boets@kuleuven.be

**Using neurocognition-at-home to understand social dynamics of families**

**Ronja F. Held, Ann L.M.P. Hogenhuis, Aline Moore Lorusso, Esther S. Kluwer, Ruud Hortensius;** r.f.held@uu.nl

**The Empathy Factory: a community science social biofeedback initiative to study multigenerational communication**

**Suzanne Dikker;** sdikker@gmail.com

**12:00pm**  
-  
**1:00pm**  
**1:00pm**  
-  
**3:00pm**

**GA: ESCAN General Assembly**  
Location: **Tarantelli Room**

**Lunch Break**  
Location: **Catering Areas**

**P3: Poster session**  
Location: **Poster Area**

See all panel numbers of posters at <https://escan2026.eu/wp-content/uploads/2026/06/ESCAN2026-Posters-sessions-with-panel-numbers-1-june.pdf>

**Do bilateral saccadic eye movements enhance memory retrieval of emotion-related words?**

**Nadia Alahyane,** Lotfi Crépin, Valentina La Corte

**FOCAL tDCS TO THE LEFT DLPFC IMPROVES SOCIAL BELIEF UPDATING IN INDIVIDUALS WITH SOCIAL ANXIETY**

**Manal Almugathwi,** Reut Zabag, Sukhi Shergill, Andrew K. Martin

**The answer is blowin' in the brain: early oscillatory dynamics of moral decision-making**

**Alana Arrouet,** Steven Laureys, Roxane Hoyer

**I see you! Performer gaze conveys levels of acting during live performances**

**Albane Arthuis,** Leyi Yao, Daniel C. Richardson, Guido Orgs

**The music of the skin: An objective quantification of the sounds produced by skins' hydration**

**Malika Auvray,** Alexandra De Lagarde, Sabine Levy-Arditti

**Altered affective–attentional coupling in social touch perception after amputation**

Ionela Bara, Gianluca Sietta, David Crevillén, Cosimo Gentile, Emanuele Gruppioni, Emily S. Cross

**Rhythm drives early auditory processing: evidence from an event-related potential study**

Marco Barbaresi, Davide Nardo, Moreno Coco, Sabrina Fagioli

**Impact of incidental anxiety and inter-individual strategies on Visuo-Spatial Perspective-Taking**

Morgan Beurenaut, Linnea Cadogan, Aloïs Besnault, Margaux Romand-Monnier, François Quesque

**Robust circular cluster-based statistics for respiration-brain coupling**

Teresa Berther, Elio Balestrieri, Martina Saltafossi, Laura Bock Paulsen, Lau Møller Andersen, Daniel S. Kluger

**Magnetoencephalographic mapping of cross-modal fear conditioning and generalization**

Riccardo Bianco, Alejandro Espino, Joachim Gross, Markus Junghoefer

**Multisensory reciprocity: Dissociating visual and auditory pathways to interpersonal coordination**

Dimitris Bolis, Sara F. Abalde, Oscar J. Lega, Giulia Failo, Sara Danieli, Maria Facchini, Giacomo Novembre, Michael V. Lombardo

**Probing the relationship between midfrontal theta oscillations and autonomic responses to errors and conflict during the Flanker task**

Sarah Boukarras, Gabriele Fusco, Valerio Placidi, Salvatore Maria Aglioti

**Awareness of developmental prosopagnosia counters the negative effects of facenormativity**  
Edwin James Burns, Emmanuel Ale, Haojiang Ying

**Sentience-like processes are revealed in low arousal by employing interoceptive stimulation**

Paradeisios Boulakis, Daphne Chylinski, Matthieu Koroma, Sepehr Mortaheb, Marion Balla, Stefania Zoi, Murielle Kirsch, Marie Detroz, Cecile Staquet, Veronique Pacolet, Floris Wuyts, Vincent Bonhomme, Athena Demertzi

**Periodic and aperiodic electroencephalographic markers in Lewy body and Alzheimer's diseases with cognitive decline**

Matteo Carpi, Antonio Pio Afragola, Mina De Bartolo, Susanna Lopez, Burcu Bölükbaş, Claudio Del Percio, Veronica Henao Isaza, Roberta Lizio, Giuseppe Noce, Bahar Güntekin, Görsev Yener, John Paul Taylor, Claudio Babiloni

**Interoceptive integration modulates body representations in anorexia nervosa**

Rita Castilho Lima, Gabriele Vercelli, Luca Provenzano, Ilaria Bufalari

**Schizotypal traits are associated with affective sound evaluation and increased thalamo-amygdala structural connectivity**

Mara Cean, Debora Lombardo, Emmanouela Kosteletou-Kassotaki, Martina Trisia Cinca-Tomás, Despoina Kartsaki, Judith Domínguez-Borràs

**Independent effects of cardiac phase and spatial attention on early visual processing in humans**

Kamela Cenka, Maximilien Van Migem, Alessio Avenanti, Gilles Pourtois

**Enhancing imagery rescripting for pathological guilt and disgust through non-invasive**

**neuromodulation: a  
transdiagnostic study protocol**

Maria Chelaru, Giulio Piperno,  
Alessandra Mancini, Mara Ceccon,  
Alessandro Iannone, Francesco  
Mancini, Maria Serena Panasiti

**Encoding others' attention as an  
implied motion signal: A novel  
mechanism underlying implicit and  
explicit theory of mind (ToM)**

Patricia Christian, Maryam N Shahin,  
Zane E Zook, Kelly L Collins, Arvid  
Guterstam

**Deep-body correlates of gut  
feelings: gastric activity during  
emotional experience**

Sofia Ciccarone, Giuseppina Porciello,  
Arianna Vecchio, Vanessa Era, Quentin  
Moreau, Maria Serena Panasiti,  
Salvatore Maria Aglioti

**Neuromodulation of visceral  
signals and interoceptive neural  
representations: a systematic  
review**

Martina Ciliberti, Linda Riu, Giovanna  
Cuomo, Gabriele Fusco, Martina  
Fusaro, Sarah Boukarras, Salvatore  
Maria Aglioti, Giuseppina Porciello,  
Vanessa Era

**Inside and out: how tactile  
stimulation and Heart Rate  
Variability impact autobiographical  
memory retrieval**

Gianmarco Convertino, Mara Stockner,  
Giuliana Mazzoni

**The influence of cardiac changes  
on error awareness and decision  
confidence in a perceptual  
judgment task**

Hanne Daenen, Catherine Culot, Wim  
Gevers, Wim Notebaert

**START project: temporal dynamics  
of cognitive–motor integration  
under dual-task conditions in  
neurological populations**

Daniela De Bartolo, Liliana Baleca,  
Michela Pirolli, Ugo Nocentini,  
Domenico De Angelis, Marco Iosa

**Effects of Zen meditation on inhibitory control: An Electroencephalography study with experienced meditators and non-meditators**

Anna De Chino, Carlotta Maiocchi, Tormen Francesco, Mascarello Chiara, Serra Carlo, Mattavelli Giulia

**Confidence updating of visual information gathering in difficult and costly situations**

Laura De Laere, Pascal Mamassian, Ruth J. van Holst

**"Can we Prime Disobedience?"**

Louise De Meulenaer, Emilie Caspar

**The role of arousal and attentional narrowing in emotional memory trade-offs: links with individual differences**

Yulia Chernyshkova, Haniyeh Nematollahi, Klara Kovarski, Charline Urbain

**Perceptual audiovisual inference in interpersonal motor contexts**

Michela De Ventura, Ugo Giulio Pesci, Uta Noppeney, Matteo Candidi

**The plasticity of interoceptive grounding: how pregnancy modulates conceptual knowledge**

Salvatore Manuel Diana, Anna Maria Borghi, Stefania Ciocca, Marta Falco, Giuseppina Porciello, Laura Barca

**Respect my space: investigating interpersonal space and multisensory integration with autistic and social anxiety traits using fNIRS.**

Laura May Dodd, Maria Laura Filippetti, Silvia Rigato

**Socioeconomic influences on vicarious reward processing across adolescence**

Lonneke Elzinga, Nienke van Atteveldt, Eveline Crone, Anna van Duijvenvoorde

**Social touch as an observer: Somatosensory processing during vicarious social touch perception**

Hanan Ez-zahraoui, Bettina Forster, Louise Kirsch

**Co-developing a novel computational modelling peer-feedback task for adolescent using Patient and Public Involvement**

Catarina Fagundes, Carolina Miranda, Marlene Nogueira, Carla Martins, Jacqueline Scholl, Liliana Capitão

**An investigation of the somatosensory engagement during autonomous sensory meridian response: An ERP study**

Marisa Fernandes Soares, Natalie Assaf, Flavia Cardini

**Altered modulation of body perception and affect through movement sonification in individuals with depressive symptoms**

Inés Fernández Vallejo, Jorge López Castroman, Bigna Lenggenhager, María de las Mercedes Borda Mas, María Luisa Avargues Navarro, Adrián Alacreu Crespo, Frederic Bevilacqua, Ana Tajadura-Jiménez

**Do gender stereotypes shape emotion? Evidence from self-report and autonomic measures**

Gaia Carlotta Fiamberti, Giada Lettieri

**Dissociating multisensory binding from socio-affective appraisal in a virtual kissing paradigm**

Martina Fusaro, Matteo Lisi, Anna Giometti, Salvatore Maria Aglioti

**When other minds reshape agency perception: selective social updating of chasing judgments**  
Rebecca Geiselmann, Lasana Harris, Ophelia Deroy

**Enhancing Performance Monitoring abilities in Parkinson's Disease through transcranial alternating current stimulation**  
Elena Gessa, Angela Marotta, Bernardo Villa-Sánchez, Ilaria Antonella Di Vico, Sarah Boukarras, Giulia Mattavelli, Michele Tinazzi, Mirta Fiorio, Salvatore Maria Aglioti, Vanessa Era, Gabriele Fusco

**Sleep electroencephalography biomarkers as trait indicators across psychiatric disorders: A Systematic Review and Meta-Analysis**  
Sara Ghiasi, Philipp Ritter

**Neural correlates of rule-following**  
Johanna Andernach, Dominik Suri, Sara Gorgzadeh, Simon Gächter, Sebastian Kube, Johannes Schultz

**Enhancing motivational drive: effects of transcutaneous auricular vagus nerve stimulation on reward-based behavior**  
Rachele Grimaldi, Ezgi Uzun, Martino Schettino, Diego A. Pizzagalli, Micheal T. Treadway, Cristina Ottaviani

**Modulation of auditory-sensorimotor brain connectivity in Autism Spectrum Disorder through music-based intervention: A crossover RCT**  
Alexander Groessing, Asena Umay Kocan, Marianna Ruiz Loria, Maayan Salomon-Gimmon, Maj-Britt Posserud, Giorgia Silani, Gold Christian, Specht Karsten

**Dogs are not for Eating: Attributing Affective Abilities to Animals**  
Catherine-Noémie Alexandrina Guran



**Embodied attunement: Affective touch and inter-brain synchrony in mother-infant dyads**

Maria Juliana Gutierrez Camperos,  
Rogerio de Oliveira, Camila Fragoso  
Ribeiro, Marcela de Mello Bispo Borges,  
Isabella Germinhasi Francischelli,  
Valentina Franco Gomes, Maria  
Eduarda Marsola Eloyes, Isis Angelica  
Segura, Rickson Coelho Mesquita, Ana  
Alexandra Caldas Osorio

**Do negative Expectations become biologically embedded?  
Investigating CRP DNA methylation in Major Depressive Disorder**

Gina L. Haccou, Paula L. Usemann,  
Feodora M. Neuhaus, Friederike S.  
David, Markus M. Nöthen, Andreas J.  
Forstner, Frederike Stein, Florian  
Thomas-Odenthal, Lea Teutenberg,  
Tiana Borgers, Kira Flinkenflügel,  
Elisabeth J. Leehr, Susanne Meinert,  
Tim Hahn, Hamidreza Jamalabadi,  
Andreas Jansen, Igor Nenadić, Udo  
Dannlowski, Tilo Kircher, Nina  
Alexander, Benjamin Straube

**Dynamic action-based markers in immersive XR for computational phenotyping in precision psychiatry**

Mariem Hafsia, Rémy Ramadour,  
Guillaume Dumas

**Effect of asymmetric noise on interpersonal coordination dynamics during verbal interactions**

Hanlu He, Mario Medoni, Axel Ahrens,  
Ivana Konvalinka

**Neurocognition under acute stress: the relative contribution of dopamine and noradrenaline to the shift from contextual to stimulus-response memory**

Emma Heling, Tim Vriens, Elizabeth  
Goldfarb, Eliana Vassena, Erno  
Hermans

**Observational learning in humans and artificial agents: A mouse-tracking study**

Eitan Hemed, Ashwin M. James, Marcel  
Brass, Verena V. Hafner, Julia M.  
Rodríguez Buritica

**Exploring Mindless and Mindful Reactions to Robots in EEG**

Evelien Heyselaar

**Thermoregulation and mental health in Parkinson's Disease: uncovering an under-explored connection**

Israt Hossain, Francescopaolo Cucinotta, Francesca Morgante, Laura Crucianelli, Lucia Ricciardi

**Neuromodulating moral emotions: the effect of tDCS on disgust, morality and their physiological underpinnings**

Alessandro Iannone, Giulio Piperno, Maria Chelaru, Verdiana Fantini, Viola Oldrati, Alessandra Finisguerra, Maria Serena Panasiti

**A novel virtual environment rt-fMRI neurofeedback paradigm to improve resilience and well-being**

Camellia N. Ibrahim, Jana Zweerings, Halim I. Baqapuri, Souad Ramadan, Tengfei Feng, Klaus Mathiak

**Learning and Decision-Making in a Social World: A Scoping Review of Social Influences in Reinforcement Learning**

Michaela Imhof, Tim Ziermans, Jaap Murre, Karin Førde

**Gravity-dependent modulation of time perception: behavioural and computational evidence**

Amir Jahanian Najafabadi, Denise Cedate, Elisa Raffaella Ferrè, Matthew R Longo, Christoph Kayser

**Beyond morphing: photorealistic graded facial expressions using Facial Action Coding and GANs**

Valentina Jelincic, Andreas von Leupoldt, Jonas Zaman

Neural and autonomic signatures of emotion recognition under varying expressive intentions  
Liina Juuse

Comparing the Self and Co-Regulation in low and high stakes moments in Autistic and Neurotypical Child-Caregiver Dyads.

Grzegorz Iwo Kaliński, Aleksandra Kołakowska, Julia Słowicka, Aleksandra Hamny, Jan Łabędź, Alicja Niedźwiecka, Jarosław Żygierewicz, Julia Zaborowska, Agnieszka Pluta, Julia Adamczyk

Is social cognition structurally coherent? Empirical comparison of competing theoretical models

Eline Klemm

Do dyads synchronize or are we just imagining it? Novel pipeline for dyadic movement analysis

Aleksandra Kołakowska, Julia Słowicka, Grzegorz Kaliński, Aleksandra Hamny, Jarosław Żygierewicz, Agnieszka Pluta

The subjective cost of cognitive flexibility

Martin Kolnes, Annika Jøemagi, Andero Uusberg

The psychometric structure and neuromodulation of inhibitory control functions

Uroš Konstantinović, Marija Stanković, Dunja Paunović, Bojana Đukić, Jovana Bjekić, Danka Purić, Saša R Filipović

Interpersonal neural synchrony analysis for fNIRS: A signal processing perspective

Katarina Lodrant, Dimitri Van De Ville, Frank Scharnowski, Kathrin Kostorz

Emotional Egocentricity Bias is modulated by implicit expectations

**of interpersonal emotional contingencies**

Vassilis Kotsaris, Ruben Azevedo, Dimitris Bolis

**How prison settings impact empathy for pain: An EEG study**

Elodie Kox, Emilie Caspar

**A double-blinded real-time fMRI neurofeedback study of supplementary motor-cortex modulation in healthy controls and patients with major depressive disorder**

Sophie Kühne, Tengei Feng, Camellia N. Ibrahim, Halim I. Baqapuri, Felix Stöhr, Klaus Mathiak, Jana Zweerings

**Comparison of visual P300 event-related potentials: cognitive impairment due to Parkinson's disease and prodromal dementia with Lewy Bodies**

Hilal Kula, Ömer Sönmez, İlayda Kıyı, Rumeysa Emir, Didem Öz, Berril Dönmez Çolakoğlu, Raif Çakmur, İbrahim Öztura, Görsev Yener

**Functional neuroimaging evidence supports norm-based coding of human-like timing in artificial speech**

Gard Kvammen Beinnes, Arthur Pineaud, Amira Addani, Pascal Belin, Emma Roderio, Thierry Chaminade

**Exploration of the link between attentional bias, interoception, and autonomic reactivity in the general population: a planned study**

Alice Lagacy, Odile Viltart, Lucas De Zorzi

**Decoding deep sampled brains: high-accuracy binary emotion classification from audiovisual stimuli**

Niklas Leitner, Amirhossein Manzouri, Rita Almeida, Kristoffer Månsson, Petri Laukka, Mats Nilsson, Håkan Fischer

**Letting thoughts go: Cognitive mechanisms in rumination**

Tomasz Lemmen, Kris Baetens,  
Natacha Deroost

**The Impact of Affective Appraisals on the Desire to Eat**

Shiran Levy Neri, Noam Weinbach,  
Noga Cohen

**How empathy beliefs shape intergroup relations via empathy regulation strategies**

Yufang Liao, Giorgia Silani, Claus Lamm

**How do acoustic features predict somatosensory and emotional responses in ASMR and misophonia?**

Sarah Liu, Ilana Harris, Kennedy Walsh,  
Madison Chinich, Matilde Bauer,  
Marcus Pearce, Sophie Scott

**Subcortical thalamo-amygdala structural connectivity predicts sensitivity to temporal acoustic modulation during aversive sound perception**

Debora Lombardo, Mara Cean,  
Emmanouela Kosteletou-Kassotaki,  
Martina Trisia Cinca-Tomás, Despoina  
Kartsaki, Judith Domínguez-Borràs

**Older adults with subjective memory complaints and brain amyloidosis show stable electroencephalographic rhythms, cortical structure, and cognition over 2 years**

Susanna Lopez, Harald Hampel,  
Claudio Del Percio, Roberta Lizio,  
Giuseppe Noce, Stefan Teipel, Fabrizio  
Stocchi, Raffaele Ferri, Matteo Pardini,  
Claudio Babiloni

**Neural correlates of implicit sustainability attitudes in a modified stroop task**

Aurora Manini, Letizia Richelli,  
Elisabetta Fasiello, Nicola Canessa

**Measuring prosocial behaviour: the roles of empathy, morality and social reward**

Andreia Santiago, Nuno Gomes, Miguel Benrós, Jorge Martins, Louise Ewing, Marie Smith, Inês Mares

**When others move differently: alpha-band sensory gating and conflict-monitoring networks track kinematic dissimilarity**

Camilla Maronati, Francesca Patarini, Jordi Manuella, Luigi Felice Cuturi, Melissa Monti, Elisabetta Ferrari, Igor Iarrobino, Cristina Iani, Sandro Rubichi, Angela Ciaramidaro, Laura Astolfi, Jlenia Toppi, Andrea Cavallo

**Early neural differentiation of visual task-irrelevant alcohol content is associated with subjective craving levels in severe alcohol use disorder**

Helen Tobback, Geert Dom, Marianne Destoop, Tanja Endrass, Raoul Wüllhorst, Salvatore Campanella, Manon Saeys, Natacha Deroost, Kris Baetens

**Noisy galvanic vestibular stimulation impairs source and reality monitoring**

Chloe Bates, Maria Gallagher, Andrew K. Martin

**Emotional response and regulation in BD, TUD and their comorbidity: a fear conditioning study**

Elisa Martini, Alex Wong, Pierre Maurage, Matthias Wieser

**Automatic imitation and interoceptive processes.**

Giorgia Mason, Francesco Marra, Giovanna Cuomo, Alejandro Galvez-Pol, Arran T Reader, Vanessa Era

**Contextual cues shape facial emotion recognition: a combined behavioral and ERP study**

Mónica Toro, Cristian Cortés, Francisco Ceric, Juan Carlos Oliveros

**Effects of repetitive negative thinking on neural and behavioral correlates of anhedonia in depressive symptomatology**

Arianna Mastrocesare, Martino Schettino, Daniele Bomarsi, Ilenia Ceccarelli, Yuen Siang Ang, Diego A. Pizzagalli, Cristina Ottaviani, Sabrina Fagioli

**Does eco-anxiety disrupt cognitive control? Neurophysiological insights into behavioral adaptation in the context of climate crisis.**

Marie Mathé, Fanny Grisetto, Clémence Roger

**Electric field modelling of the insular cortex in DLPFC-Targeted rTMS for depression**

Nahanni Musiani, Elizabeth Gregory, Annika MacKenzie, Fidel Vila-Rodriguez

**Effects of autistic and alexithymic traits on neural responses to emotional faces**

Nadia Nawi, Edwin Burns, Nicola Van Rijsbergen

**Dissociable neural pathways for accuracy and confidence in emotion discrimination**

Claudio Nazzi, Sonia Turrini, Simone Battaglia, Alessio Avenanti

**Trauma under psychedelics: How peritraumatic substance use during the Oct 7 attacks shaped posttraumatic affective and social responses**

Ophir Netzer, Noa Magal, Yonatan Stern, Tzuk Polinsky, Raz Gross, Roee Admon, Roy Salomon

**Expecting the worst: the brain's costs of dysfunctional expectations**

Feodora Margaretha Neuhaus, Tina Meller, Frederike Stein, Florian Thomas-Odenthal, Lea Teutenberg, Paula Usemann, Kira Flinkenflügel, Elisabeth J. Leehr, Tiana Borgers, Susanne

Meinert, Tim Hahn, Hamidreza  
Jamalabadi, Nina Alexander, Benjamin  
Straube, Andreas Jansen, Udo  
Dannlowski, Tilo Kircher, Igor Nenadić

**Multidimensional representations  
of dynamic facial expressions in  
the right superior temporal sulcus**  
Hilal Nizamoglu-Caliskan, Katharina  
Dobs

**A novel measure to high-order  
functional connectivity: application  
in Autism reveals imbalance  
between redundancy and synergy**  
Marlis Ontivero Ortega, Javier Rasero,  
Antonio Jimenez-Marin, Jesus Cortes,  
Luca Faes, Daniele Marinazzo,  
Sebastiano Stramaglia

**Stress reactivity in Virtual  
Scenarios is differentially  
modulated following a Mindfulness  
vs a Cognitive training: Cardiac,  
Gastric, and Interoceptive markers**  
Eleonora Parrotta, Vanessa Era, Maria  
Serena Panasiti, Maria Chelaru,  
Cristiano Crescentini, Alessio Matiz,  
Salvatore Maria Aglioti, Giuseppina  
Porciello

**Delusion-like thinking is associated  
with lower individual alpha peak  
frequency**  
Anna Pasini, Luca Tarasi, Domenico  
Romanazzi, Vincenzo Romei

**ACT2: Exploring kinematic profiles  
in autism**  
Andrea Passeri, Elisabetta Ferrari,  
Camilla Maronati, Melissa Monti, Giulia  
Ferrazzi, Igor Iarrobino, Jordi Manuella,  
Francesca Patarini, Benedetta Gambosi,  
Emiliano Trimarco, Giulia Blandolino,  
Christian Buda, Greta Rinaldini,  
Eugenio Scaliti, Virginia Giuberti,  
Cristina Iani, Sandro Rubichi, Jlenia  
Toppi, Laura Astolfi, Angela  
Ciaramidaro, Andrea Cavallo

**Behavioral and cortical  
characterization of Moral Decision-  
Making: evidence from a  
multimodal approach**



Maria Concetta Pellicciari, Simone  
Migliore, Sofia Lapis, Veronica Cancian,  
Giuseppe Curcio, Marco Costanzi

**Competing to Win, Collaborating to  
Explore: Strategic versus  
Exploratory Risk-Taking in Human-  
Robot Interaction**

Katharina Wille, Eva Wiese, Jairo Perez-  
Osorio

**Effects of oxytocin in brain activity  
during naturalistic social-affective  
processing**

Miguel Pina da Silva, Vasco Sá Diogo,  
Valeria Gazzola, Christian Keysers,  
Diana Prata

**Closing the loop: developing  
adaptive biofeedback systems for  
stress management in Virtual  
Reality**

Alessia Podo, Simone Tarditi, Lucia De  
Francesco, Alessandro Mazza, Marine  
Capallera, Robin Cherix, Lorenzo Pia,  
Elena Mugellini, Olga Dal Monte

**Using virtual reality to explore  
children's empathy: Combining  
emotional self-report and heart-rate  
as physiological indicator of  
cognitive and affective empathy**

Isabella Pollak, Katharina A.M. Stiehl,  
Barbara Schober, Kerstin Angelika  
Zechner, Christian Wiesner, Giorgia  
Silani

**State-dependent changes in Gut-  
Brain coupling: Mapping gastric  
sensations before and after a meal**

Giuseppina Porciello, Quentin Moreau,  
Vanessa Era, Alessandro Iannone, Sofia  
Ciccarone, Arianna Vecchio, Maria  
Serena Panasiti, Salvatore Maria Aglioti

**Lone actor terrorism revisited:  
Comparative predictors and  
ideological heterogeneity in the  
United States**

Anna Knorr, Nikita Podolin-Danner,  
Laura Prislei, Malgorzata Kossowska,  
Gary LaFree

**Reducing the harmful effects of stress on decision-making: effects of non-invasive electrical brain stimulation**

Alexandre Pouchot, Margaux Pourady, Andrea Desantis, Sébastien Scannella, Stefania Ficarella

**Changing the experienced past and expected future: the role of executive abilities and depressive symptoms in counterfactual thinking**

Amber Pryke, Elif Divanoglu, Andrew K Martin

**The Relationship between subjective Quality of Sleep, cognitive Performance, and structural MRI in Major Depressive Disorder**

Lena Marie Puder, Ida Wessing, Jules Schneider, Sara Ghiasi, Omid Abbasi, Philipp Ritter, Joachim Gross

**Face identity recognition ability stratifies the neural dynamics of familiar and unfamiliar face processing in autism**

Daniel Pumo, Ugo Pesci, Saskia Fohs, Katharina Dobs, Ilaria Minio-Paluello

**Cross-task computational phenotyping of motivation predicts daily-life affect**

Rares Radulescu, Tim Vriens, Nonna Panagouloupoulou, Bilge Uysal, Erno Hermans, Massimo Silvetti, Eliana Vassena

**How do social contexts influence audience engagement**

Robin Yuechen Ren, Lydia Reed, Liuke Shi, Joseph Devlin, Daniel Richardson

**Modulating interoception through brain stimulation: a systematic review of invasive and non-invasive approaches**

Linda Riu, Martina Ciliberti, Giovanna Cuomo, Sarah Boukarras, Martina Fusaro, Gabriele Fusco, Salvatore Maria Aglioti, Giuseppina Porciello, Vanessa Era

**Can musical training protect cognitive function in later life?**

Marlene Nogueira, Ana Rodrigues, Laura Ramón, Antonio Ellacuriaga, Adriana Sampaio

**Be-Flex: Neurobehavioral correlates of cognitive flexibility**

Domenico Romanazzi, Luca Tarasi, Anna Pasini, Vincenzo Romei

**A naturalistic multimodal observation of lifestyle modulation of temporal stress persistence in day and night shift workers**

Flaminia Ronca, Mario Graca Ribeiro, Terun Desai, Nathan Green

**Heider and Simmel revisited: the grammar of nonverbal trust in borderline personality disorder**

Federico Mancinelli, Tobias Nolte, Julia Griem, Read Montague, Peter Fonagy, Christoph Mathys

**Practice makes cohesion: longitudinal multi-brain EEG study in a newly formed musical ensemble**

Thiago Roque, Grace Leslie

**Interacting with a robotic wheelchair: Associations with subjective embodiment and body representation**

Cristina Russo, Giovanni Ottoboni, Alessia Tessari

**Psychophysiological and subjective correlates of cognitive load during arithmetic and reading tasks**

Elena Rybina, Timofei Berezner, Nikita Klimenkov, Daria Philippova, Anastasiya Rastorgueva, Mariya Savina

**Hypersexuality across neurological disorders: a systematic review of**

**aetiologies, clinical manifestations, assessment methods, and management strategies**

Alexa Schincariol, Rachele Pezzetta, Maria Devita, Huan Wan, Ping Yan, Stefano Ferracuti, Giuseppe Sartori, Matilde Ferrari Amorotti, Matilde Massara, Giovanna Parmigiani, Cristina Scarpazza

**Group-Specific Pupillary Responses to Social and Non-Social Stimuli in infants at elevated likelihood of atypical neurodevelopmental conditions**

Martina Micai, Mara Sabbioni, Angela Caruso, Francesca Fulceri, Letizia Gila, Martina Attenni, Olimpia Riccioni, Miriam Polizzi, Anna Acampora, Francesca Avallone, Sonia Burzo, Carmela Bravaccio, Giulia Stoppa, Monica Fumagalli, Terje Falck-Ytter, Maria Luisa Scattoni

**Motivational effects on decision noise**

Nahuel Salem-Garcia, Maël Lebreton, Valentin Wyart

**Neural dynamics of respiratory interoception**

Martina Saltafossi, Teresa Berther, Jana Fehring, Leah Banellis, Niia Nikolova, Micah Allen, Daniel S. Kluger

**From perception to emotion: CFS breakthrough predicts anger reactivity beyond trait anger**

Fátima Saraiva, Joana Coutinho, Susana Capela, Catarina Fagundes, Marlene Nogueira, Natividade Couto Pereira, Marieke Martens, Catherine J Harmer, Adriana Sampaio, Liliana Capitão

**Using computational modelling and fMRI to study peer influences on empathy formation**

Anne Saulin, Patricia Lockwood, Lei Zhang

**A pupillometric and oculometric analysis of painting perception in autistic, artist, and neurotypical adults.**

Daphné Senggaran, Renaud Jusiak,  
Océane Lehmann, Claire Wardak,  
Emmanuelle Houy-durand, Shasha  
Morel-Kohlmeyer, Mohamed Amine  
Kerkouri, Aladine Chetouani, Nadia  
Aguillon-Hernandez

### **Comparing the Effectiveness of Cognitive-Fatigue-Inducing Tasks**

Kai Shaman, Louise De Meulenaer,  
Emilie Caspar

### **Cognitive control dysfunction under sleep loss: Neurophysiological evidence of attention and error monitoring**

Komal Sharma, Arjun Ashok, Suman  
Dhaka

### **Dissociations between objective and subjective reports suggest a common post-perceptual basis for valence and conscious awareness**

Medha Shekhar, Axel Cleeremans

### **Social prediction error processing and associated cerebellar-cerebral connectivity changes in patients with cerebellar neurodegeneration.**

Libera Siciliano, Nicole Urbini, Giusy  
Olivito, Martina Tanieli, Michelle Pisu,  
Andrea Circugno, Viola Oldrati,  
Federico Giove, Cosimo Urgesi, Maria  
Leggio

### **From facial expressions to empathy for pain: preliminary validation of a set of face stimuli depicting varying pain intensities**

Lorenzo Silla, Ludovica Vosa, Giorgia  
Ponsi, Peter Mende-Siedlecki, Salvatore  
Maria Aglioti

### **Beyond the session: Wearable monitoring of autonomic and circadian dynamics in psychedelic- assisted therapy**

Lisa Simon, Mary Grankin, Roee  
Admon, Roy Salomon

### **Analyzing lead-lag movement dynamics in autistic and**

neurotypical mother-child dyads  
using cross-recurrence  
quantification

Julia Słowicka, Aleksandra  
Kołakowska, Grzegorz Kaliński,  
Aleksandra Hamny, Jarosław  
Żygierewicz, Agnieszka Pluta

Computational mechanisms of  
mentalization across large  
language models and humans

Aamir Sohail, Xintong Zhong, Arkady  
Konovalov, Patricia L. Lockwood, Lei  
Zhang

Growing bigger than the gap:  
Investigating body-space  
interactions during a haptic illusion  
altering perceived body size

Karunya Srinivasan, Elena Márquez  
Segura, Tomás Martínez-Córtés,  
Salvador Soto-Faraco, Ana Tajadura-  
Jiménez

The role of motor and contextual  
information in the creation of  
(predictable) false memories for  
actions

Mara Stockner, Gianmarco Convertino,  
Giuliana Mazzoni

How normal are depressive brains?  
Combining normative, network and  
predictive modelling

Tabea Straeten, Udo Dannlowski, Tim  
Hahn, Tilo Kircher, Markus Junghöfer,  
Nils Ralf Winter

Motivational determinants of effort-  
based choice across reward  
context and time

Sinem Subasi, Mustafa Yavuz, Bahador  
Bahrami, Nobuhiro Hagura

Dissociating periodic and aperiodic  
EEG components under prolonged  
war-related stress: insights from  
spectral parameterization

Yaroslav Subin, Mariia Chernykh,  
Mykola Makarchuk

**Effects of neuromodulation on mental state recognition: unveiling the cerebellar role**

Martina Tanieli, Michelle Pisu, Eleonora Picerni, Libera Siciliano, Nicole Urbini, Federico Giove, Iara Acosta, Maria Leggio, Giusy Olivito

**Who trusts prior expectations? A Bayesian approach to age, gender, and personality differences in decision-making**

Luca Tarasi, Vincenzo Romei

**Phenomenological control of bodily sensations and heart rate variability**

Aloïs Toussaint, Anastassia Loukianov, Olivier Desmedt, Axel Cleeremans, Mateo Leganes-Fonteneau

**Neural markers of occupational burnout: ERP correlates and moderating role of depression**

Soner Ülkü, Patrick Gajewski, Edmund Wascher

**Avoiding fear keeps it alive: how avoidance of learned fear shapes extinction learning and fear retention**

Bilge Uysal, Minita Franzen, Matthias J. Wieser, Alex Wong

**Turning a blind eye: self-report, immersive virtual reality (IVR), and neurophysiology to investigate bystander intervention when prison officers witness misconduct**

Alisha Vabba, Emilie Caspar

**Tobacco smoking is associated with impaired error-related cardiac slowing**

Frederik van der Veen, Henrico Stam, Ingmar Franken

**How does Alexithymia modulate electrophysiological and physiological responses to emotional stimuli?**

Nicola van Rijsbergen, Caitlin Duxbury,  
Abigayle Hepburn

**Exploration-exploitation trade-offs  
in uncertain aversive contexts: The  
role of threat proximity**

Emily Ann Vanlooy, Irene Van de Vijver,  
Chris Harris, Ruud Custers, Joke Baas

**Interoceptive modulation of mirror-  
induced dissociation**

Gabriele Vercelli, Ilaria Bufalari, Ruben  
Azevedo

**Parental interoceptive inferences:  
reading children's cardiac states  
and links to interoception**

Carolina Villegas Martinez, Athanasios  
Koukoutsakis, Alejandro Galvez-Pol,  
Michal Tanzer, Aikaterini Fotopoulou

**Stress and cardiorespiratory cycle  
effects on behavioral and  
electrophysiological correlates of  
threat processing in an affectively  
primed weapon identification task.**

Leon von Haugwitz, Edmund Wascher,  
Mauro Larra

**Reward prediction errors drive  
emotional valence**

Thalia Vrantsidis, Alan Voodla, Kimia  
Sabbagh

**Combined Reduction of the Sense  
of Ownership and Agency  
Decreases Dishonesty: Behavioral  
and Physiological Evidence from a  
Virtual Reality Study**

Ludovica Vosa, Luca Provenzano,  
Marina Scattolin, Giuseppina Porciello,  
Maria Serena Panasiti, Salvatore Maria  
Aglioti

**Divergent Gaze Strategies in  
Decisions from Experience and  
Description**

Veronika Wendler, Chih-Chung Ting,  
Ramakrishna Chakravarthi, Lei Zhang,  
Sebastian Gluth



**PreSMA rTMS interacts with Need for Cognitive Closure to impact strategy use in multi-attribute choice**

Magdalena Witkowska, Krzysztof Bielski, Jakub Cacek, Kaja Szymanek, Justyna Hobot, Małgorzata Dec-Ćwiek, Michał Wierzchoń, Szymon Wichary

**Neurodevelopment of social and asocial emotion regulation**

Melanie Juliana Wiehe, Anna Gerlicher, Jessica Määttä, Marieke Bos, Armita Golkar

**Neural signatures of trust: tracking attention allocation in human–AI collaboration**

Eva Wiese, Tobias Feldmann-Wüstefeld

**How parents and peers shape self-esteem in depressed and healthy adolescents**

Geert-Jan Will, Loes H.C. Janssen, Mirjam C.M. Wever, Lisanne A.E.M. van Houtum, Wilma G.M. Wentholt, Marieke S. Tollenaar, Alexis I. Carras, Rona Withagen, Michael Moutoussis, Bernet M. Elzinga

**Oscillatory motor dynamics reveal correlates of implicit error processing**

Vasil Kolev, Juliana Yordanova

**Disorientation assessment using accelerometric and spatial gait features in healthy older adults navigating in a virtually enriched environment**

Alice Grazia, Qingyue Li, Thomas Kirste, Frank Feldhege, Timo Klein, Sven Bruhn, Stefan Teipel

**Addressing biases in emotional stimuli: toward an inclusive database of facial and whole-body expressions**

Marta Calbi

|                 |                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |                                                                                                                                                                                                                                                                                                                                                                        | <p><b>The social brain in context: integrating affective and cognitive processes across scales</b><br/> <u>Lara Maliske</u>, Matthias Schurz, Philipp Kanske</p>                                                                                           |                                                                                                                                                                                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                        | <p><b>Salivary lactoferrin as a new Alzheimer's disease non-invasive biomarker: link between oral dysbiosis and infective hypothesis</b><br/> <u>Deborah Romualdi</u>, Laura Carrero, Desire Antequera, Eva Carro</p>                                      |                                                                                                                                                                                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                        | <p><b>Does cognitive fatigue disrupt the theta gamma code? An electroencephalography test of the Missing Link hypothesis</b><br/> Brodie Mangan, Dimitrios Kourtis</p>                                                                                     |                                                                                                                                                                                                                              |
|                 |                                                                                                                                                                                                                                                                                                                                                                        | <p><b>Oxytocinergic and opioidergic action and interaction during social and non-social reward processing in humans</b><br/> <u>Jakub Kraus</u>, Emilio Chiappini, Matthaeus Willeit, Giorgia Silani</p>                                                   |                                                                                                                                                                                                                              |
| 3:00pm - 4:30pm | <p><b>O3-1: Clinical Psychology/Neuroscience</b><br/> Location: <b>Room 9A</b><br/> Chair: Rita Castilho Lima<br/> Chair: Giorgia Mason</p>                                                                                                                                                                                                                            | <p><b>O3-2: Decision-making</b><br/> Location: <b>Room 3</b><br/> Chair: Vanessa Era<br/> Chair: Daniel Pumo</p>                                                                                                                                           | <p><b>O3-3: Social interaction</b><br/> Location: <b>Room 8B</b><br/> Chair: Piero Lamia<br/> Chair: Michela De Ventura</p>                                                                                                  |
|                 | <p><b>Rethinking flexibility: Valence-specific emotional shifting as a transdiagnostic mechanism</b><br/> Renata Cserjesi, Alexander Logemann, Gyöngyi Kökönyi, Raissa Negrao</p>                                                                                                                                                                                      | <p><b>The Neurobiological Craving Signature (NCS) predicts social craving and responds to social isolation</b><br/> <u>Ana Defendini</u>, Livia Tomova, Leonie Koban</p>                                                                                   | <p><b>Inside the frontal face network: multimodal evidence for distinct emotional and motor resonance circuits</b><br/> <u>Marzio Gerbella</u>, Beatrice DeNegri, Luciano Simone, Fausto Caruana, <u>Marzio Gerbella</u></p> |
|                 | <p><b>Modulating pain through the embodiment of interoceptive signals: The contribution of virtual vicarious affective touch and breathing in fibromyalgia.</b><br/> <u>Maddalena Beccherle</u>, Martina Fusaro, Fabio Aurelio D'Asaro, Elena Saccoman, Salvatore Maria Aglioti, Valentina Moro</p>                                                                    | <p><b>A body worth the effort: Reduced effort discounting in individuals with greater body image disturbance</b><br/> <u>Paul Mark Jenkinson</u>, Shen Yao Hsu, Athanasios Koukoutsakis, Patricia Lockwood, <u>Matthew Apps</u>, Aikaterini Fotopoulou</p> | <p><b>Time-frequency coordination in plant dyads: a non-neural model of synchrony</b><br/> <u>Bianca Bonato</u>, Valentina Simonetti, Umberto Castiello</p>                                                                  |
|                 | <p><b>Domain-specific impairments in self-other distinction in borderline personality disorder: Evidence from a multi-center study</b><br/> <u>Ekaterina Pronizius</u>, Celine De Meulemeester, Nita Bislimi, Sarah K. Fineberg, Pavla Horká-Linhartová, Martin Horký, Ingmar Heinig, Inga Niedtfeld, Magdalena Helísková, Thea McAfee, Tim Bastiaens, Alix Bigot,</p> | <p><b>Is democracy worth the effort?</b><br/> <u>Olaf Borghi</u>, Manos Tsakiris, Mariana Von Mohr</p>                                                                                                                                                     | <p><b>From inter-brain synchrony to generalized empathy: the effects of inter-brain plasticity through dyadic neurofeedback</b><br/> <u>Mario Francis</u>, Andrey Markus, Simone Shamay-Tsoory</p>                           |
|                 |                                                                                                                                                                                                                                                                                                                                                                        | <p><b>The Role of Stress-Driven Multivariate Associations Between Brain Networks and Gut Microbiota</b></p>                                                                                                                                                | <p><b>Why do we laugh when we get tickled? - Emotionally ambivalent</b></p>                                                                                                                                                  |

Tomáš Kašpárek, Philipp Kanske, Claus Lamm, Patrick Luyten, Henryk Bukowski

**Towards a better understanding of impulsivity in adolescents with ADHD by dissociating the expression and inhibition of impulsive responses**

Aurélié Grandjean, Isabel Suarez, David Da Fonseca, Laurence Casini

**O3-4: Social Cognition**

Location: **Room 8A**

Chair: Ilaria Minio Paluello

Chair: Jonasz Szydzisz

**How social can robots be perceived? Disentangling context- and appearance-dependent dimensions of social competence in human-robot interaction conversations using fMRI.**

Thierry Chaminade, Camilla Di Pasquasio

**Beyond mirroring: goal-dependent somatosensory dynamics in emotion and social perception**

Bettina Forster

**When AI sounds human: discriminating human and AI-generated emotional vocalizations in autistic and non-autistic adults**

Ceci Qing Cai, Venice Yip, Sarah Liu, Sophie Scott, Sarah White

**S7-3: Social and cognitive perspectives on AI, conspiracy beliefs, and public health**

Location: **Room 6B**

**Social and cognitive perspectives on AI, conspiracy beliefs, and public health**

**on value-based (food) decision-making**

Silvia Papalini, Esther Aarts, Nils Kohn

**O3-5: Touch**

Location: **Acquario room**

Chair: Martina Fusaro

Chair: Matteo P. Lisi

**Social touch in adolescence: Heightened sensitivity and stress regulation.**

Irene Valori

**Threat, agency, tactile feedback: behavioral, cardiac and cortical determinants of self-related processing in self-touch**

Anne Felsenheimer, Arno Villringer, Sarah Garfinkel, Patrick Haggard

**What makes a touch feel ticklish?**

Ziliang Xiong, Tilman Stephani, Konstantina Kiltani

**Investigating the emotional responses elicited by the sounds of affective touch**

Malika Auvray, Francisco Barbosa Escobar

**“Mom, is that you?” Mother-infant behavioral synchrony predicts 6-month-olds’ somatosensory discrimination of maternal versus unfamiliar woman’s touch**

Isis Angelica Segura, Camila Fragoso Ribeiro, Lívia Campos, Isabela Macen Petrovitch de Oliveira, Rogério de Oliveira, Sérgio Luiz Novi, Rickson C. Mesquita, Ana Alexandra Caldas Osório

**S7-4: From self to social: neural and behavioral signatures of multisensory perception and social interaction**

Location: **Room 6A**

**From self to social: neural and behavioral signatures of**

**responses to ticklish touch on the foot soles**

Anne Hoffmann, Wendy Pléto, Konstantina Kiltani

**S7-1: Neural alignment and synchronization in real-time social interaction**

Location: **Tarantelli Room**

**Neural alignment and synchronization in real-time social interaction**

Chair(s): Nicolas Burra, Ryssa Moffat

*Presentations of the Symposium*

**Multi-brain neuroscience of inter-brain synchronization: theory, methods, and applications**

Guillaume Dumas; guillaume.dumas@umontreal.ca

**Exploring interbrain alignment using two-brain eeg microstates**

Qianliang Li; glia@dtu.dk

**Interbrain synchrony during small and large group interactions**

Ann Hogenhuis, Hester van Beek, Ruud Hortensius; a.l.m.p.hogenhuis@uu.nl

**Interpersonal dynamics of mitigating loneliness using intergenerational creative art-making**

Ryssa Moffat, Guillaume Dumas, Luca Naudszus, Emily S. Cross; ryssa.moffat@gess.ethz.ch

**S7-5: Crossmodal Remapping in Sensory and Motor Cortices: evidence from “Touch to See” PRIN project**

Location: **Room 5**

**Crossmodal Remapping in Sensory and Motor Cortices: evidence from “Touch to See” PRIN project**

Chair(s): **Alessandro Santirocchi**

*Presentations of the Symposium*

**Debunking anti-LGBTQ+ conspiracies with AI: limited belief change, clear emotional shifts**

**Mauro Giacomantonio, Nadia Valsecchi, Matteo Bonora;**  
mauro.giacomantonio@uniroma1.it

**Prosociality, anxiety and hesitancy: understanding COVID-19 vaccination intention in India**

**Divya Bathia, Alessandro Santirocchi, Rakhi Gupta, Pietro Spataro, Clelia Rossi-Arnaud, Vincenzo Cestari;**  
dbhatia@jgu.edu.in

**When artificial faces feel real: memory and confidence in the recognition of GAN-generated faces**

**Pietro Spataro, Aicia Naser, Roberto Atzeni, Alessandro Santirocchi, Antonino Esposito, Vincenzo Cestari, Clelia Rossi-Arnaud;**  
pietro.spataro@unimercatorum.it

**multisensory perception and social interaction**

Chair(s): **Letizia Della Longa, Ugo Giulio Pesci**

*Presentations of the Symposium*

**Growing in interaction: the role of social interactions in modulating the effects of rubber hand illusion in adolescents and adults**

**Letizia Della Longa, Ugo Giulio Pesci, Irene Guglielminetti, Teresa Farroni;**  
letizia.dellalonga@unipd.it

**The plasticity of the bodily self in interactions: investigating the neurophysiological interplay between interpersonal motor interactions and the body schema**

**Ugo Giulio Pesci, Michela De Ventura, Giorgia Mason, Matteo Candidi;**  
ugo.pesci@uniroma1.it

**The microstructure of intra- and interpersonal coordination**

**Alice Tomassini;** tmslca@unife.it

**Self-other body boundaries in the healthy and pathological brain**

**Carlotta Fossataro, Mattia Galigani, Alice Rossi Sebastiano, Valentina Bruno, Francesca Garbarini;**  
carlotta.fossataro@unito.it

Chair(s): **Francesca Garbarini, Nadia Bolognini, Emiliano Ricciardi**

*Presentations of the Symposium*

**Developmental timing constrains modality-specific cortical plasticity**

**Francesca Setti, Giacomo Handjaras, Pietro Pietrini, Davide Bottari, Emiliano Ricciardi;** francesca.setti@imtlucca.it

**Shared Neural Codes for Touch and Vision: Inter-subject correlation revealed crossmodal remapping of visual input in primary somatosensory cortex**

**Nicolo Castellani, Francesca Simonelli, Davide Bottari, Jordi Manuella, Donato Liloia, Emiliano Ricciardi, Giacomo Handjaras, Francesca Garbarini;**  
nicolo.castellani@unito.it

**Body ownership gates tactile awareness by reshaping somatosensory functional connectivity**

**Alberto Pisoni, Carlotta Fossataro, Alice Rossi Sebastiano, Marcella Romeo, Eleonora Arrigoni, Leonor Josefina Romero Lauro, Nadia Bolognini, Francesca Garbarini;**  
alberto.pisoni@unimib.it

**Crossmodal modulations of the motor system by action observation and non-invasive brain stimulation: evidence from the healthy and injured brain**

**Giacomo Guidali, Michela Picardi, Antonio Carroni, Nadia Bolognini;**  
giacomo.guidali@unimib.it

4:30pm

-

5:00pm

**Best Poster Awards**

Location: **Tarantelli Room**