

Conference Agenda

ESCAN 2026

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

11:30am Registration
- Location: **Registration Desk and Secretariat**

7:30pm

1:30pm Welcome Coffee
- Location: **Catering Areas**

1:45pm

1:45pm Pre-Congress 1: Social Neuroscience: how can we bridge the gap from basic research to societal impact?
- Location: **Room 5**

5:15pm

Pre-conference symposium ESCAN 2026, organised by SIG ESCAN-Social Neuroscience

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).

Program Structure:

13:30 Welcome and chats over coffee

13:50 Welcome address by Grit Hein

14:00 Session 1

14:00 Topic 1 - **Artificial Intelligence and Human Interaction** (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 - **Lasana Harris** (Department of Experimental Psychology, Faculty of Brain Sciences (FBS) University College London, UK): **AI and Social Neuroscience: Promises and Pitfalls**

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 conceptions 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 - **Jairo Perez-Osorio & Eva Wiese** (Cognitive Psychology & Ergonomics, Head of Brains, Minds & Bots Lab, Institute of Psychology and Ergonomics, Berlin Institute of Technology, Germany): **Teaming Up with AI Increases Own-Error Awareness**

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^{1,2}: *"Sensing the body through sound: Auditory-driven changes in body representation and body-centred applications for health"*

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²UCL Interaction Centre (UCLIC), University College London, University of London, London, UK E-mail: atajadur@inf.uc3m.es; Web: 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 Technology 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 and Local Organizers

Location: **Tarantelli Room**

Welcome Cocktail

Location: **Catering Areas**

Date: Thursday, 04/June/2026

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

7:00pm - **Keynote Lecture 1: Tallon Baudry: Two distinct functional roles for interoception: information and coordination**
Location: **Tarantelli Room**
Chair: **Giuseppina Porciello**

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

10:30am - **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 Mascarò;
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

Attitudinal and behavioral changes following embodiment of civic heroes and mafia criminals in Immersive Virtual Reality
Matteo P. Lisi; matteo.lisi@uniroma1.it

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

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 Ardalán, 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 Barmpari, 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 Ladjenef, 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 Bouloungne, Lucas De Zorzi, Pierre Csigai, 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
Seráfica, 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 Medial Frontal Negativities in
OCD Patients**

Maxi Alicia Ganser, Norbert Kathmann,
Stephan Heinzl, 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 Krahe, 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 Baciu, 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 Høy
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 Nie, 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 Krahe

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 Hertz, 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 Kobylińska

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 Metacognition in Working
Memory**

Hongchi Zhang, Mengyao Yang,
Lorenza Colzato, Bernhard Hommel

**Metacognition, 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@cnsr.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: **Acuario 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 Atretkhany, Roderick Plantenga, Gabriel Lepousez, Pierre-Marie Lledo, Gérard Eberli;
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

Dopaminergic modulation of behavioral, electrocortical, and autonomic markers of interpersonal performance monitoring in Parkinson's Disease.

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; vanessa.era@uniroma1.it

Targeting the cerebellum with tDCS boosts social-emotional processing in autism

Beatriz Catoira, Frank Van Overwalle, Chris Baeken; Beatriz.Catoira@vub.be

Electrophysiological evidence for cerebellar contributions to language and emotion

Jana Klaus; j.klaus@uu.nl

3:30pm

-

4:00pm

4:00pm

-

5:30pm

Tea Break

Location: **Catering Areas**

O1-1: Cognitive control

Location: **Acquario room**

Chair: **Ugo Pesci**

Chair: **Biagio Dell'Omo**

Neuromelanin variability in the substantia nigra predicts individual differences in interference control

Shuhui Lyu, Hongchi Zhang, Jimin Yan, Jiaqi Gao, Kangcheng Wang, Lorenza Colzato, Bernhard Hommel

O1-2: Social Cognition

Location: **Room 6B**

Chair: **Maria Serena Panasiti**

Chair: **Jonasz Szydzisz**

Love in the time of stress: how attachment links to empathic stress and partner support

Mathilde Gallistl, Johanna Elea Hamann, Lydia Handke, Sandra Gabler, Melanie Kungl, Ilona Croy, Pascal Vrticka, Veronika Engert

O1-3: Clinical Neuroscience, Psychopathology

Location: **Room 3**

Chair: **Sofia Ciccarone**

Chair: **Rita Castilho Lima**

Does the personality of individuals on the autism spectrum influence their ability to decode mental states?

Elisabetta Pisanu, Marco Zanon, Raffaella Ida Rumiati

Acute effects of cognitively engaging physical activity on inhibitory control and neural activity in preadolescent children: a randomised cross-over trial.

Evelyn Watson, Cian Xu, Paul W Burgess, Paola Pinti, Ilias Tachtsidis, Mark Hamer, Flaminia Ronca

LSD increases interpersonal connection and emotional empathy and improves conflict resolution in romantic dyads

Natasha Mason, Pablo Mallaroni, Kim Kuypers, Johannes Ramaekers

Trauma Under Altered States of Consciousness: How trauma during altered states of consciousness impacts cognitive, physiological neural and clinical outcomes

Roy Salomon

When chaos helps: The pros and cons of a noisy brain

Bernhard Hommel

Empathy shapes the dynamics of moral decision-making: physiological and computational evidence

Khatereh Borhani, Soroosh Golbabaei, Martin Lang

The paradoxical effect of repeated body checking on uncertainty

Mor Ben Zaken Linn, Noam Weinbach

Modulation of early TMS-Evoked Potentials reflects cortical disinhibition driven by error processing and disrupted embodiment in a virtual reality environment

Stella Petkovic, Federico Rossano, Gabriele Fusco, Salvatore Maria Aglioti

Functional neural network reorganization during naturalistic social cognition

Lara Maliske, Konrad Lehmann, Matthias Schurz, Malin Hildebrandt, Emanuel Jauk, Philipp Kanske

Effective Connectivity Signatures of the Triarchic Model of Psychopathy in a Psychopathy Network

Tiago O. Paiva, 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

Effects of global and local target probability on proactive and reactive control

Juliana Yordanova, Plamenka Nanova, Lora Lymova, Vasil Kolev

How attentional states modulate interpersonal autonomic synchrony: empirical evidence and a conceptual framework

Sarah Boukarras, Giorgia Mason, Federico Rossano, Tiago Bortolini, Vanessa Era, Salvatore Maria Aglioti

A lesion network mapping study of focal brain lesions temporally associated with criminal behaviour

Cristiano Costa, Alexa Schincariol, Camilla Frangi, Pietro Pietrini, Stefano

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

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

7:00pm

-

11:00pm

Special Interest Research Group (SIG) on Social Neuroscience

Location: **Acquario room**

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**

12:00pm

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, Shoee 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, Iliaria 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, Iliaria 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

Iliaria 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 μ 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 Cerda-Company, Antoni Rodriguez-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, Gianarelio 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 Scutto, Actis-Grosso Rossana, Borghese Nunzio Alberto, Chitti Eleonora, Cavallo Filippo, Fiorini Laura, Pugi

Lorenzo, Olivari Benedetta, Carezzi
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 Capiello, 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 Kızı, 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-Bostoën, 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 χ 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

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Francesca Genovese, John J Sykes, Elena Mussini, Martina Fanghella, Guido Barchiesi, Domenico Prattichizzo, Simone Rossi, Corrado Sinigaglia

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Boosting nature's regulatory effects on emotion: An fMRI investigation of guided nature exposure

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Fear related human odour modulates affective sentence processing: a naturalistic multisensory study

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Keren Gorst Kaduri, Haran Sened, Tamar Radai, Ayelet Avny, Hadas Nathan Gamliel, Sigal Zilcha Mano, Simone Shamay Tsoury

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Aurore Goubrievsky, Julie Grezes, Matteo Sequestro, Lisa Sturm, Morgan Bearenaud, 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

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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

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Cornelia Herbert, Raphael Kneipp, Nina Kapfer

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Thin-ideal glorification versus criticism: Effects on body image and affective responses among young women

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Sensorimotor cortex causally modulates pain empathy through interactions with anterior insula: A TMS-fMRI study

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The aversive action control task (aACT): Emotional modulation of continuous whole-body tracking in virtual reality

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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

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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.

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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,

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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

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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.

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Emotion regulation as a proactive buffer: behavioral and neural effects on subsequent stress responses

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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 Gittelson, 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

Iliaria Mirlisenna, Dariia Korsunova, Corrado Corradi-Dell'Acqua

Against the male average: hierarchical drift diffusion modelling of sex judgments

Devan Mitey, 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

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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

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Neural basis of attentional deployment in affective forecasting of hypothetical medication outcome trade-offs

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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,
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**Exploring the sensorimotor
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**Neural adaptation to socio-
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Social learning of abstract concepts in middle childhood: a multimodal hyperscanning study of behavioural and neural dynamics

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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

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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

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The combined effects of prefrontal tDCS and slow-paced breathing on stress reactivity, emotional reactivity, and emotion regulation

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Attentional and behavioral signatures of emotional flexibility in emotional eating: an Eye-Tracking study

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Searching for belonging: social exclusion and selective enhancement of visuospatial working memory for affiliative stimuli

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Do affective symptoms predict cognitive performance during remote neuropsychological assessment?

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Reaching Distance Estimation as a novel Paradigm to measure Peripersonal Space Plasticity in Physical and Virtual Reality

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Brain activation differences in emotional perspective-taking between adolescents and adults ; an fMRI study

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Cognitive foundations of problem gambling: Early markers of gambling disorder

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Structural vulnerability of social cognition networks in alcohol use disorder: A meta-analysis of grey matter alterations

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Respiration phase modulates aversive responding and varies with generalised anxiety - initial evidence for altered respiratory allostasis in anxiety

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The role of reality monitoring in clinical and non-clinical dissociation

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Modulating gastric acidity to probe the psychophysiological signatures of disgust and

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Interoceptive contribution to time perception in a cue combination framework

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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

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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

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High-cost emotion regulation in excessive social media users: inflexible strategy selection and compensatory neural recruitment.

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When AI acts social: Processing costs reveal tension in agent representation

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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

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**The emotional effects of
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Žan Zelič, Joel Patchitt, Hugo D.
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**Face Identity Recognition as an
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**A multilevel model of perspective-
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Alix Bigot, Henryk Bukowski, Rebecca
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**Developing a predictive coding
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**Why does social cognition resist
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Eline Klemm, Henryk Bukowski

Post-Traumatic clinical need as a guide for translational neurobiology

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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 Pasión

Periodic and aperiodic rsEEG markers in healthy elderly subjects and patients with mild cognitive impairment due to Alzheimer's disease

Burcu Bölükbas, 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

Patricia 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 Garelo, Nunzio Langiulli, Vittorio Gallese, Valentina Cuccio, Martina Ardizzi

		<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>	
<p>2:00pm - 3:30pm</p>	<p>O2-1: Action Location: Acquario room Chair: Biagio Dell'Omo Chair: Martina Ciliberti</p> <p>Disruption of the dIPFC eliminates the emotion-based advantage in action inhibition <u>Sara Borgomaneri</u>, Claudio Nazzi, Lorenzo Però, Simone Battaglia</p>	<p>O2-2: Social cognition Location: Room 9A Chair: Ludovica Vosa Chair: Lorenzo Silla</p> <p>Seeing Together: Inter-agents Motion Energy coupling as a Cue for Perception of Sociality <u>Piero Lamia</u>, Cesare Parise, Matteo Candidi</p>	<p>O2-3: Decision-making Location: Room 6A Chair: Sarah Boukarras Chair: Linda Riu</p> <p>When body-brain communication goes awry: Altered body-brain communication and decision-making in fibromyalgia <u>Aleksandra Herman</u></p>
	<p>Peripersonal neurons of the ventral premotor cortex in freely moving monkeys <u>Davide Albertini</u>, Monica Maranesi, Francesca Lanzarini, Elena Ferretti, Luca Bonini</p>	<p>Functional network organization underlying individual differences in false feedback susceptibility: a graph theoretical analysis <u>Joel Pachtitt</u>, Theodoros Karapanagiotidis, Sarah Garfinkel, Mark Miller, Manos Tsakiris, Andy Clark, Hugo Critchley</p>	<p>Impact of social context on brain-predicted craving <u>Valérie Godefroy</u>, Martine Groefsema, Lin Congyu, Guillaume Sescousse, Hedy Kober, Maartje Luijten, Leonie Koban</p>
	<p>Causal enhancement of AON feedback connectivity improves prediction of observed human actions <u>Sonia Turrini</u>, Emilio Chiappini, Marco Zanon, Sara Borgomaneri, Alessio Avenanti</p>	<p>Oxytocin enhances social cognition: converging evidence from several pharmacopsychophysiological studies Diana Prata</p>	<p>Neural basis of social metacognition <u>Rebekka S. Mattes</u>, Gizem Vural, Sarina Drexler, Hongmei Xia, Alexander Soutschek</p>
	<p>Shared Principles in Brains and Models: Causal and Motor-Based Representations for Speech <u>Alessandro D'Ausilio</u></p>	<p>Asymmetries in Basic Valence: Testing for the Limits of Pain and Pleasure Conceptions <u>Lea Moncoucy</u>, Axel Cleeremans</p>	<p>Deciding to Regulate Emotion: Representing the Subjective Value of Prospective Emotional States in the ACC <u>Carmen McClean-Daoust</u>, Charlotte Rae, Dan Campbell-Meiklejohn</p>
	<p>Perceived time shapes fatigue via frontal, cingulate, and interoceptive areas <u>Pierre-Marie Matta</u>, Leila Reddy, Alexandre Zénon, Julien Duclay, Robin Baurès, Andrea Alamia</p>	<p>The good, the bad and the broken: neural processing of robot's aligned and misaligned autonomous behaviour <u>Mateusz Wozniak</u>, Davide DeTommaso, Agnieszka Wykowska</p>	<p>Does arousal guide adaptive choice? Evidence from pupil dynamics in reinforcement learning <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

Dissociable cardiac–cortical signatures of physical and moral disgust

Maria Serena Panasiti, Maria Rebecca Manzo, Anna Laura Fraghi, Giuseppina Porciello, Vanessa Era, Sofia Ciccarone, Arianna Vecchio, Giovanni Vecchiato, Salvatore Maria Aglioti

Weighting sensory inputs in sensorimotor- and multisensory-based body representation

Silvio Ionta

Effects of High-Definition tDCS Targeting the dIPFC on Effort-Related Cardiac Reactivity

David Framorando, Guido H. E. Gendolla, Philip A. Gable, Andrea Razzetto, Sarah Delobel

Rapid anticipatory cardiac deceleration predicts near-threshold visual detection

Lina Skora, Gerhard Jocham

3:30pm

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4:00pm

4:00pm

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5:00pm

5:00pm

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6:30pm

Tea Break
Location: **Catering Areas**

Award: Young Investigator Awards
Location: **Tarantelli Room**

S5-1: Neural, Physiological, and Behavioural Bases of Engagement in Aesthetic and Live Performances

Location: **Room 6B**

Neural, Physiological, and Behavioural Bases of Engagement in Aesthetic and Live Performances

Chair(s): **Julie Grezes, Victor Chung, Ondine Simonot-Bérenger**

Presentations of the Symposium

Individual neural mechanisms of neuroaesthetic experience

Emily Cross; ecross@ethz.ch

Delta-band audience brain synchrony tracks audience engagement with live and recorded dance performances

Semantic dimensions of teaching that guide human reinforcement learning

Hernan Anllo, Bahador Bahrami, Uri Hertz, Stefano Palminteri

The neurocomputational mechanisms of prejudice formation: from a learning model perspective

Jianming Wang, Yuqing Zhou

Effortful control and decision dynamics underlying race and intersectional biases in first impressions

Julie Grezes, Lucile Bottein, Lou Safra

Social and cognitive adaptation to incarceration: Longitudinal evidence from behavior and EEG.

Victoria Rambaud, Ilke Veeckman, Louis Favril, Tom Vander Beken, Emilie Caspar

S5-2: From body representation to self-experience: neural mechanisms and clinical applications

Location: **Room 9A**

From body representation to self-experience: neural mechanisms and clinical applications

Chair(s): **Valentina Cazzato, Catherine Preston, Rebecca Boehme**

Presentations of the Symposium

The bodily self in anorexia and schizophrenia

Rebecca Boehme;
rebecca.bohme@liu.se

Interpreting bodily signals under stress: interoceptive accuracy, daily sensibility, and stress reactivity

The cost of scrutiny: social anxiety constrains frontal-midline theta neural network reconfigurations during probabilistic learning

Hanjie Liu, Melle van der Molen

Gestational age and resting-state brain connectivity: neuropsychological and socio-cognitive outcomes in very preterm children

Marta Elena Carrasco-Solis, Sofia Amaoui, Carolina Laynez-Rubio, Ana Nieto-Ruiz, Aída Ruiz-López, Elisabeth Fernández-Marín, Ana Campos-Martínez, Manuel Molina-Oya, José Uberos-Fernández

Altered sensory attenuation grounds perception of fatigue in clinical and healthy populations

Angela Marotta, Emanuela Pizzolla, Mehran Emadi Andani, Ilaria Antonella Di Vico, Melania Fasoli, Irene Lozzi, Angela Sandri, Marialuisa Gandolfi, Michele Tinazzi, Mirta Fiorio

Intranasal oxytocin transiently normalizes amygdala connectivity during facial emotional recognition in psychosis

Beatriz Barros, Vasco Diogo, Diana Prata

S5-3: Naturalistic neuroscience: addressing real-world behaviour in controlled settings

Location: **Tarantelli Room**

Naturalistic neuroscience: addressing real-world behaviour in controlled settings

Chair(s): **Dominik R Bach, Antonia Hamilton**

Presentations of the Symposium

Revealing canonical learning phenomena in naturalistic avoidance using immersive virtual reality

Huaiyu Liu, Josie Linnell, Federico Mancinelli, Tom Beckers, Dominik R Bach; huaiyu.liu@ucl.ac.uk

Critical Intelligence: Towards understanding the neural mechanisms of naturalistic adaptive behaviour

Dominik R Bach, Jack Brookes, Yontan Hutabarat, Lukas Kornemann, Juliana K Sporrer, Sajjad Zabbah;
d.bach@uni-bonn.de

Guido Orgs; guido.orgs@ucl.ac.uk

Physiological Synchrony as a Measure of Audience Engagement

Felix Carter; f.carter@bristol.ac.uk

Physiological synchrony and collective effervescence in theatre

Victor Chung, Ondine Simonot-Bérenger, Julie Grezes; 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

Early life adversity biases neural and behavioral representations of ambiguity

Jennifer Silvers; silvers@ucla.edu

Early life adversity and affective health during pregnancy

Bridget Callaghan, Paul Savoca; 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

Neural and behavioural changes in the bodily self during pregnancy

Anna Crossland, Catherine Preston; 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

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

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

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

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

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

Testing the mutual prediction hypothesis in fNIRS hyperscanning

Antonia Hamilton, Ziyun Zhang; 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

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

Interactions in the lab: effect of social closeness on inter-brain and motor synchrony

Laura Fornari; l.fornari@vu.nl

Toward greater generalizability: Studying real-life (im)moral behaviors across diverse populations

Emilie Caspar; 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

Designing naturalistic studies: Participatory research for improving gender bias in autism detection

Pawel Matusz; 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 Kobylkov;
dmitry.kobylkov@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@parisnante.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

-

11:30pm

Conference Dinner

Location: **La Limonaia**

Date: Saturday, 06/June/2026

<p>8:30am -</p>	<p>Registration Location: Registration Desk and Secretariat</p>		
<p>4:00pm</p>			
<p>9:00am -</p>	<p>Keynote Lecture 3: Ewelina Knapska: Emotional echoes: how the brain uses others' emotions to guide adaptive behavior Location: Tarantelli Room Chair: Matteo Candidi</p>		
<p>10:00am</p>			
<p>10:00am -</p>	<p>Coffee Break Location: Catering Areas</p>		
<p>10:30am</p>			
<p>10:30am -</p>	<p>O3-6: Social Cognition Location: Room 6A Chair: Marina Scattolin Chair: Lorenzo Silla</p>	<p>O3-7: Interpersonal Synchrony Location: Room 6B Chair: Hajar Al-Naqshbandi Chair: Valerio Placidi</p>	<p>S6-1: Multimodal coordination in naturalistic dyadic social interactions Location: Room 8B</p>
<p>12:00pm</p>			
	<p>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</p>	<p>Computational insights on interbrain synchrony from biophysically constrained Kuramoto models Federico Cassioli, Daniele Marinazzo, Rudi De Raedt, Clay B. Holroyd</p>	<p>Multimodal coordination in naturalistic dyadic social interactions Chair(s): Magdalena Matyjek, Antonia Hamilton <i>Presentations of the Symposium</i></p>
	<p>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-Francois Gagnon</p>	<p>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</p>	<p>Using embodied social neuroscience to understand mechanisms of interactive social learning Antonia Hamilton; a.hamilton@ucl.ac.uk</p> <p>Coordinating conversation with the face Judith Holler; Judith.Holler@mpi.nl</p>
	<p>Neurocomputational mechanisms of social threat avoidance under distinct sources of uncertainty Matteo Sequestro, Enora Le Verge, Rocco Mennella, Julie Grezes</p>	<p>The multimodal propagation of smiles in free social interactions Pablo Arias-Sarah</p>	<p>What makes us "click"? Predicting rapport in neurodiverse online interactions Magdalena Matyjek; magdalena.matyjek@upf.edu</p> <p>Individual differences in conversation: Insights from autism and non-native speakers Simon Wehrle; simon.wehrle@uni-koeln.de</p>
	<p>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, Tijn Grootswagers</p>	<p>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</p>	
	<p>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</p>	<p>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</p>	
	<p>S6-2: Moral behaviour: from social learning to real-life decision-making Location: Room 5</p>	<p>S6-3: Peripersonal and interpersonal spaces of interaction: from individual sensorimotor control to social</p>	<p>S6-4: Artificial emotion: affective responses and interaction with artificial intelligence Location: Room 3</p>

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 Gistelinc, Ward Deferm, Rowena Van

The impact of opioids on curiosity and information seeking: the case of music enjoyment

Antoni Rodriguez-Fornells; arfornells@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.letteri@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 Almuqathwi, 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 Bearenaud, 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 Junghofer

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

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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>The social brain in context: integrating affective and cognitive processes across scales <u>Lara Maliske</u>, Matthias Schurz, Philipp Kanske</p>	
		<p>Salivary lactoferrin as a new Alzheimer's disease non-invasive biomarker: link between oral dysbiosis and infective hypothesis <u>Deborah Romualdi</u>, Laura Carrero, Desire Antequera, Eva Carro</p>	
		<p>Does cognitive fatigue disrupt the theta gamma code? An electroencephalography test of the Missing Link hypothesis Brodie Mangan, Dimitrios Kourtis</p>	
<p>3:00pm - 4:30pm</p>	<p>O3-1: Clinical Psychology/Neuroscience Location: Room 9A Chair: Rita Castilho Lima Chair: Giorgia Mason</p> <p>Rethinking flexibility: Valence-specific emotional shifting as a transdiagnostic mechanism Renata Cserjesi, Alexander Logemann, Gyöngyi Kökönyei, Raissa Negrao</p>	<p>O3-2: Decision-making Location: Room 3 Chair: Vanessa Era Chair: Daniel Pumo</p> <p>The Neurobiological Craving Signature (NCS) predicts social craving and responds to social isolation <u>Ana Defendini</u>, Livia Tomova, Leonie Koban</p>	<p>O3-3: Social interaction Location: Room 8B Chair: Piero Lamia Chair: Michela De Ventura</p> <p>Inside the frontal face network: multimodal evidence for distinct emotional and motor resonance circuits <u>Marzio Gerbella</u>, Beatrice DeNegri, Luciano Simone, Fausto Caruana, <u>Marzio Gerbella</u></p>
	<p>Modulating pain through the embodiment of interoceptive signals: The contribution of virtual vicarious affective touch and breathing in fibromyalgia. <u>Maddalena Beccherle</u>, Martina Fusaro, Fabio Aurelio D'Asaro, Elena Saccoman, Salvatore Maria Aglioti, Valentina Moro</p>	<p>A body worth the effort: Reduced effort discounting in individuals with greater body image disturbance <u>Paul Mark Jenkinson</u>, Shen Yao Hsu, Athanasios Koukoutsakis, Patricia Lockwood, Matthew Apps, Aikaterini Fotopoulou</p>	<p>Time-frequency coordination in plant dyads: a non-neural model of synchrony <u>Bianca Bonato</u>, Valentina Simonetti, Umberto Castiello</p>
	<p>Domain-specific impairments in self-other distinction in borderline personality disorder: Evidence from a multi-center study <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>Is democracy worth the effort? <u>Olaf Borghi</u>, Manos Tsakiris, Mariana Von Mohr</p>	<p>From inter-brain synchrony to generalized empathy: the effects of inter-brain plasticity through dyadic neurofeedback <u>Mario Francis</u>, Andrey Markus, Simone Shamay-Tsoory</p>
		<p>The Role of Stress-Driven Multivariate Associations Between Brain Networks and Gut Microbiota</p>	<p>Why do we laugh when we get tickled? - Emotionally ambivalent</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

Aurélie 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 Kilteni

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 Pléту, Konstantina Kilteni

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; gla@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@unimercautorum.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**