

INTERNATIONAL CONFERENCE ON COGNITIVE NEUROSCIENCE



PROGRAM

ICON 2025
Porto, Portugal

15-20
SEPTEMBER

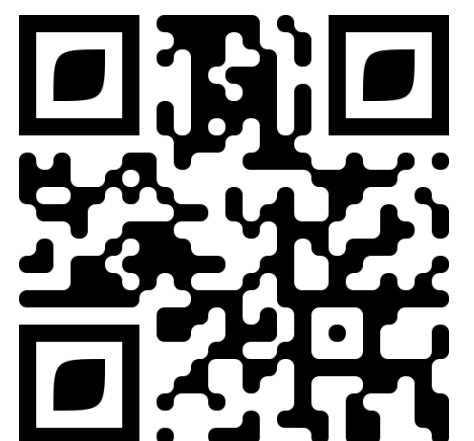
Welcome to ICON 2025

The **International Conference on Cognitive Neuroscience (ICON)** has been fostering scientific collaboration since its inception in 1980, becoming a cornerstone event in the field. **ICON 2025 in Porto, Portugal**, continues the tradition of excellence in scientific inquiry and interdisciplinary dialogue.

From exploring neuroimaging to delving into neurostimulation techniques and cognitive testing, ICON explores the intricate relationship between the human brain, mind, and behaviour across various topics. The conference features an extensive scientific program, including keynote lectures, symposia, and poster sessions, inviting researchers from diverse backgrounds to exchange their latest findings and methodologies, thus advancing our understanding of the neural basis of human cognition.

Welcome to Porto! During ICON 2025, immerse yourself in the excitement of scientific discovery, embrace the warmth of Portuguese hospitality, and marvel at the beauty of this coastal city. Get ready to be inspired, engaged, and fully immersed in the forefront of cognitive neuroscience research as ICON 2025 promises an intellectually stimulating experience.

ICON 2025 Organising Committee



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WHAT YOU WILL FIND HERE

- **ICON 2025 Program at a glance**
- **Detailed Scientific Program**
- **Poster presentation guidelines**
- **Poster sessions**

MONDAY 15/09

Overview

08:00–18:30	Registration
9:00–17:00	Pre-conference workshops
17:30–18:00	Opening Ceremony
18:00–19:00	Plenary talk: Gustavo Deco
19:00–20:00	Port wine & Conference Reception



Gustavo Deco
Institució Catalana de Recerca i Estudis
Avançats (ICREA) and Pompeu Fabra
University

THE COMPUTING BRAIN: *Explaining
cognition through a realistic whole-brain
anatomically constrained-reservoir
model*

PRE-CONFERENCE WORKSHOPS

9:00 – 12:45 room Sé

Brain Products

Integrated EEG and Facial Expression Analysis: From Signal to Insight

Speakers: Alexandra Felea (Brain Products) and Jordi Cortés (Bionic Ibérica)

9:00 – 14:00 room Clérigos

Atlantis Connectivity Toolbox

Directed connectivity analysis of EEG/MEG data

Speaker: Mirosław Wyczęsany, PhD

10:00 – 13:00
14:00 – 17:00 room Boavista

BESA

Source-level functional brain connectivity analysis with BESA Research: theory and hands-on application

Speakers: Mateusz Rusiniak and Harald Bornfleth

13:15 – 17:00 room Sé

Brainbox

Introduction to Non-Invasive Brain Stimulation

Speakers: Dan Phillips

14:30 – 16:00 room Clérigos

mBrainTrain

Conducting Hyperscanning EEG in Real-World Environments

Speakers: Stefan Urošević and Filip Rakas

16:30 – 17:00 room Clérigos

Cognition

From Lab to Cloud: How to Run Your Cognitive Experiments Online

Speakers: Elisabet Alzueta and Javier Vidal

MONDAY 15/09

17:30 OPENING CEREMONY auditorium

18:00 PLENARY TALK auditorium

Gustavo Deco

THE COMPUTING BRAIN: Explaining cognition through a realistic whole-brain anatomically constrained-reservoir model

The perhaps most important unsolved problem in neuroscience is how the brain survives in a complex world by performing a rich repertoire of computation on a minimal energy budget. The brain is much better at adapting to the multiplicity of stimuli and outcomes than current generations of computers, artificial neural deep learning and reservoir model architectures. Yet, at first glance the brain appears to use a fixed anatomical architecture to perform the necessary huge variety of computations. But evolution’s boldest trick is that in fact the brain’s effective connectivity is constantly being updated through neuromodulation to allow the rich repertoire of computation. Inspired by this, we created a whole-brain model using empirical neurotransmitter maps modulating the underlying local regional dynamics. This NEMO (neurotransmission modulated) whole-brain model is able to flexibly compute the full task repertoire and associated functional connectivity of the neuroimaging data from 971 healthy participants. For each individual we defined a measure of ‘brain computability’ as the fitting of the NEMO whole-brain model to all tasks performed by the individual. Importantly, brain computability correlates with both behavioural performance on individual tasks and with a general behavioural measure of intelligence. Overall, our proposed unifying NEMO framework offers a natural way to sculpt different brain dynamics in a fixed brain architecture to compute the rich repertoire of tasks required for surviving and thriving.

19:00 PORT WINE & CONFERENCE RECEPTION reception + balcony

TUESDAY 16/09

Overview

08:00–18:00	Registration
9:00–10:45	Parallel Symposia <i>Memory I</i> <i>Emotions & Social Cognition I</i> <i>Sensory Systems & Perception I</i>
10:45–11:45	Coffee break & Posters 1
11:45–12:45	Plenary talk: Uta Noppeney
12:45–13:45	Lunch
13:45–15:30	Parallel Symposia <i>Memory II</i> <i>Emotions & Social Cognition II</i> <i>Motor Systems & Functions I</i>
15:30–16:30	Coffee break & Posters 2
16:30–18:15	Parallel Symposia <i>Memory III</i> <i>Emotions & Social Cognition III</i> <i>Methods I</i>



Uta Noppeney
Donders Institute for Brain, Cognition and Behaviour, Radboud University

See what you hear: Making sense of the senses

9:00 PARALLEL SYMPOSIA

Sensory Systems & Perception I room Clérigos

SY04: *The Body Whispering to the Ear: How Self and Others' Bodily Signals Affect Auditory and Speech Processing*

Symposium organiser(s): Simone Gastaldon
Presenters: Irene Arrieta-Sagredo, Antonio Criscuolo, Matteo Maran, Andria Pelentritou, Giorgio Piazza

Memory I room Boavista

SY16: *The Electrophysiology Of Human Event Memory*

Symposium organiser(s): Marta Silva, Benjamin J. Griffiths
Presenters: Marta Silva, Benjamin J. Griffiths, Xiongbo Wu, Luca D. Kolibius, Casper Kerren, Anna Guttesen

Emotions & Social Cognition I room Sé

SY27: *Neural Circuits Of Emotion Regulation: From Mechanisms To Translational Applications*

Symposium organiser(s): Carles Soriano-Mas, Maria Picó-Pérez
Presenters: Carles Soriano-Mas, Maria Picó-Pérez, Miquel Àngel Fullana, Mafalda Machado de Sousa

10:45 POSTER SESSION 1 P 1.1 - 1.68 main hall 1st floor

11:45 PLENARY TALK auditorium

Uta Noppeney

See what you hear: Making sense of the senses

Adaptive behavior in a complex, dynamic, and multisensory world raises some of the most fundamental questions for neural processing, notably perceptual inference, decision making, learning, binding, attention and probabilistic computations. In this talk, I will present our recent behavioral, computational and neural research that investigates how the brain tackles these challenges. First, I will focus on how the brain solves the causal inference or binding problem, deciding whether signals come from common causes and should hence be integrated or else be processed independently. Combining psychophysics, Bayesian modelling and neuroimaging (fMRI, EEG) we show that the brain arbitrates between sensory integration and segregation consistent with the principles of Bayesian Causal Inference by dynamically encoding multiple perceptual estimates across the cortical hierarchy. Next, I will explore how prior expectations and attentional mechanisms can modulate sensory integration. Finally, I will show how causal inference influences how the brain dynamically adapts to changes in the external environment and its sensorium.

13:45 PARALLEL SYMPOSIA

Memory II auditorium

SY17: *Sudden Learning Across Systems*

Symposium organiser(s): Johannah Voeller, Carlos González García
Presenters: Johannah Voeller, Anika T. Löwe, Pablo Marcos Manchón, Andrea Greve, Juan Linde Domingo

Emotions & Social Cognition II room Clérigos

SY29: *Exploring Dehumanization: Neural, Developmental And Computational Perspectives*

Symposium organiser(s): Federica Meconi, Ermanno Quadrelli
Presenters: Lasana T. Harris, Elisa Roberti, Daniela Ruzzante, Jeroen Vaes, Harry Farmer

Motor Systems & Functions I room Sé

SY32: *Neuroscience and Architecture: A Conversation about the Impact of Built Environments on Cognition and Behaviour*

Symposium organiser(s): Giovanni Vecchiato
Presenters: Giovanni Vecchiato, Giorgia Guerra, Giorgia Committeri, Andrea Serino

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

16:30 PARALLEL SYMPOSIA

Memory III room Sé

SY20: Translational Contributions to Updating the Role of Sleep in Memory Consolidation

Symposium organiser(s): Judith Nicolas

Presenters: Aurélie Brécier, Judith Nicolas, Michael Hahn, Svenja Brodt

Emotions & Social Cognition III room Clérigos

SY34: Transdiagnostic Processes relevant to Mental Health Disorders: Exploring Psychophysiological and Neural Markers for Treatment Implications

Symposium organiser(s): Joana Coutinho

Presenters: Liliana Capitão, Joana Coutinho, Sónia Sousa, Marlene Nogueira, Beata Godlewska

Methods I auditorium

SY45: The Value of Methods of Analysis in Electrophysiology

Symposium organiser(s): Monica Wagner

Presenters: Monica Wagner, Mateusz Rusiniak, Gabriel Weindel, Yury Shtyrov

WEDNESDAY 17/09

Overview

08:00–18:00	Registration
9:00–10:45	Parallel Symposia <i>Executive Functions I</i> <i>Language & Music III</i> <i>Emotions & Social Cognition V</i>
10:45–11:45	Coffee break & Posters 3
11:45–12:45	Plenary talk: Giacomo Rizzolatti (online)
12:45–13:45	Lunch
13:45–15:30	Parallel Symposia <i>Executive Functions II</i> <i>Sensory Systems & Perception II</i> <i>Consciousness & Cognition I</i>
15:30–16:30	Coffee break & Posters 4
16:30–18:15	Parallel Symposia <i>Sensory Systems & Perception III</i> <i>Consciousness & Cognition II</i> <i>Language & Music IV</i>



Giacomo Rizzolatti
Department of Medicine and Surgery,
Neuroscience Unity, University of Parma

The mirror mechanism, empathy and motor rehabilitation

9:00 PARALLEL SYMPOSIA

Executive Functions I room Sé

SY15: From Adaptive to Maladaptive: Rethinking the Malleability of Pavlovian Bias in Decision-Making

Symposium organiser(s): Yulong Huang, Luigi Degni

Presenters: Yulong Huang, Luigi Degni, Emilio Cartoni, Sara Garofalo, Zhang Chen

Language & Music III auditorium

SY41: Social And Embodied Language Learning

Symposium organiser(s): Piia Astikainen

Presenters: Hyeonjeong Jeong, Xueqiao Li, Ana Zappa, Gal Rozic

Emotions & Social Cognition V room Clérigos

SY43: The Social Brain In Context: Neural Mechanisms Of Intergroup Morality, Memory, And Interaction

Symposium organiser(s): Paulo Sérgio Boggio

Presenters: Paulo Sérgio Boggio, Fernanda Naomi Pantaleão, Bruna Eugênia Ferreira Mota, Claudinei Biazoli Jr.

10:45 POSTER SESSION 3 P 3.1 - 3.69 main hall 1st floor

11:45 PLENARY TALK (online) auditorium

Giacomo Rizzolatti

The mirror mechanism, empathy and motor rehabilitation

Mirror mechanism is a basic neural mechanism that transforms sensory representations of others' actions into motor or visceromotor representations of the same actions in the brain of the observer. In the first part of my talk I will describe the functions of the mirror mechanism of the parieto-frontal network of monkeys and humans. I will show that this mechanism enables one to understand others in an immediate, phenomenological way, without recourse to cognitive inferential processing. In the second part of my talk I will discuss the role of the mirror mechanism in understanding vitality forms and basic emotions. The data on emotions will lead me to the last part of my talk where I will present stereo-EEG data on action, emotion recognition and empathy. I will conclude discussing the clinical application of the mirror mechanism (action observation therapy, AOT).

13:45 PARALLEL SYMPOSIA

Executive Functions II room Sé

SY09: Brain Beats - How Slow and Fast Oscillations Orchestrate Cognitive Functions

Symposium organiser(s): Yannik Hilla

Presenters: Yannik Hilla, Elisabeth V. C. Friedrich, Yifan Zeng, Charline Peylo, Larissa Behnke

Sensory Systems & Perception II room Clérigos

SY10: Investigating Cortical Temporal Predictions via Peripheral Measurements in Healthy and Clinical Populations

Symposium organiser(s): Alessandro Tavano, Marzia De Lucia

Presenters: Alessandro Tavano, Marzia De Lucia, Miriam Nokia, Shlomit Yuval-Greenberg, Gianpaolo Demarchi, Anne Keitel

Consciousness & Cognition I auditorium

SY11: Towards Robust and Reliable Cognitive Neuroscience: Meta-Scientific Perspectives

Symposium organiser(s): Laura-Isabelle Klatt, Christian Keitel

Presenters: Laura-Isabelle Klatt, Manuela Ruzzoli, Elena Cesnaite, Alina Koppold, Martina Kopcanova

15:30 POSTER SESSION 4 P 4.1 - 4.68 main hall 1st floor

16:30 PARALLEL SYMPOSIA

Sensory Systems & Perception III room Clérigos

SY18: *Internal states and neural fluctuations*

Symposium organiser(s): David Pascucci, Maëlan Q. Menétrey

Presenters: Maëlan Q. Menétrey, Ayelet N. Landau, Satu Palva, Veith Weilhhammer, David Whitney

Consciousness & Cognition II auditorium

SY24: *Integrating Distinct Viewpoints On The Neural Origins Of Metacognition*

Symposium organiser(s): Redmond O'Connell

Presenters: Nadine Dijkstra, Hans Kirschner, Lucie Charles, Daria Monackhovich, Nathan Favire

Language & Music IV room Sé

SY42: *Language And Music Processing: From Speech Perception To Reading Development*

Symposium organiser(s): Aino Sorsa

Presenters: Aino Sorsa, Nicola Molinaro, Erika Godde, Manon Zélie Aline Couvignou

THURSDAY 18/09

Overview

08:00–18:00	Registration
9:00–10:45	Parallel Symposia Memory IV Language and Music I Executive Functions IV
10:45–11:45	Coffee break & Posters 5
11:45–12:45	Plenary talk: Marta Garrido
12:45–13:45	Lunch
13:45–15:30	Parallel Symposia Language & Music II Executive Functions III Memory V
15:30–19:00	Social activity <i>Cultural afternoon at WOW</i>
20:00 – 23:00	Social Dinner <i>Sunset River Cruise& Dinner</i>



Marta Garrido
Melbourne School of Psychological Sciences;
Faculty of Medicine, Dentistry, and Health
Sciences University of Melbourne

The insight of blindsight

9:00 PARALLEL SYMPOSIA

Language & Music I auditorium

SY07: Challenges and Opportunities for Studying Neural Processing of Real-Life Speech

Symposium organiser(s): Elana Zion Golumbic

Presenters: Elana Zion Golumbic, Martin Bleichner, Laura Gwilliams, Martin Orf, Tom Francart

Memory IV room Clérigos

SY25: Episodic Memory In The Alzheimer's Disease Continuum: Neural Correlates And Potential Interventions

Symposium organiser(s): Santiago Galdo-Alvarez

Presenters: Santiago Galdo-Alvarez, Sara Basanta-Torres, Kenia S. Correa-Jaraba, Benjamín Varela-López

Executive Functions IV room Sé

SY46: Brain Signatures of Alcohol Use: From Prediction to Intervention

Symposium organiser(s): Eduardo López-Caneda

Presenters: Eduardo López-Caneda, Alberto del Cerro-León, Rui Rodrigues, Sónia Sousa, Jorge Martins, Natália Almeida-Antunes

10:45 POSTER SESSION 5 P 5.1 - 5.68 main hall 1st floor

11:45 PLENARY TALK auditorium

Marta Garrido

The insight of blindsight

Much of what we know about brain circuitry for human vision comes from neuroimaging studies and investigations on people with brain damage. A remarkable example are the studies in blindsight patients, who despite being blind after injury to their primary visual cortex (V1), display remarkable visual abilities. Indeed, blindsight patients can navigate through obstacles, detect motion, and correctly identify emotion in unseen faces. A possible explanation for this apparent paradox is that visual information is conveyed from subcortical structures to other cortical regions, bypassing V1. In this talk, I will present converging evidence from a diverse range of neuroimaging techniques and large data sets, which show this is the case for behavioural salient stimuli charged with motion and emotion information. I propose that the brain circuitry underpinning such residual vision, albeit without awareness, relies on brain shortcuts. These shortcuts may be a means for expediency of information processing and a useful alternative for the preservation and rehabilitation of critical visual functions after brain insult.

13:45 PARALLEL SYMPOSIA

Language & Music II auditorium

SY13: Shared and Distinct Auditory Competencies in Language and Music Processing across the Lifespan

Symposium organiser(s): Anne Kösem, Barbara Tillmann

Presenters: Anne Kösem, Barbara Tillmann, Sahar Moghimi, Julie Camici, Anne Caclin, Anna Fiveash, Anahita Basirat

Executive Functions III room Sé

SY23: Decision Signal(s) In The Electro-encephalogram

Symposium organiser(s): Jelmer P. Borst, Leendert van Maanen

Presenters: Gabriel Weindel, Tarryn Balsdon, Hu Chuan-Peng, Michael Nunez, Redmond O’Connell

Memory VI room Clérigos

SY40: Fast Dynamics Of Episodic Memory Representations: Evidence From Human Intracranial EEG

Symposium organiser(s): Manuela Costa, Daniel Pacheco-Estefan

Presenters: Manuela Costa, Daniel Pacheco-Estefan, Lluís Fuentemilla, Sze Chai Kwok, Robin Hellerstedt

FRIDAY 19/09

Overview

08:00–18:00	Registration
9:00–10:45	Parallel Symposia <i>Sensory Systems & Perception IV</i> <i>Attention I</i> <i>Memory V</i>
10:45–11:45	Coffee break & Posters 6
11:45–13:30	Parallel Symposia <i>Sensory Systems & Perception V</i> <i>Attention II</i> <i>Development and Plasticity I</i>
13:30–14:30	Lunch
14:30–16:15	Parallel Symposia <i>Sensory Systems & Perception VI</i> <i>Emotions & Social Cognition IV</i> <i>Development and Plasticity II</i>
16:15–17:15	Coffee break & Posters 7
17:15–18:15	Plenary talk: Todd Braver (online)



Todd Braver
Department of Psychological and Brain Sciences, Stuckenberg Chair of Human Values & Moral Development, Washington University
Neural mechanisms of cognitive control

9:00 PARALLEL SYMPOSIA

Attention I auditorium

SY08: How much do (micro) eye movements mediate well-known links between EEG-alpha oscillations and cognition?

Symposium organiser(s): Tzvetan Popov, Freek van Ede
Presenters: Tzvetan Popov, Freek van Ede, Gabriela Cruz, Yali Pan

Sensory Systems & Perception IV room Clérigos

SY21: State Dependencies of Brain-body Interactions in Health and Disease

Symposium organiser(s): Daniel Kluger, Tahnée Engelen
Presenters: Daniel Kluger, Tahnée Engelen, Thomas Schreiner, Leah Banellis, Anke Karabanov

Memory V room Sé

SY22: Rhythmic Sensory Stimulation As A Non-invasive Read-out And Write-in Tool For Cognitive Neuroscience

Symposium organiser(s): Laura Hainke, Eleonora Marcantoni
Chair: Simon Hanslmayr
Presenters: Laura Hainke, Eleonora Marcantoni, James Dowsett, Marcel S. Kehl, Charline Peylo, Annabelle Singer

10:45 POSTER SESSION 6 P 6.1 - 6.68 main hall 1st floor

11:45 PARALLEL SYMPOSIA

Sensory Systems & Perception V room Clérigos

SY26: Recent Developments in Bodily Self-awareness Research: neural and Cognitive Mechanisms

Symposium organiser(s): Sara Coppi
Presenters: Sara Coppi, Marie Chancel, Heather Iriye, Mariano D’Angelo, Renzo Lanfranco, Valeria Peviani

Attention II room Sé

SY28: Neuromodulatory Influences On Aging Cognition: Novel Measurement And Intervention Approaches In Health And Disease

Symposium organiser(s): Martin J. Dahl
Presenters: Martin J. Dahl, Marieke L. Weijs, Sarah N. Meissner, Julian Q. Kosciessa, Claire O’Callaghan, Prokopis C. Prokopiou

Development and Plasticity I auditorium

SY31: Individual reading skills and learning dynamics

Symposium organiser(s): Ariane Tretow
Presenters: Ariane Tretow, Jarmo Hämäläinen, Heidi Pesonen, Milene Bonte, Rahel Wombacher

14:30 PARALLEL SYMPOSIA

Sensory Systems & Perception VI room Clérigos

SY30: Exploring Self-Generation Effects Across Sensory Modalities: Neural Mechanisms and Clinical Implications

Symposium organiser(s): Iria SanMiguel
Presenters: Iria SanMiguel, Ana Pinheiro, Konstantina Kilteni, Bianca van Kemenade, Thomas Whitford

Development and Plasticity II auditorium

SY33: The learning brain across the lifespan: neural resources, imaging indicators and relevance for cognitive competence

Symposium organiser(s): Tiina Parviainen
Presenters: Tiina Parviainen, Riikka Möttönen, Weiyong Xu, Yi-Fang Hsu

Emotions & Social Cognition IV room Sé

SY35: Social Cognition: From Interpersonal Distance To Social Dynamics Through A Neuroscience Approach

Symposium organiser(s): Jean Louis Nandrino, Adriana Sampaio
Presenters: Lucie Lengart, Angela Bartolo, Natividade C. Pereira, Louise Ramadas

16:15 POSTER SESSION 7 P 7.1 - 7.67 main hall 1st floor

17:15 PLENARY TALK (online) auditorium

Todd Braver

Neural mechanisms of cognitive control

Research in my lab investigates the neural mechanisms that give rise to successful cognitive control: the ability to regulate thoughts and actions in an intelligent, goal-directed manner. We have argued that such mechanisms, which involve a network of brain regions centered on the lateral prefrontal cortex, can operate in either a proactive (i.e., anticipatory / sustained) or reactive (i.e., transient and stimulus-triggered) mode. This framework thus emphasizes the importance of examining temporal dynamics in the neural mechanisms of cognitive control. I'll discuss recent work examining this framework, including findings that have come out of our larger-scale Dual Mechanisms of Cognitive Control project, as well as our newest efforts to implement a precision neuroscience approach to identify reliable proactive and reactive control signatures within single individuals.

SATURDAY 20/09

Overview

9:00–10:45	Parallel Symposia <i>Emotions & Social Cognition VI</i> <i>Invited Talks I</i> <i>Invited Talks II</i>
10:45–11:45	Coffee break & Posters 8
11:45–12:15	Farewell & MDPI Neurosciences Journals Cluster Best Poster Award

9:00 PARALLEL SYMPOSIA

Emotions & Social Cognition VI auditorium

SY44: The Many Faces Of Anger: Exploring Its Cognitive, Subjective, And Psychophysiological Dimensions

Symposium organiser(s): Liliana Capitão
Presenters: Marlene Nogueira, Fátima Saraiva, Natividade C. Pereira, Catarina Fagundes

Invited Talks I room Clérigos

IT 1 | Pinging Reveals Hidden Neural Representations During The Intertrial Interval That Relate To Switch Costs: An MEG/EEG Decoding Study

Presenter: Yuena Zheng
IT 2 | You Should Also Take Cognitive Effects Into Account When Evaluating Motor Cortical Excitability In Parkinson's Disease
Presenter: Pierre Cabaraux

IT 3 | Large-scale Cortical Networks Are Organised In Structured Cycles
Presenter: Mats W. J. van Es

IT 4 | Cognitive Performance Across Pregnancy: A Longitudinal Mixed-model Study With Never-pregnant Comparisons
Presenter: Cristiana Júlio Oliveira
IT 5 | The effects of respiration-locked TMR on the consolidation of memories
Presenter: Esteban Bullón Tarrasó

Invited Talks II room Sé

IT 6 | Differential Connectivity Of The Theory Of Mind Network During Social Perception Of Geometric Animations In Autism
Presenter: Teresa Sousa
IT 7 | Characterizing Word Processing On The Individual Subject Level With Multi-echo Fmri
Presenter: Eva Steckermeier
IT 8 | The Social Mind On A Timeline: Neural Signatures Of Mentalization
Presenter: Carolina Biasiotti
IT 9 | Harnessing the Hippocampus: Feasibility and Mechanisms of Real-time fMRI Neurofeedback Training for Activity Upregulation
Presenter: Sterre C.N. van de Langenberg
IT 10 | Leveraging Open-source M/eegs To Identify Oscillatory Changes In Parkinson's Disease
Presenter: Hamzeh Norouzi

10:45 POSTER SESSION 8 P 8.1 - 8.61 main hall 1st floor

11:45 FAREWELL & MDPI NEUROSCIENCES JOURNALS CLUSTER BEST POSTER AWARD auditorium

POSTER SESSIONS

POSTER SESSIONS

POSTER PRESENTATION GUIDELINES

Poster Size and Format

Dimensions: Standard Poster Size - **A0 (841 mm x 1189 mm)**, portrait orientation.

Font:

Use a clear, readable fonts such as Arial or Helvetica. Font sizes should be large enough for legibility from a distance (at least 24 pt for the body text, 48 pt for the title).

Content Layout:

Title: Same as abstract. Include the authors and affiliations.

Sections: Clearly divided sections such as Introduction, Methodology, Results, Conclusion, and References.

Figures and Tables: Ensure high-quality images and tables with clear labels. Graphs and charts should be readable and informative.

Keep text concise and focused—avoid overwhelming the poster with too much detail.

Presentation Guidelines

Poster Session: Check your poster session and poster number in the Program.

Poster Setup: Presenters are expected to set up their posters **at least 30 minutes before the start of the session**. Every poster has a panel assigned, **marked with the poster number**. You will be provided with pushpins or tape to mount your poster.

Presenter Availability: Presenters must be present at their posters during the designated poster session time to answer questions and engage with conference participants.

Best Poster Award

A panel of judges will evaluate pre-selected posters, based on their previous abstract evaluation scores. Prizes will be awarded for the Best Poster and two Honourable Mentions. The winners will be announced during the MDPI Neurosciences Journals Cluster Best Poster Award ceremony on **20 September**.

P1.01 | Eeg Functional Connectivity In Force-field Motor Adaptation After Stroke

Adela Desowska (Department of Clinical Neuroscience, IoPPN, Kings College London); **Duncan L. Turner** (Department of Clinical Neuroscience, IoPPN, Kings College London; School of Health, Sport and Bioscience, University of East London, London, UK)

P1.02 | Low Attentional States Trigger Perceptual Filling-in

Anna Razafindrahaba (Maastricht University); Peter de Weerd (Maastricht University); **Mark J. Roberts** (Maastricht University)

P1.03 | Exploring The Interplay Between Oculomotor Activity And Memory Trace Consolidation In Working Memory Under Transcranial Direct Current Stimulation

Esteban Sarrias-Arrabal (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain); **E. Luis Sánchez-Fernández** (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain); **Paloma Macías-García** (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain); **Jesús Sánchez-del Solar** (Neurology Department, Puerta del Mar University Hospital, INIBICA, Cadiz, Spain); **Livia Pascally-Torres de Oliveira** (Psychology Department, University of Cadiz, Spain); **M. Mar Morales-Ávila** (Psychology Department, University of Cadiz, Spain); **Álvaro González-Moraleda** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain); **Elena Lozano-Soto** (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain); **Raúl Espinosa-Rosso** (Neurology Department, Puerta del Mar University Hospital, INIBICA, Cadiz, Spain); **Álvaro J. Cruz-Gómez** (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain); **Florencia Sanmartino** (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain); **Javier J. González-Rosa** (Institute of Biomedical Research Cadiz (INIBICA), University of Cadiz, Cadiz, Spain)

P1.04 | Age-related Differences In Familiarity-based Memory: Cognitive Patterns And Neural Mechanisms Across The Lifespan

Haoran Guan (Andrew Mayes Centre for Cognitive Neuroscience, University of Manchester); **Rowan Lawrence** (Andrew Mayes Centre for Cognitive Neuroscience, University of Manchester); **Darya Frank** (Andrew Mayes Centre for Cognitive Neuroscience, University of Manchester); **Charlotte Hunt** (Andrew Mayes Centre for Cognitive Neuroscience, University of Manchester); **Daniela Montaldi** (Andrew Mayes Centre for Cognitive Neuroscience, University of Manchester)

P1.05 | Are You Heartbroken Or Devastated? Distinct Neural Substrates Of Visceral Expressions Of Emotion And General Emotion Labels

Hyongsun Kim (Graduate School of International Cultural Studies, Tohoku University, Japan); **Motoaki Sugiura** (Institute of Development, Aging and Cancer, Tohoku University, Japan); **Hyeonjeong Jeong** (Graduate School of International Cultural Studies, Tohoku University, Japan)

10:45 POSTER SESSION 1 P 1.1 - 1.68 main hall 1st floor

P1.06 | The role of the amygdala in Intimate Partner Violence: a neuroimaging study with offender and non-offender males

Joana Oliveira (Faculty of Medicine (FMUC), University of Coimbra, Coimbra, Portugal; Coimbra Institute for Biomedical Imaging and Translational Research/ Institute for Nuclear Sciences Applied to Health, University of Coimbra, Coimbra, Portugal); **Isabel Catarina Duarte** (Coimbra Institute for Biomedical Imaging and Translational Research/ Institute for Nuclear Sciences Applied to Health, University of Coimbra, Coimbra, Portugal); **Salomé Caldeira** (Coimbra Institute for Biomedical Imaging and Translational Research/ Institute for Nuclear Sciences Applied to Health, University of Coimbra, Coimbra, Portugal; Centre for Prevention and Treatment of Psychological Trauma (CPTTP)/ Family Violence Unit (UVF), Department of Psychiatry/CRI de Saúde Mental, Coimbra Local Health Unit (ULS de Coimbra), Coimbra, Portugal; Clinical Psychology Unit, Coimbra Local Health Unit (ULS de Coimbra), Coimbra, Portugal); **Tiago Santos** (Coimbra Institute for Biomedical Imaging and Translational Research/ Institute for Nuclear Sciences Applied to Health, University of Coimbra, Coimbra, Portugal; Centre for Prevention and Treatment of Psychological Trauma (CPTTP)/ Family Violence Unit (UVF), Department of Psychiatry/CRI de Saúde Mental, Coimbra Local Health Unit (ULS de Coimbra), Coimbra, Portugal); **João Redondo** (Coimbra Institute for Biomedical Imaging and Translational Research/ Institute for Nuclear Sciences Applied to Health, University of Coimbra, Coimbra, Portugal; Psychiatrist, Coimbra, Portugal); **Miguel Castelo-Branco** (Faculty of Medicine (FMUC), University of Coimbra, Coimbra, Portugal; Coimbra Institute for Biomedical Imaging and Translational Research/ Institute for Nuclear Sciences Applied to Health, University of Coimbra, Coimbra, Portugal)

P1.07 | Dissociating Prosodic From Syntactic Delta Activity During Natural Speech Comprehension

Nikos Chalas (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany); **Lars Meyer** (Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany); **Chia-Wen Lo** (Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany); **Hyojin Park** (Centre for Human Brain Health (CHBH), School of Psychology, University of Birmingham, Birmingham); **Daniel S. Kluger** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany); **Omid Abbasi** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany); **Christoph Kayser** (Department for Cognitive Neuroscience, Faculty of Biology, Bielefeld University, 33615 Bielefeld, Germany); **Robert Nitsch** (Institute for Translational Neuroscience, University of Münster, Münster, Germany); **Joachim Gross** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany)

P1.08 | Testing The Flexible Adaptation Of Task Representations Under Shifting Demands

Paula Pena (Mind, Brain and Behavior Research Center (CIMCYC), University of Granada, Spain); **Ettore Ambrosini** (Department of Neuroscience, University of Padova, Italy); **María Ruz** (Mind, Brain and Behavior Research Center (CIMCYC)); **Ana F. Palenciano** (Mind, Brain and Behavior Research Center (CIMCYC), University of Granada, Spain)

P1.09 | Non-friends In Shared Social Networks Produce Greater Force And Attentional Engagement Relative To Friends During Triadic Coordination

Qianliang Li (Technical University of Denmark); **Kyveli Kompatsiari** (Technical University of Denmark); **Aliaksandr Dabranau** (Technical University of Denmark); **Ivana Konvalinka** (Technical University of Denmark)

P1.10 | Mid-level Arousal Facilitates Optimal Behavioral State In Humans And Mice

Stijn Nuiten (University of Basel); **Matthijs Oude Lohuis** (Champalimaud Foundation); **Anna-Chiara Schaub** (University of Basel); **Simon van Gaal** (University of Amsterdam); **Umberto Olcese** (University of Amsterdam); **Cyriel Pennartz** (University of Amsterdam); **Jan Willem de Gee** (University of Amsterdam)

10:45 POSTER SESSION 1 P 1.1 - 1.68 main hall 1st floor

P1.11 | Thalamic Oscillations Distinguish Natural States Of Consciousness In Humans

Aditya Chowdhury (Department of Psychology, Ludwig-Maximilians-Universität München, Munich, Germany); **Elisabeth Kaufmann** (Department of Neurology, LMU University Hospital, LMU Munich, Munich, Germany); **Thomas Schreiner** (Department of Psychology, Ludwig-Maximilians-Universität München, Munich, Germany); **Thomas Koeglsperger** (Department of Neurology, LMU University Hospital, LMU Munich, Munich, Germany); **Jan-Hinnerk Mehrkens** (Department of Neurosurgery, Ludwig-Maximilians-Universität München, Munich, Germany); **Jan Remi** (Department of Neurology, LMU University Hospital, LMU Munich, Munich, Germany); **Christian Vollmar** (Department of Neurology, LMU University Hospital, LMU Munich, Munich, Germany); **Tobias Staudigl** (Department of Psychology, Ludwig-Maximilians-Universität München, Munich, Germany)

P1.12 | Environmental Uncertainty Modulates Pavlovian Bias Over Decision Making

Danti Claudio (University of Bologna); **Degni Luigi** (University of Bologna); **Mattioni Lorenzo** (University of Bologna); **Starita Francesca** (University of Bologna); **Garofalo Sara** (University of Bologna); **di Pellegrino Giuseppe** (University of Bologna)

P1.13 | Plasticity Induction By Targeting White Matter With Transcranial Ultrasound Stimulation

Dylan Curtin (Monash University); **Juhi Walinjar** (Monash University); **Joshua Hendrikse** (Monash University); **James Coxon** (Monash University)

P1.14 | Meg Signatures Of Perceived Conflict And No Conflict With Peer And Expert Opinions

Fatemeh Irani (university of jyväskylä); **Pessi Lyyra** (university of jyväskylä); **Joona Muotka** (university of jyväskylä); **Tiina Parviainen** (university of jyväskylä); **Simo Monto** (university of jyväskylä)

P1.15 | The Impact And Timing Of Gender Expectations During Face Perception Is Modulated By Task Contexts

Francisco Gutiérrez-Blanco (Mind, Brain and Behavior Research Center (CIMCYC), University of Granada, Spain); **Ana F. Palenciano** (Mind, Brain and Behavior Research Center (CIMCYC), University of Granada, Spain); **Carlos González-García** (Mind, Brain and Behavior Research Center (CIMCYC), University of Granada, Spain); **María Ruz** (Mind, Brain and Behavior Research Center (CIMCYC), University of Granada, Spain)

P1.16 | The Interplay Between Experimental Heat Pain And Non-invasive Stimulation Of The Medial Prefrontal Cortex On Reinforcement Learning With Manipulated Outcome Contingencies

Gabor Csifcsak (UiT The Arctic University of Norway, Tromsø, Norway); **Samy Babiker** (UiT The Arctic University of Norway, Tromsø, Norway); **Federica Luzzi** (Department of Neuroscience and Rehabilitation, University of Ferrara, Ferrara, Italy); **Matthias Mittner** (UiT The Arctic University of Norway, Tromsø, Norway)

P1.17 | Voices From Within — Auditory Feedback Control Of Speech Can Be Modulated Using Classical Conditioning

Henry Railo (University of Turku); **Matleena Halla** (University of Turku); **Elli Peromaa** (University of Turku)

10:45 POSTER SESSION 1 P 1.1 - 1.68 main hall 1st floor

P1.18 | Construction Of A Simulation-based Dual-task Mental Fatigue-induction Paradigm For Pilots

Hu Yiwen (Air Force Medical Center, Beijing, China); **Zhu Yuyang** (Air Force Medical Center, Beijing, China); **Liu Xin** (Air Force Medical Center, Beijing, China); **Xie Duo** (Air Force Medical Center, Beijing, China)

P1.19 | Creative Minds At Work: Oscillations Signature Of Associative And Dissociative Thinking

Khaoula Ennahli (Instituto Universitário de Lisboa (ISCTE)); **Cristiane Souza** (Instituto Universitário de Lisboa (ISCTE)); **Margarida Vaz Garrido** (Instituto Universitário de Lisboa (ISCTE))

P1.20 | Delta-band Inter-brain Synchrony Tracks Shared Audience Engagement With Live Dance Performances

Laura Rai (Institute of Cognitive Neuroscience, University College London); **Hennie Lee** (Goldsmiths, University of London, United Kingdom); **Emma Becke** (Max Planck Institute for Empirical Aesthetics, Germany); **Carlos Trenado** (Max Planck Institute for Empirical Aesthetics, Germany); **Sonia Abad-Hernando** (Goldsmiths, University of London, United Kingdom); **Matthias Sperling** (Independent Artist & Choreographer); **Diego Vidaurre** (enter of Functionally Integrative Neuroscience, Aarhus University, 6 University College London, United Kingdom); **Melanie Wald-Fuhrmann** (Max Planck Institute for Empirical Aesthetics, Germany); **Daniel C. Richardson** (University College London, United Kingdom); **Jamie A Ward** (Goldsmiths, University of London, United Kingdom); **Guido Orgs** (Institute of Cognitive Neuroscience, University College London)

P1.21 | The Influence of Rehearsal on Memory Precision and Stability

Lena Schroeder (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Svenja Klinkowski** (University of Tübingen, Tübingen, Germany); **Miles Keating** (Graduate Training Centre of Neuroscience, Tübingen, Germany); **Sebastian Müller** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Svenja Brodt** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany)

P1.22 | Identifying brains through natural frequency fingerprinting

Lydia Arana (Universidad Autónoma de Madrid); **Juan José Herrera-Morueco** (Universidad Autónoma de Madrid); **Javier Santonja** (Universidad Autónoma de Madrid); **Almudena Capilla** (Universidad Autónoma de Madrid)

P1.23 | The compositional structure of the alpha rhythm

Maëlan Q. Menétrey (Department of Radiology, Lausanne University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland; The Sense Innovation and Research Center, Lausanne, Switzerland); **David Pascucci** (Department of Radiology, Lausanne University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland; The Sense Innovation and Research Center, Lausanne, Switzerland)

P1.24 | Attention And Explicit Knowledge Drive Sharpening In Early Visual Processing

Marc Sabio-Albert (University of Barcelona); **David Richter** (University of Granada); **Lluís Fuentemilla** (University of Barcelona); **Alexis Pérez-Bellido** (Autonomous University of Barcelona)

P1.25 | Long-term Dynamics of Neuronal Representations of Natural Stimuli in Human 7T fMRI

Maya Salomon-Hazut (Weizmann Institute of Science); **Yaniv Ziv** (Weizmann Institute of Science); **Michal Ramot** (Weizmann Institute of Science)

P1.26 | Inner Speech Propensity Predicts Phase-locked And Non-phase-locked Electrophysiological Activity During Cued Object Recognition

Priscila B Borges (University of Vienna); **Jutta L Mueller** (University of Vienna)

P1.27 | Arithmetic-Responsive Regions Do Not Respond Differently to Nominal and Cardinal Numeral Processing

Shermine Lau (Nanyang Technological University); **Ngieng Shih Yang** (Nanyang Technological University); **Darren Yeo** (Nanyang Technological University)

P1.28 | A Comparative Study Of Eeg Protocols For Sensory Processing Investigation: Frequency Tagging Versus Component Analysis

Solène Voynet (iBraIN, Inserm, University of Tours, France); **Marie Gomot** (iBraIN, Inserm, University of Tours, France); **Marianne Latinus** (iBraIN, Inserm, University of Tours, France); **Claire Wardak** (iBraIN, Inserm, University of Tours, France); **Louise Trocmet** (iBraIN, Inserm, University of Tours, France)

P1.29 | Oscillatory Theta, But Not Alpha Phase Biases Categorisation Without Influencing Visual Detection Or Categorisation Accuracy

Tara Kütke (Department of Cognitive Neuroscience, Maastricht University); **Felix Duecker** (Department of Cognitive Neuroscience, Maastricht University); **Melvin Eckert** (Department of Cognitive Neuroscience, Maastricht University); **Alexander T. Sack** (Department of Cognitive Neuroscience, Maastricht University); **Sanne Ten Oever** (Department of Cognitive Neuroscience, Maastricht University)

P1.30 | Eeg/erp Visualization Package Unfoldmakie.jl And Uncertainty Visualisation In Topoplots

Vladimir Mikheev (University of Stuttgart); **Benedikt Ehinger** (University of Stuttgart)

P1.31 | Memory Through An Empathic Lens: Investigating The Relationship Between Trait Empathy And Episodic Memory

Annabel Rowney-Smith (University of Sussex); **Kasia M Mojescik** (University of Sussex); **Atusa J Saeipour** (University of Sussex); **Jessica Daly** (University of Sussex); **Sam C Berens** (University of Sussex); **Alberto Mariola** (University of Sussex); **Flavia De Luca** (University of Sussex); **Jon S Simons** (University of Cambridge); **Maureen Ritchey** (Boston College); **Chris M Bird** (1 University of Sussex)

P1.32 | Vocal Smile Processing In Autism: Intact Representation But No Facial Reactivity

Annabelle Merchie (ACTE at ULB Neuroscience Institute, Université Libre de Bruxelles); **Zoé Ranty** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBraIN U1253); **Claire Wardak** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBraIN U1253); **Nadia Aguilon-Hernandez** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBraIN U1253); **Frédérique Bonnet-Brilhault** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBraIN U1253); **Emmanuelle Houy-Durand** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBraIN U1253); **Jean-Julien Aucouturier** (Université de Franche-Comté, SUPMICROTECH, CNRS, institut FEMTO-ST); **Marie Gomot** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBraIN U1253)

P1.33 | Shaping Defensive Peripersonal Space And Comfortable Space Around The Feet: The Role Of Affective Valence

Aolong Xu (GHENT UNIVERSITY); **Durk Talsma** (GHENT UNIVERSITY)

P1.35 | The Effects Of Attentional Engagement On Eeg Markers Of Boredom

Eri Miyauchi (Institute of Systems and Information Engineering, University of Tsukuba); **Masahiro Kawasaki** (Institute of Systems and Information Engineering, University of Tsukuba)

P1.36 | Alterations in the Microscopic Organization of Movement in Psychosis and Cannabis Use

Filippo Pasqualitto (University of Ferrara, Department of Neuroscience and Rehabilitation, Section of Physiology); **Angela Muscettola** (University of Ferrara, Department of Neuroscience and Rehabilitation, Institute of Psychiatry); **Cecilia Gabelli** (University of Ferrara, Department of Neuroscience and Rehabilitation, Section of Physiology); **Giovanni Nazzaro** (Italian Institute of Technology, Center for Translational Neurophysiology of Speech and Communication); **Giovanni Antonio De Bellis** (University of Ferrara, Department of Neuroscience and Rehabilitation, Institute of Psychiatry); **Martino Belvederi Murri** (University of Ferrara, Department of Neuroscience and Rehabilitation, Institute of Psychiatry); **Luciano Fadiga** (Italian Institute of Technology, Center for Translational Neurophysiology of Speech and Communication); **Alice Tomassini** (University of Ferrara, Department of Neuroscience and Rehabilitation, Section of Physiology); **Alessandro D'Ausilio** (University of Ferrara, Department of Neuroscience and Rehabilitation, Section of Physiology)

P1.37 | Harnessing Generative AI For Mnemonic Pattern Separation Research: A Novel Stimulus Set Featuring Naturalistic Images With Systematically Varied Similarity

Gustaf Rådman (Department of Clinical Sciences Lund, Lund University, Lund, Sweden); **Mikael Johansson** (Department of Psychology, Lund University, Lund, Sweden); **Rosanna Olsenlogy** (Baycrest Academy for Research and Education, University of Toronto, Toronto, Canada)

P1.38 | Assessing The Preferred Route Of Breathing For Coordinating Sleep Oscillations And Memory Consolidation

Jialin April Zhao (Ludwig-Maximilians-Universität München, München, Germany); **Tobias Staudigl** (Ludwig-Maximilians-Universität München, München, Germany); **Thomas Schreiner** (Ludwig-Maximilians-Universität München, München, Germany)

P1.39 | Sensorimotor Integration During Grasping Is Mediated By Distinct M1 Circuits

Katia Botta (Università di Ferrara); **Elisa Dolfini** (Università di Ferrara); **Andrea Casarotto** (Istituto Italiano di Tecnologia (IIT)); **Giacomo Koch** (Fondazione Santa Lucia, Roma); **Alessandro D'Ausilio** (Università di Ferrara); **Luciano Fadiga** (Università di Ferrara)

P1.40 | The Influence of Musicianship on Selective Attention to Acoustic Features of Speech and Music in Noisy Environments

Li-Chuan Ku (Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain); **Christoforos Souganidis** (Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain; HiTZ Basque Center for Language Technology - Aholab Signal Processing Laboratory, University of the Basque Country UPV/EHU, Bilbao, Spain); **Noemi Bonfiglio** (Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain; University of the Basque Country – UPV/EHU, Donostia-San Sebastián, Spain); **Nicola Molinaro** (Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain; Ikerbasque, Basque Foundation for Science, Bilbao, Spain)

P1.41 | The Dynamics Of Learning: The Role Of Predictability And Stimulus Type

Magda Gawłowska (Jagiellonian University)

P1.42 | Clinical Expertise Modulates The Anticipation Of Others' Pain Expressions

Manon Kapustka-Véret (Université Paris Saclay, CNRS, LISN, CIAMS, 91190 Gif-sur-Yvette, France); **Elise Prigent** (Université Paris Saclay, CNRS, Laboratoire Interdisciplinaire des Sciences du Numérique, 91190 Gif-sur-Yvette, France); **Thomas Deroche** (Université Paris Saclay, Complexité Innovation Activités Motrices et Sportives, 91190 Gif-sur-Yvette, France)

P1.43 | Auditory Mismatch Negativity Can Identify Patients With Alzheimer's Disease From Healthy Controls And Track Disease Progression Over Time

Marlou Nadine Perquin (University of Cambridge); **Juliette H Lanskey** (University of Cambridge); **Melek Karadag** (University of Cambridge); **Ece Kocagoncu** (University of Cambridge); **Andrew J Quinn** (University of Birmingham; University of Oxford); **Jemma Pitt** (University of Oxford); **Mats van Es** (University of Oxford); **Cara Alcock** (University of Oxford); **Chun Shen** (Fudan University; University of Cambridge); **Alexandra Krugliak** (University of Cambridge); **Tony Thayanandan** (University of Oxford); **Haddy Fye** (University of Cambridge); **Stephen Lowe** (Johnson & Johnson Innovations); **Maarten Timmers** (Johnson & Johnson Innovations); **Vanessa Raymont** (University of Oxford); **Krish D Singh** (Cardiff University); **Mark Woolrich** (University of Oxford); **Anna C Nobre** (University of Oxford); **James B Rowe** (University of Cambridge); **the NTAD study group** (University of Cambridge; University of Oxford)

P1.44 | Short-reaching Prediction And Long-reaching Integration In Response To Negative Polarity Items During Sentence Comprehension

Mingya Liu (Humboldt University Berlin, Department of English and American Studies); **Juliane Schwab** (University of Osnabrück, Institute for Cognitive Sciences); **Thomas Gruber** (University of Osnabrück, Department of Psychology); **Jutta L. Mueller** (University of Vienna, Department of Linguistics)

P1.45 | The Role of Robo1 in Shaping Interhemispheric White Matter Pathways

Nea Rinne (University of Helsinki, Finland); **Tuija Tolonen** (Aalto University, Finland; University of Helsinki, Finland); **Elisa Sahari** (University of Turku, Finland); **Juha Salmi** (University of Oulu, Finland); **Elisabet Einarsdottir** (KTH-Royal Institute of Technology, Sweden); **Kimmo Alho** (University of Helsinki, Finland; Advanced Magnetic Imaging Centre, Finland); **Juha Kere** (University of Helsinki, Finland; Karolinska Institutet, Sweden); **Patrik Wikman** (University of Helsinki, Finland)

P1.46 | Does Music Training Change Brain Structure? A Systematic Review And Meta-analysis

Rafael Ramos Ribeiro (Universidade Católica Portuguesa); **Ana Isabel Correia** (Instituto Universitário de Lisboa (ISCTE-IUL)); **Maria Vânia Nunes** (Universidade Católica Portuguesa); **Joaquim Radua** (Institut d'Investigacions Biomèdiques August Pi Sunyer (IDIBAPS)); **César Lima** (Instituto Universitário de Lisboa (ISCTE-IUL))

P1.47 | Implicit Print Tuning After A Brief Symbol-sound Training Emerges First In The Inferior Parietal Lobule

Rahel Wombacher (Department of Child and Adolescent Psychiatry and Psychotherapy, University Hospital of Psychiatry, University of Zurich, Switzerland); **Gorka Fraga-González** (Department of Child and Adolescent Psychiatry and Psychotherapy, University Hospital of Psychiatry, University of Zurich, Switzerland); **Amelie Haugg** (Department of Child and Adolescent Psychiatry and Psychotherapy, University Hospital of Psychiatry, University of Zurich, Switzerland); **Silvia Brem** (Department of Child and Adolescent Psychiatry and Psychotherapy, University Hospital of Psychiatry, University of Zurich, Switzerland)

10:45 POSTER SESSION 1 P 1.1 - 1.68 main hall 1st floor

P1.48 | The Influence of Left Anodal dLPFC Stimulation on Effective Connectivity During Emotional Word Processing: A Combined 7T fMRI and HD-tDCS Study

Raphaela Schöpfer (University Hospital of Old Age Psychiatry and Psychotherapy, University of Bern, Bern, Switzerland/ Graduate School for Health Sciences, Faculty of Medicine, University of Bern, Bern, Switzerland/ Translational Imaging Center, sitem-insel, Bern University Hospital, Bern, Switzerland/ Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Yosuke Morishima** (Translational Research Center, University Hospital of Psychiatry and Psychotherapy, University of Bern, Switzerland); **Michael Orth** (University Hospital of Old Age Psychiatry and Psychotherapy, University of Bern, Bern, Switzerland/ Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Bern, Switzerland); **Katharina Klink** (University Hospital of Old Age Psychiatry and Psychotherapy, University of Bern, Bern, Switzerland/ Translational Imaging Center, sitem-insel, Bern University Hospital, Bern, Switzerland); **Romy Lorenz** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Sina Straub** (University Hospital of Old Age Psychiatry and Psychotherapy, University of Bern, Bern, Switzerland/ Translational Imaging Center, sitem-insel, Bern University Hospital, Bern, Switzerland); **Jessica Peter** (University Hospital of Old Age Psychiatry and Psychotherapy, University of Bern, Bern, Switzerland/ Translational Imaging Center, sitem-insel, Bern University Hospital, Bern, Switzerland)

P1.49 | Inter-individual Differences In The Development Of Visual Perception In Children

Sandali Nisansa Liyanagoonawardena (École Polytechnique Fédérale de Lausanne (EPFL)); **Simona Garobbio** (École Polytechnique Fédérale de Lausanne (EPFL)); **Michael Herzog** (École Polytechnique Fédérale de Lausanne (EPFL))

P1.50 | The Relationship Between Reading Ability And Cortical Tracking To Speech And Music

Sarah Allen (University of Dundee); **Stratos Koukouvini** (University of Glasgow); **Saara Varjopuro** (University of Turku); **Anne Keitel** (University of Dundee)

P1.51 | Interactions Between Motor And Declarative Memory Sequences On The Basis Of Order And Timing

Ms Sophie Thong (Monash University); **A/ Prof Trevor T-J Chong** (Monash University); **Dr Joshua Hendrikse** (Monash University); **A/ Prof James Coxon** (Monash University)

P1.52 | Ocular Exploration Of Social Scenes In ADHD Children

Vivien Rabadan (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBrain U1253, 37032, Tours, France); **Lou-Anne Mousset** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBrain U1253, 37032, Tours, France); **Nadia Aguilon-Hernandez** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBrain U1253, 37032, Tours, France); **Frédérique Bonnet-Brilhault** (EXcellence Center in Autism and neurodevelopmental disorders-Tours, Centre Universitaire de Pédiopsychiatrie, CHRU de Tours, Tours, France); **Hugo Zoppé** (EXcellence Center in Autism and neurodevelopmental disorders-Tours, Centre Universitaire de Pédiopsychiatrie, CHRU de Tours, Tours, France); **Pierre Castelnau** (Pediatric Neurology Unit, Clocheville Hospital, EXcellence Center in Autism and neurodevelopmental disorders-Tours, CHRU Tours, France); **Fanny Gollier-Briant** (Service de Psychiatrie et Développement, Enfants-Ados-Jeunes Adultes, CHU de Nantes, Nantes, France); **Claire Wardak** (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBrain U1253, 37032, Tours, France)

P1.53 | Distinct Mechanisms of Interoceptive Processing: a study with electrophysiological and behavioral indices

A. Ribeiro-Carreira (University of Minho); **Lídia Carvalho** (University of Minho); **M. Oliveira** (University of Minho); **Joana Coutinho** (University of Minho); **Adriana Sampaio** (University of Minho); **Alberto J. González-Villar** (University of Minho)

P1.54 | Visual Attention and Decision-making in Aging: Eye-tracking Biomarkers for Early Detection of Mild Cognitive Impairment

Alexandra Wolf (RIKEN Center for Advanced Intelligence Project (AIP))

P1.55 | Metacognition Reduces Confirmation Bias And Facilitates Changes Of Mind In Perceptual Decision Making

Alexis Pérez Bellido (Universitat Autònoma de Barcelona); **Rubén Moreno-Bote** (Universitat Pompeu Fabra); **Lluís Fuentemilla** (Universitat de Barcelona)

P1.57 | Breathing Phase Modulates Perception Of Affective Touch

Federica Meconi (University of Trento, Italy); **Veronika Alekseeva** (University of Trento, Italy); **Laura Crucianelli** (Centre for Brain and Behaviour, School of Biological and Behavioural Sciences, Queen Mary University of London, UK)

P1.58 | The Dimensionality Of Positive Valence

Gabriel Brandolini (University of Melbourne); **Olivia Carter** (University of Melbourne); **Peter Koval** (University of Melbourne)

P1.59 | Numerical Abilities And Cognitive Strategies As Predictors Of The Cognitive Functioning Level In Healthy Aging

Jakub Stupczewski (Nicolaus Copernicus University in Toruń, Doctoral School of Social Sciences, Toruń, Poland); **Małgorzata Gut** (Nicolaus Copernicus University in Toruń, Faculty of Philosophy and Social Sciences, Institute of Psychology, Toruń, Poland); **Jacek Matulewski** (Nicolaus Copernicus University in Toruń, Faculty of Physics, Astronomy and Informatics, Institute of Technological Sciences, Toruń, Poland); **Adam Tarnowski** (Nicolaus Copernicus University in Toruń, Faculty of Philosophy and Social Sciences, Institute of Psychology, Toruń, Poland)

P1.60 | Effects Of A Clinically Relevant Dose Of Imipenem On Memory, Neurogenesis, And Astrogliosis In The Hippocampus

Leonardo Araújo-Andrade (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto); **Bárbara Caetano-Mota** (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto); **Francisco Sousa** (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto); **Ana Silva** (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto); **Pedro A. Pereira** (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto); **Dulce Madeira** (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto); **Armando Cardoso** (Unidade de Anatomia - Departamento de Biomedicina da Faculdade de Medicina da Universidade do Porto)

P1.61 | Predicting Temporal Reproduction From Brain Activity during Sustained Motor Exertion

Lorenzo Guarnieri (Hebrew University of Jerusalem); **Ayelet N. Landau** (Hebrew University of Jerusalem)

P1.62 | Assessing Neural Entrainment Dynamics During Transcranial Alternating Current Stimulation With EEGC

Oscar Magnusson (Maastricht University, The Netherlands); **Alexander Sack** (Maastricht University, The Netherlands); **Inge Leunissen** (Maastricht University, The Netherlands); **Marie Poncelet** (Hasselt University, Belgium); **Niloofer Saleki** (University of Milano-Bicocca, Italy); **Sanne Ten Oever** (Maastricht University, The Netherlands)

P1.63 | Disruptive And Resistant: The Impact Of Negative Distractors In Visual Search

Sena Biberici (University Of Verona); **Carola Dolci** (University of Ghent); **Bianca Monachesi** (Sissa – Scuola Internazionale Superiore di Studi Avanzati); **Chiara Della Libera** (University of Verona); **Vera Ferrari** (University of Parma); **Leonardo Chelazzi** (University of Verona)

P1.64 | Cognitive Control, Cognitive Bias, And Emotional Regulation In Caregivers Of Patients Diagnosed With Chronic Diseases Attending The Jordanian Hospitals

Shaimaa Nasr Amin (Department of Anatomy, Physiology and Biochemistry, Faculty of Medicine, The Hashemite University, Zarqa, Jordan); **Ahmed A. Ismail** (Kansas Department of Health and Environment, Topeka, KS, USA); **Islam Abusuailik** (House Officer, Medical Graduates Training Program, Jordan Medical Council, Amman, Jordan); **Liyan Salameh** (House Officer, Medical Graduates Training Program, Jordan Medical Council, Amman, Jordan); **Manar Alfaleh** (House Officer, Medical Graduates Training Program, Jordan Medical Council, Amman, Jordan); **Marah Hussein** (House Officer, Medical Graduates Training Program, Jordan Medical Council, Amman, Jordan); **Nour odeh** (House Officer, Medical Graduates Training Program, Jordan Medical Council, Amman, Jordan); **Alaa Alkhawaldeh** (Medical Students, Faculty of Medicine, The Hashemite University, Zarqa, Jordan); **Mahmoud Adeeb Albuhaisi** (Medical Students, Faculty of Medicine, The Hashemite University, Zarqa, Jordan); **Mahmoud Sadaqa** (Medical Students, Faculty of Medicine, The Hashemite University, Zarqa, Jordan); **Zuheir Hasan** (Department of Anatomy, Physiology and Biochemistry, Faculty of Medicine, The Hashemite University, Zarqa, Jordan)

P1.65 | Motor Cortex Activity Preceding Movement. Preparation To Act Or Expectancy For Movement?

Silvia Isabella (Rotman Research Institute and Hospital for Sick Children Research Institute); **Jessica Schulz** (Hospital for Sick Children Research Institute); **Sima Buchnak** (Hospital for Sick Children Research Institute); **Cecilia Jobst** (Hospital for Sick Children Research Institute); **Douglas Cheyne** (Hospital for Sick Children Research Institute)

P1.66 | Does Implicit Biological Motion Processing Affect Visuo-spatial Attention? A Behavioral Study With Multiple Sclerosis Patients

Sofia Bonventre (Institute for Advanced Biomedical Technologies (ITAB) and Department of Neurosciences, Imaging and Clinical Sciences, University G. D'Annunzio of Chieti-Pescara, Chieti, Italy); **Martina De Cesaris** (Institute for Advanced Biomedical Technologies (ITAB) and Department of Neurosciences, Imaging and Clinical Sciences, University G. D'Annunzio of Chieti-Pescara, Chieti, Italy); **Massimo Bertoli** (Institute for Advanced Biomedical Technologies (ITAB) and Department of Neurosciences, Imaging and Clinical Sciences, University G. D'Annunzio of Chieti-Pescara, Chieti, Italy); **Francesca Graziano** (Institute for Advanced Biomedical Technologies (ITAB) and Department of Neurosciences, Imaging and Clinical Sciences, University G. D'Annunzio of Chieti-Pescara, Chieti, Italy); **Valentina Tomassini** (Institute for Advanced Biomedical Technologies (ITAB) and Department of Neurosciences, Imaging and Clinical Sciences, University G. D'Annunzio of Chieti-Pescara, Chieti, Italy; MS Centre, SS. Annunziata University Hospital, Chieti, Italy); **Marcella Brunetti** (Institute for Advanced Biomedical Technologies (ITAB) and Department of Neurosciences, Imaging and Clinical Sciences, University G. D'Annunzio of Chieti-Pescara, Chieti, Italy)

P1.67 | Stress-induced Shifts In Dynamic Brain States: Linking Task And Resting-state Fmri With Childhood Adversity Using Hmm

Soroosh Golbabaei (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Nathalie Winter** (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Larissa McClain** (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Hannes M.X. Meilick** (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Marina Krylova** (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Igor Izyurov** (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Johan van der Meer** (Faculty of Science, Queensland University of Technology); **Martin Walter** (Department of Psychiatry and Psychotherapy, Jena University Hospital); **Lejla Colic** (Department of Psychiatry and Psychotherapy, Jena University Hospital)

P1.68 | Neural Oscillations Distinguish Sequential And Simultaneous Working Memory

Alexandra Andersson (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki); **Judith Sattelberger** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki); **Aniol Santo-Angles** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki); **Satu Palva** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki; School of Psychology and Neuroscience, University of Glasgow)

P2.01 | Towards Personalized Neuroscience: Evaluating Individual-level Information In Neural Mass Models

Carlotta B.C. Barkhau (Institute for Biomagnetism and Biosignalanalysis, University of Muenster); **Clemens Pellengahr** (Institute for Translational Psychiatry, University of Muenster); **Zheng Wang** (Department of Psychiatry and Institute of Medical Sciences, University of Toronto); **Lukas Fisch** (Institute for Translational Psychiatry, University of Muenster); **Ramona Leenings** (Institute for Translational Psychiatry, University of Muenster); **Nils R. Winter** (Institute for Translational Psychiatry, University of Muenster); **Jan Ernsting** (Institute for Translational Psychiatry, University of Muenster); **Maximilian Konowski** (Institute for Translational Psychiatry, University of Muenster); **Dominik Grotegerd** (Institute for Translational Psychiatry, University of Muenster); **Susanne Meinert** (Institute for Translational Psychiatry, University of Muenster); **Julia M. Hubbert** (Institute for Translational Psychiatry, University of Muenster); **Judith Krieger** (Institute for Translational Psychiatry, University of Muenster); **Tiana Borgers** (Institute for Translational Psychiatry, University of Muenster); **Kira Flinkenflügel** (Institute for Translational Psychiatry, University of Muenster); **Elisabeth J. Leehr** (Institute for Translational Psychiatry, University of Muenster); **Frederike Stein** (Department of Psychiatry and Psychotherapy, University of Marburg); **Florian Thomas-Odenthal** (Department of Psychiatry and Psychotherapy, University of Marburg); **Paula Usemann** (Department of Psychiatry and Psychotherapy, University of Marburg); **Lea Teutenberg** (Department of Psychiatry and Psychotherapy, University of Marburg); **Igor Nenadic** (Department of Psychiatry and Psychotherapy, University of Marburg); **Benjamin Straube** (Department of Psychiatry and Psychotherapy, University of Marburg); **Nina Alexander** (Department of Psychiatry and Psychotherapy, University of Marburg); **Andreas Jansen** (Department of Psychiatry and Psychotherapy, University of Marburg); **Christian Porschen** (Department of Anaesthesiology, Intensive Care and Pain Medicine, University Hospital Muenster); **Tilo Kircher** (Department of Psychiatry and Psychotherapy, University of Marburg); **John D. Griffiths** (Department of Psychiatry and Institute of Medical Sciences, University of Toronto); **Hamidreza Jamalabadi** (Department of Psychiatry and Psychotherapy, University of Marburg); **Udo Dannlowski** (Institute for Translational Psychiatry, University of Muenster); **Tim Hahn** (Institute for Translational Psychiatry, University of Muenster)

P2.02 | Exploring The Role Of Feedback Valence In Modulating The Late Positive Component (LPC) During Probabilistic Reward Learning

Charlotte Dsouza (University of Groningen); **Carlotta Mathiske** (University of Groningen); **Liset Harink** (University of Groningen); **Emma Van Leckwyck** (University of Groningen); **Dr. Mark Span** (University of Groningen); **Prof. Dr. Monique Lorist** (University of Groningen)

P2.03 | Electrophysiological Power-spectra Of Deductive And Inductive Reasoning: A Meg Study

Del Cerro-León, Alberto (Center for cognitive and computational neuroscience (C3N - UCM)); **Antón-Toro, Luis F.** (Center for cognitive and computational neuroscience (C3N - UCM)); **Uceta, Marcos** (Center for cognitive and computational neuroscience (C3N - UCM)); **Spakivshka-Bilán, Danylyna** (Center for cognitive and computational neuroscience (C3N - UCM)); **Maestú, Fernando** (Center for cognitive and computational neuroscience (C3N - UCM)); **Salto-Aleman, Francisco** (Department of psychology, sociology and philosophy (ULE)); **Requena, Carmen** (Department of psychology, sociology and philosophy (ULE))

P2.04 | Referencing The Self In Empathy For Pain

Federica Meconi (University of Trento, Italy); **Alessia Zuriati** (University of Trento, Italy)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.05 | Piecing Together Time: The Role Of Sampling Frequency In The Construction Of Narrative Time From Sparse Fragments

Federica Procida (Department of Neuroscience, Imaging and Clinical Sciences, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy. ITAB Institute for Advanced Biomedical Technologies, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy); **Matteo Frisoni** (Department of Neuroscience, Imaging and Clinical Sciences, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy. ITAB Institute for Advanced Biomedical Technologies, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy); **Annalisa Tosoni** (ITAB Institute for Advanced Biomedical Technologies, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy. Department of Psychology, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy); **Carlo Sestieri** (Department of Neuroscience, Imaging and Clinical Sciences, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy. ITAB Institute for Advanced Biomedical Technologies, University G. d'Annunzio of Chieti-Pescara, Via dei Vestini 31, 66100, Chieti, Italy)

P2.06 | The Dynamic Experience Of Architecture Influences The Processing Of Body Expression

Giovanni Vecchiato (Institute of Neuroscience, National Research Council of Italy, Parma; Department of Theoretical and Applied Sciences, eCampus University); **Paolo Presti** (Institute of Neuroscience, National Research Council of Italy, Parma); **Fausto Caruana** (Institute of Neuroscience, National Research Council of Italy, Parma); **Pietro Avanzini** (Institute of Neuroscience, National Research Council of Italy, Parma); **Giacomo Rizzolatti** (Institute of Neuroscience, National Research Council of Italy, Parma)

P2.07 | Oscillatory Dynamics Of Predictive Coding In Motion Perception

Giuseppe Di Dona (Department of Psychology and Cognitive Science - University of Trento); **Alessia Santoni** (School of Psychology - Vita-Salute San Raffaele University); **Sara Stottmeier** (School of Psychology - Vita-Salute San Raffaele University); **Luca Ronconi** (Department of Psychology and Cognitive Science - University of Trento)

P2.08 | Anxiety Modulates Semantic-affective Integration In The Anterior Temporal Lobe

González-García, Iván (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain); **Zareba, Michal Rafal** (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain); **Ibáñez-Montolio, Marcos** (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain); **Visser, Maya** (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain)

P2.09 | Redundant prediction error encoding across species

Juho Äijälä (Department of Psychology, University of Cambridge, UK); **Claudia Pascovich** (Department of Psychology, University of Cambridge, UK); **Daniel Warren** (Department of Physics, University of Cambridge, UK); **Michael A. Jenssen** (Department of Neurosurgery, Mayo Clinic Rochester, USA); **Kai J. Miller** (Department of Neurosurgery, Mayo Clinic Rochester, USA); **Misako Komatsu** (RIKEN Centre for Brain Science, RIKEN, Japan); **Masafumi Takaji** (RIKEN Centre for Brain Science, RIKEN, Japan); **Robin A.A. Ince** (Institute of Neuroscience and Psychology, University of Glasgow, UK); **Andres Canales-Johnson** (Department of Psychology, University of Cambridge, UK / Neuroscience Institute, Helsinki Institute of Life Sciences, University of Helsinki, Finland)

P2.10 | Oscillatory Signatures Of Top-down Control Of Internal Representations In Working Memory: An M/eeg-guided Tms Study

Katarzyna Jaworska (School of Psychology and Neuroscience, University of Glasgow, UK); **Máté Gyurkovics** (School of Psychology, University of East Anglia, UK); **Gabriela Cruz San Martin** (School of Psychology and Neuroscience, University of Glasgow); **J. Matias Palva** (Neuroscience Center, Helsinki Institute of Life Sciences, University of Helsinki, Finland); **Gregor Thut** (CerCo, CNRS, University of Toulouse, France); **Satu Palva** (Neuroscience Center, Helsinki Institute of Life Sciences, University of Helsinki, Finland)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.11 | Time-resolved EEG Decoding Reveals A Shift From Stronger Expected To Unexpected Action Outcome Representations

Kirsten Rittershofer (UCL, UK); **Daniel Yon** (Birkbeck, University of London, UK); **Clare Press** (UCL, UK)

P2.12 | Temporal Dynamics Of Prediction Errors On Perceptual Content And Awareness Of Content

Martha Cottam (University College London); **Nan Chen** (University College London); **Peter Kok** (University College London); **Stephen, M. Fleming** (University College London); **Nadine Dijkstra** (University College London)

P2.13 | Autism Spectrum Disorders and Developmental Prosopagnosia: Investigating Gender Asymmetry

Nadia Nawi (Edge Hill University, Ormskirk, UK); **Dr Nicola Van Rijsbergen** (Edge Hill University, Ormskirk, UK); **Dr Edwin Burns** (Swansea University, UK)

P2.14 | Inter-hemispheric Envelope Coupling Between Sensorimotor Beta Oscillations Leaves A Trace In Peripheral Recordings

Nicolas Yanguma-Muñoz (Universite libre de Bruxelles (ULB)); **Chrisitian Georgiev** (Universite libre de Bruxelles (ULB)); **Scott J. Mongold** (Universite libre de Bruxelles (ULB)); **Armin Hakkak Moghadam Torbati** (Universite libre de Bruxelles (ULB)); **Daria Digileva** (Universite libre de Bruxelles (ULB)); **Gilles Naeije** (Universite libre de Bruxelles (ULB)); **Pierre Cabaraux** (Universite libre de Bruxelles (ULB)); **Mathieu Bourguignon** (Universite libre de Bruxelles (ULB))

P2.15 | Interpreting Sentences While Whispering ‘da ba ga da’: An fMRI Study of Plausibility-Based Processing under Phonological Loop Load

Rei Emura (Tohoku University); **Hyeonjeong Jeong** (Tohoku University); **Yousuke Kawachi** (Tohoku University); **Ryuya Komuro** (Tohoku University); **Masatoshi Koizumi** (Tohoku University)

P2.16 | Lifespan Functional Changes In Papez Circuit Interactions Supporting Item And Relational Episodic Memory

Sandra Rodríguez-Gonzalo (BCBL. Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain); **Pedro M. Paz-Alonso** (BCBL. Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain)

P2.17 | Flattened Spectra, Dilated Pupils: Neural Markers Of Cognitive Load

Tomas Bosch (Pontificia Universidad Católica de Chile); **Vicente Medel** (Universidad Adolfo Ibáñez); **Tomás Ossandón** (Pontificia Universidad Católica de Chile)

P2.18 | Approach-avoidance Conflict In Social Contexts: Neural And Behavioral Correlates In Internalizing Disorders

Victoria Gradin (Universidad de la República); **Sebastián Morales** (Universidad de la República); **Alejo Acuña** (Universidad de la República); **Enrique Cuña** (Universidad de la República); **Alfonso Perez** (Universidad de la República); **Antonella Brandani** (Universidad de la República); **Margarita García-Fontes** (Centro Uruguayo de Imagenología Molecular)

P2.19 | Neurophysiological Responses To Different Types Of Uncertainty In Information In A Reversal Learning Task

Alberto Muñoz-Aguirre (Department of Cognition, Development and Educational Psychology, Institute of Neurosciences, University of Barcelona, Barcelona, Spain); **Laura Muntaner** (Department of Cognition, Development and Educational Psychology, Institute of Neurosciences, University of Barcelona, Barcelona, Spain); **Josep Marco-Pallarés** (Cognition and Brain Plasticity Unit, Bellvitge Biomedical Research Institute (IDIBELL), L'Hospitalet de Llobregat, Barcelona, Spain)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.20 | Neural Correlates Of Evidence Accumulation In An Expanded Judgement Task With Alternating, Choice-specific Tokens

Elisabeth Parés-Pujolràs (University College Dublin); **Simon P. Kelly** (University College Dublin)

P2.21 | Blinking Vs. Winking: Comparing Electromyographic Signals From Both Eyes Suggests Involvement Of High-level Mechanisms

Isabell C Pitigoi (Queen's University); **Don C Brien** (Queen's University); **Brian C Coe** (Queen's University); **Douglas P Munoz** (Queen's University)

P2.22 | Blocking Orexin A And B Receptors Impairs Alertness But Enhances Measures Of Cognitive Control

Jana Tegelbeckers (Otto von Guericke University); **Bastian Schulzke** (Otto von Guericke University); **Markus Ullsperger** (Otto von Guericke University)

P2.23 | Dissociable Effects Of Uncertainty In Perceptual And Cognitive Control

Julian Q. Kosciessa (Donders Centre for Cognition, Radboud University. Nijmegen. The Netherlands); **Martin Wimmers** (Donders Centre for Cognition, Radboud University. Nijmegen. The Netherlands); **Sophie Krijgsman** (Donders Centre for Cognition, Radboud University. Nijmegen. The Netherlands); **Lennart Verhagen** (Donders Centre for Cognition, Radboud University. Nijmegen. The Netherlands)

P2.24 | Physiological And Behavioral Markers Of Fatigue

Maarika Traat (University of Tartu); **Kairi Kreegipuu** (University of Tartu); **Aire Raidvee** (University of Tartu)

P2.25 | Neural And Episodic Memory Features During Free Recall Of Naturalistic Film Scenes Show Divergent Associations With Intrusive Memories

Malte Kobelt (Ruhr-University Bochum); **Gerd T. Waldhauser** (Ruhr-University Bochum); **Rebekka Heinen** (Ruhr-University Bochum); **Elias MB Rau** (Ruhr-University Bochum); **Nikolai Axmacher** (Ruhr-University Bochum)

P2.26 | Does Increased Postural Task Difficulty Improve Sustained Attention In Healthy Participants?

Marie Fabre (Aix Marseille University, Insitut des Sciences du Mouvement); **Aurélie Grandjean** (Aix Marseille University, Insitut de Neurosciences des Sytèmes)

P2.27 | The Left Lateral Prefrontal Cortex Supports Proactive Control Over Prepotent Conceptual Responses And Intrusions

Martin Marko (Slovak Academy of Sciences, Centre of Experimental Medicine, Department of Behavioural Neuroscience); **Adam Kubinec** (Slovak Academy of Sciences, Centre of Experimental Medicine, Department of Behavioural Neuroscience); **Rastislav Rovný** (Slovak Academy of Sciences, Centre of Experimental Medicine, Department of Behavioural Neuroscience); **Igor Riečanský** (Slovak Academy of Sciences, Centre of Experimental Medicine, Department of Behavioural Neuroscience)

P2.28 | Respiration Modulates Excitation-inhibition Balance In Temporal Lobe Epilepsy

Martina Saltafossi (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany); **Teresa Berther** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany); **Gian Marco Duma** (Scientific Institute IRCCS E. Medea, Epilepsy and Clinical Neurophysiology Unit, Conegliano, Italy); **Simone Cuozzo** (2 Scientific Institute IRCCS E. Medea, Epilepsy and Clinical Neurophysiology Unit, Conegliano, Italy); **Luc Wilson** (McConnell Brain Imaging Centre, Montréal Neurological Institute, McGill University, Montréal, Canada); **Paolo Bonanni** (Scientific Institute IRCCS E. Medea, Epilepsy and Clinical Neurophysiology Unit, Conegliano, Italy); **Joachim Gross** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany); **Daniel S. Kluger** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany)

P2.29 | Brain Oscillations And Fluid Intelligence: Insights From Eeg Analysis Of The Graph Mapping Task

Michał Ociepka (Jagiellonian University, Centre for Cognitive Science); **Adam Chuderski** (Jagiellonian University, Centre for Cognitive Science)

P2.30 | Long-term Social Isolation Induces Memory Deficit And Depressive Behavior In Rats Of Different Social Status

Tamar Matitaishvili (Ivane Beritashvili Center of Experimental Biomedicine); **Tamar Domianidze** (Ivane Beritashvili Center of Experimental Biomedicine); **George Burjanadze** (Ivane Javakhishvili Tbilisi State University); **Mariam Shengelia** (Ivane Javakhishvili Tbilisi State University); **Nato Menteshashvili** (Ivane Beritashvili Center of Experimental Biomedicine)

P2.31 | Developmental Mechanisms Of Anticipatory Inhibition During A Bimanual Postural Task In Children

Viktoriia Manyukhina (Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, COPHY, F-69500, Bron, France); **Franck Di Rienzo** (Université de Lyon, Université Claude Bernard Lyon 1, Laboratoire Interuniversitaire de Biologie de la Motricité-UR 7424, F-69100, Villeurbanne, France); **Fanny Barlaam** (Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, COPHY, F-69500, Bron, France); **Sébastien Daligault** (Université de Lyon, Université Claude Bernard Lyon 1, Laboratoire Interuniversitaire de Biologie de la Motricité-UR 7424, F-69100, Villeurbanne, France); **Claude Delpuech** (Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, COPHY, F-69500, Bron, France; 3-CERMEP-Imagerie du Vivant, MEG Département, F-69500, Bron, France); **Mathilde Bonnefond** (Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, COPHY, F-69500, Bron, France); **Christina Schmitz** (Université Claude Bernard Lyon 1, CNRS, INSERM, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, COPHY, F-69500, Bron, France)

P2.32 | The Impact Of Social Rejection Feedback On Self-presentation: An Fmri Study

Yi DING (Cognitive Neuroscience Application Center, Tohoku University); **Yuko OKAMOTO** (Cognitive Neuroscience Application Center, Tohoku University); **Xiaoqian CHANG** (Institute of Development, Aging and Cancer, Tohoku University); **Mai TAKAGI** (Institute of Development, Aging and Cancer, Tohoku University); **Momoyo TSUCHIYA** (Institute of Development, Aging and Cancer, Tohoku University); **Yumi HAMAMOTO** (Frontier Research Institute for Interdisciplinary Science, Tohoku University); **Kei TAKAHASHI** (Institute of Development, Aging and Cancer, Tohoku University); **Kohei SAKAKI** (Cognitive Neuroscience Application Center, Tohoku University); **Tsukasa ISHIGAKI** (Graduate School of Economics and Management, Tohoku University); **Motoaki SUGIURA** (Institute of Development, Aging and Cancer, Tohoku University)

P2.33 | Temporal Dynamics And Neural Correlates Of Exogenous Feature-based Attention To Color

Alejandra Carboni (Universidad de la República (Uruguay)); **Francisco Cervantes** (Universidad de la República (Uruguay)); **Thaíz Sanchez** (Universidad de la República (Uruguay)); **Dominique Kessel** (Universidad Autónoma de Madrid)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.34 | Does Attention to Cardiac Sensations Modulate Heartbeat-Evoked Potentials Even After Controlling for Cognitive Demands?

Patrícia Vilela Braga (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal); **Beatriz Vieira** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal); **Carina Fernandes** (Faculty of Human and Social Sciences, University Fernando Pessoa, Portugal); **Fernando Barbosa** (Laboratory of Neuropsychophysiology, University of Porto, Portugal); **Fernando Ferreira-Santos** (Laboratory of Neuropsychophysiology, University of Porto, Portugal); **Mariana R. Pereira** (GOSInstitute of Child Health, University College London, United Kingdom); **Nuno Barbosa Rocha** (TBIO/E2S, Polytechnic of Porto, Portugal); **Prune Mazer** (E2S, Polytechnic of Porto, Portugal); **Rita Pasion** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal); **Simone Schütz-Bosbach** (Department of Psychology, General and Experimental Psychology Unit, Ludwig-Maximilians-Universität München, Germany); **Tiago Oliveira Paiva** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal); **Carlos Campos** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal; LabRP/CIR, E2S, Polytechnic of Porto, Portugal)

P2.35 | Individualized Beta-Band iTBS Enhances Excitability of Interneurons and Pyramidal Neurons in the Human Motor Cortex

Daisuke Kudo (Department of Physical Therapy, Yamagata Prefectural University of Health Sciences); **Mitsuhiro Nito** (Department of Occupational Therapy, Yamagata Prefectural University of Health Sciences); **Akio Kikuchi** (Department of Occupational Therapy, Yamagata Prefectural University of Health Sciences); **Shigeo Tanabe** (Faculty of Rehabilitation, School of Health Sciences, Fujita Health University); **Tomofumi Yamaguchi** (Department of Physical Therapy, Human Health Sciences, Kyoto University)

P2.36 | A systematic review and multilevel meta-analysis of transcranial Alternating Current Stimulation (tACS) effects in the visual domain

Denisa Adina Zamfira (School of Psychology, Vita-Salute San Raffaele University & Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan, Italy); **Francesco De Benedetto** (Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan, Italy; Milan Center for Neuroscience (NeuroMi), University of Milano-Bicocca & Department of Psychology, University of Milano-Bicocca, Milan, Italy); **Lisa Venniro** (School of Psychology, Vita-Salute San Raffaele University, Milan, Italy); **Carola Como** (School of Psychology, Vita-Salute San Raffaele University, Milan, Italy); **Luca Ronconi** (School of Psychology, Vita-Salute San Raffaele University & Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan, Italy; Department of Psychology, University of Trento, Trento, Italy)

P2.37 | Effect Of Emotion On Hippocampal-dependent Associative Binding Through The Lens Of The Weather Prediction Task

Emilie de Montpellier (University of Cambridge); **Hannah Bernhard** (University of Cambridge); **Richard Henson** (MRC Cognition & Brain Sciences Unit, Department of Psychiatry, University of Cambridge); **Thomas G. W. McConnell** (University of Cambridge); **Deborah Talmi** (University of Cambridge)

P2.38 | Biomarkers Of Stroke Recovery Using Eeg-based Functional Connectivity: A Systematic Review

Ettore Napoli (Università di Bologna); **Fabio Masina** (Università degli Studi di Padova); **Rachele Pezzetta** (San Camillo Hospital IRCCS); **Giulia Oliva** (Università degli Studi di Padova); **Federico Vanni** (San Camillo Hospital IRCCS); **Maria Silvia Saccani** (Università degli Studi di Padova); **Marco Zorzi** (Università degli Studi di Padova); **Dante Mantini** (KU Leuven); **Giorgio Arcara** (San Camillo Hospital IRCCS)

P2.39 | Understanding Motivations In Moral Judgment Of Black And White People

Fernanda Naomi Pantaleão (Mackenzie Presbyterian University and National Institute of Science and Technology on Social and Affective Neuroscience - INCT-SANI, CNPq); **Bianca Picorallo Palotta** (Mackenzie Presbyterian University and National Institute of Science and Technology on Social and Affective Neuroscience - INCT-SANI, CNPq); **Paulo Sérgio Boggio** (Mackenzie Presbyterian University and National Institute of Science and Technology on Social and Affective Neuroscience - INCT-SANI, CNPq)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.40 | The role of cortically-tracked spectral modulations of speech under mimicry

Francisco Cervantes Constantino (Instituto Clemente Estable, Uruguay); **Franco Caballero** (Universidad de la República, Uruguay); **Rodrigo Caramés Harcevnicow** (Universidad de la República, Uruguay); **Ángel Caputi** (Instituto Clemente Estable, Uruguay)

P2.41 | Emotional And Personal Relevance In Self-face Processing: Evidence From Erp And Oscillatory Dynamics

Francisco Muñoz-Muñoz (Neuroknowledge Research Center); **Miguel Rubianes-Méndez** (Neuroknowledge Research Center); **Pilar Casado-Martínez** (Neuroknowledge Research Center); **Sabela Fondevila-Estévez** (Neuroknowledge Research Center); **Laura Jiménez-Ortega** (Neuroknowledge Research Center); **Werner Sommer** (Department of Psychology, Humboldt-Universitaet zu Berlin); **Manuel Martín-Loeches** (Neuroknowledge Research Center)

P2.42 | Judging Action-outcome Intensifies Motor Preparation: Evidence From Readiness Potentials And β -band Desynchronisation

Gaiqing KONG (IMPACT - Lyon neuroscience research center - INSERM U1028 - CNRS, Lyon, France); **Mélanie DUCCELLIER** (IMPACT - Lyon neuroscience research center - INSERM U1028 - CNRS, Lyon, France); **Romeo SALEMME** (NeuroImmersion Platform - CRNL - INSERM U1028 - CNRS, Lyon, France); **Marine VERNET** (IMPACT - Lyon neuroscience research center - INSERM U1028 - CNRS, Lyon, France); **Alessandro FARNE** (IMPACT - Lyon neuroscience research center - INSERM U1028 - CNRS, Lyon, France)

P2.43 | Neural Correlates Of Predictive Processing Of Word Order And Thematic Roles In Korean Sentence Comprehension: An fMRI Study

Hyeonjeong Jeong (Tohoku University); **Juno Baik** (Brigham Young University); **Yunju Nam** (Hanyang University); **Sun-Young Lee** (Cyber Hankuk University of Foreign Studies); **Youngjoo Kim** (Kyunghee University)

P2.44 | Down-regulating Effect Of Affect Labeling On Negative Emotions During Reexposure After Different Time Intervals

Jinyu Chen (Utrecht University); **Irene van de Vijver** (Utrecht University); **J.Leon Kenemans** (Utrecht University); **Johanna M.P. Baas** (Utrecht University)

2.45 | Processing Of Structural Disruptions In Dynamic Action Flow In The Developing Brain

Laura Maffongelli (Institute of Medical Psychology, University of Luebeck, CBBM, Germany); **Anna Sophie Schulte** (Institute of Medical Psychology, University of Luebeck, CBBM, Germany); **Sarah Jessen** (Institute of Medical Psychology, University of Luebeck, CBBM, Germany)

P2.46 | Understanding Early Syntactic Processes Through The Neural Origins Of The Left Anterior Negativity

Manuel Martin-Loeches (NeuroKnowledge Research Center, Universidad Complutense de Madrid, Spain); **Werner Sommer** (Department of Psychology, Humboldt Universität zu Berlin, Germany); **Laura Jiménez-Ortega** (NeuroKnowledge Research Center, Universidad Complutense de Madrid, Spain); **Javier Espuny** (NeuroKnowledge Research Center, Universidad Complutense de Madrid, Spain); **Miguel Rubianes** (NeuroKnowledge Research Center, Universidad Complutense de Madrid, Spain); **Pilar Casado** (NeuroKnowledge Research Center, Universidad Complutense de Madrid, Spain)

2.47 | Exploring the role of orbitofrontal oscillations in effort-based decisions: insights from hierarchical drift diffusion modeling

Margaux Nussbaumer (Centre de Recherche en Neurosciences de Lyon, INSERM U1028, UMR5292); **Elisa Lopez-Bravo** (Centre de Recherche en Neurosciences de Lyon, INSERM U1028, UMR5292); **Eric Koun** (Centre de Recherche en Neurosciences de Lyon, INSERM U1028, UMR5292); **Alexandre Foncelle** (Centre de Recherche en Neurosciences de Lyon, INSERM U1028, UMR5292); **Marine Vernet** (Centre de Recherche en Neurosciences de Lyon, INSERM U1028, UMR5292); **Pierre Vassiliadis** (UCL); **Gerard Derosiereen** (Centre de Recherche en Neurosciences de Lyon, INSERM U1028, UMR5292)

P2.48 | Modulation Of Auditory Cortex Activation By Language Lateralization And Musical Training

María Baena-Pérez (University of Jaume I); **Cristina Cano-Melle** (University of Jaume I); **César Ávila** (University of Jaume I)

P2.49 | Interplay Between Cortical And Neurocardiac Interoceptive Processes And Its Association With Self-reported Interoceptive Sensibility

Mariana Oliveira (University of Minho); **Márcia da-Silva** (University of Minho); **Lídia Carvalho** (University of Minho); **A. Ribeiro-Carreira** (University of Minho); **Ana Rita Pereira** (University of Minho); **Adriana Sampaio** (University of Minho); **Joana Coutinho** (University of Minho); **Alberto J. González-Villar** (University of Minho)

P2.50 | Beyond Rest-and-digest: The Gastric Cycle Influences Response Times In Perceptual Tasks

Marie Loescher (Laboratoire de Neurosciences Cognitives et Computationnelles, Département d'études cognitives, Ecole Normale Supérieure, Université PSL, INSERM, Paris); **Nicolai Wolpert** (Laboratoire de Neurosciences Cognitives et Computationnelles, Département d'études cognitives, Ecole Normale Supérieure, Université PSL, INSERM, Paris); **Catherine Tallon-Baudry** (Laboratoire de Neurosciences Cognitives et Computationnelles, Département d'études cognitives, Ecole Normale Supérieure, Université PSL, INSERM, Paris)

P2.51 | Subjective Cognitive Decline Modulates Cortical Tracking Strength In Speech And Music Perception Within Specific Expressive Styles

Matthew King-Hang Ma (The Hong Kong Polytechnic University); **Manson Cheuk-Man Fong** (The Hong Kong Polytechnic University); **William Shiyuan Wang** (The Hong Kong Polytechnic University)

P2.52 | How Top-down Processes Synergistically Shape Early Visual Perception: Evidence From The C1 Erp Component

Maximilien Van Migem (Ghent University); **Daniele Marinazzo** (Ghent University); **Gilles Pourtois** (Ghent University)

P2.53 | Affective And Cognitive Components Of Empathy Toward Individuals With Disabilities

Rui Watanabe (Turku PET Centre); **Birgitta Paranko** (Turku PET Centre); **Severi Santavirta** (Turku PET Centre); **Lauri Nummenmaa** (Turku PET Centre)

P2.54 | Effects Of Intentionally Concealing Information On Eye Movements

Yuh-shiow Lee (National Chung-Cheng University, Taiwan, R. O. C.)

P2.55 | Neural Dynamics Of Cross-modal Binding In Working Memory: Evidence From EEG And Behavioral Measures

Ceren Arslan (Leibniz Research Centre for Working Environment and Human Factors); **Daniel Schneider** (Leibniz Research Centre for Working Environment and Human Factors); **Stephan Getzmann** (Leibniz Research Centre for Working Environment and Human Factors); **Edmund Wascher** (Leibniz Research Centre for Working Environment and Human Factors); **Laura-Isabelle Klatt** (Leibniz Research Centre for Working Environment and Human Factors)

P2.56 | Moderate Evidence For Large Language Models Reflecting Human Neurocognition During Abstract Reasoning

Christopher Pinier (University of Amsterdam); **Michael Nunez** (University of Amsterdam); **Claire Stevenson** (University of Amsterdam)

P2.57 | The Influence Of Emotion On The Perception And Awareness Of Words

Francia Arriagada-Möding (The Neuropsychology and Cognitive Neurosciences Research Center (CINPSI Neurocog), Facultad de Ciencias de la Salud, Universidad Católica del Maule, Talca, Chile; Doctorate in Psychology, Facultad de Ciencias de la Salud, Universidad Católica del Maule, Talca, Chile); **Chiara Saracini** (The Neuropsychology and Cognitive Neurosciences Research Center (CINPSI Neurocog), Facultad de Ciencias de la Salud, Universidad Católica del Maule, Talca, Chile); **Renzo C. Lanfranco** (Department of Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden; Center for Research in Cognition & Neurosciences, Université libre de Bruxelles, Brussels, Belgium)

P2.58 | Multimodal Signatures Of Cognitive Impairment In Multiple Sclerosis Using Eye-tracking And 7T fMRI

Ido Har Shalom (Weizmann Institute of Science); **Aviv Jarbi** (Weizmann Institute of Science); **Michal Zamberg-Elad** (Weizmann Institute of Science); **Hadar Kolb** (Tel Aviv Medical Center); **Michal Ramot** (Weizmann Institute of Science)

P2.59 | Shared Retrieval Mechanisms In Semantic And Episodic Verbal Memory? An Meg Study Of Healthy Individuals And Post-surgical Left Temporal Lobe Epilepsy Patients

Irina Chupina (Department of Neuropsychology and Rehabilitation Psychology, Donders Centre for Cognition, Radboud University, Nijmegen, the Netherlands); **Britta U. Westner** (Department of Medical Neuroscience, Donders Institute for Brain, Cognition, and Behaviour, Radboud University Medical Center, Nijmegen, the Netherlands; Department of Neuropsychology and Rehabilitation Psychology, Donders Centre for Cognition, Radboud University, Nijmegen, the Netherlands); **Joanna Sierpowska** (Department of Cognition, Development and Educational Psychology, The Institute of Neurosciences, University of Barcelona, Barcelona, Spain; Bellvitge Biomedical Research Institute (IDIBELL), Barcelona, Spain); **Marc Petrus Hendriks** (Department of Neuropsychology and Rehabilitation Psychology, Donders Centre for Cognition, Radboud University, Nijmegen, the Netherlands; Academic Centre of Epileptology, Kempenhaeghe, Heeze, Netherlands); **Vitória Piai** (Department of Neuropsychology and Rehabilitation Psychology, Donders Centre for Cognition, Radboud University, Nijmegen, the Netherlands)

P2.60 | Musical Competency And Appetency In Individuals With Parkinson's Disease

Louise Decaens (Claude Bernard University Lyon); **Charles-Etienne Benoit** (Claude Bernard University Lyon); **Narges Bayat** (University of Ottawa); **Anna Zumbansen** (University of Ottawa)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.61 | Associations Between Overnight Sleep And Objectives Measures Of Cognitive Functions In Preadolescent Danish Children

Nadia Daly Neesgaard (University of Copenhagen); **Natascha Holbæk Pedersen** (University of Southern Denmark); **Maja Sulstad Johansen** (University of Southern Denmark); **Jan Brønd** (University of Southern Denmark); **Pia Sandfeld Melcher** (University of Copenhagen); **Paulina Sander Melby** (University of Southern Denmark); **Mette Kurtzhals** (University of Copenhagen); **Kristian Pødenphant Overgaard** (University of Southern Denmark); **Malte Nejst Larsen** (University of Southern Denmark); **Peter Krustrup** (University of Southern Denmark); **Glen Nielsen** (University of Copenhagen); **Anders Grøntved** (University of Southern Denmark); **Jesper Lundbye-Jensen** (University of Copenhagen)

P2.62 | Is Left Inferior Frontal Cortex Recruitment During Infants' Audiovisual Processing Language-Specific?

Nicole Altvater-Mackensen (University of Mannheim); **Tobias Grossmann** (University of Virginia)

P2.63 | Pavlovian Conditioning Of Perceptual Neural Responses

Parisa Ahmadi Ghomroudi (Department of Psychology and Cognitive Science, University of Trento, 38068 Rovereto, Ital); **Antonino Greco** (Department of Neural Dynamics and Magnetoencephalography, Hertie Institute for Clinical Brain Research, University of Tübingen, 72076 Tübingen, Germany; Werner Reichardt Centre for Integrative Neuroscience, University of Tübingen, 72076 Tübingen, Germany ; MEG Center, University of Tübingen, 72076 Tübingen, Germany); **Giulia Cristoforetti** (Center for Mind/Brain Sciences (CIMEC), University of Trento, Trento, Italy); **Andrea Cariasearch** (Department of Psychology and Cognitive Science, University of Trento, 38068 Rovereto, Italy)

P2.64 | Systematic Time-on-Task Effects in EEG Metrics: Implications for Brain-Behaviour Analyses

Raquel E. London (Faculty of Psychology and Educational Sciences, Ghent University, Ghent, Belgium); **Martina Kopčanová** (Psychology, University of Dundee, Dundee, United Kingdom); **Christopher S.Y. Benwell** (Psychology, University of Dundee, Dundee, United Kingdom); **Christian Keitel** (Psychology, University of Dundee, Dundee, United Kingdom)

P2.65 | Brain Signal Variability Is Reduced During Self-face Recognition: Evidence From Multiscale Entropy Analysis

Rubianes, M. (UNIE University; Complutense University of Madrid); **Muñoz, F.** (Complutense University of Madrid); **Drijvers, L.** (Radboud University); **Martín-Loeches, M.** (Complutense University)

P2.66 | Investigating Sensorimotor Deficits In Paediatric Post-stroke Dystonia: An MEG Study

Sima Buchnak (The Hospital For Sick Children Research Institute and the Institute of Biomedical Engineering at the University of Toronto); **Prisca Hsu** (The Hospital For Sick Children Research Institute); **Gloria Lai** (The Hospital For Sick Children Research Institute); **Cecilia Jobst** (The Hospital For Sick Children Research Institute); **Trish Domi** (The Hospital For Sick Children Research Institute); **Nomazulu Dlamini** (The Hospital For Sick Children Research Institute); **Douglas Cheyne** (The Hospital For Sick Children Research Institute)

P2.67 | Expect Nothing: Is There A Sensory Representation For The Prediction Of Silence?

Valeria Baragona (Wilhelm Wundt Institute for Psychology, Leipzig University, Leipzig, Germany; Max Planck School of Cognition, Leipzig, Germany); **Erich Schröger** (Wilhelm Wundt Institute for Psychology, Leipzig University, Leipzig, Germany; Max Planck School of Cognition, Leipzig, Germany); **Andreas Widmann** (Wilhelm Wundt Institute for Psychology, Leipzig University, Leipzig, Germany)

15:30 POSTER SESSION 2 P 2.1 - 2.68 main hall 1st floor

P2.68 | Prosody Meets Context: fMRI Evidence of Intention Comprehension in Second Language Learners

Victoria-Anne Flood (Tohoku University); **Motoaki Sugiura** (Tohoku University); **Hyeonjeong Jeong** (Tohoku University)

P3.01 | Functional Connectivity Estimation Improves When Using Multivariate Approaches

Adelia-Solás Martínez-Évora (Center for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain; Department of Radiology, Universidad Complutense de Madrid, Madrid, Spain); **Pablo Cuesta** (Center for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain; Department of Radiology, Universidad Complutense de Madrid, Madrid, Spain); **Federico Ramírez-Toraño** (Center for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain.; Department of Experimental Psychology, Universidad Complutense de Madrid, Madrid, Spain); **Isabel Suárez-Méndez** (enter for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain; Department of Structure of Matter, Thermal Physics, and Electronics, Universidad Complutense de Madrid, Madrid, Spain); **Ernesto Pereda** (Center for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain.; Electrical Engineering and Bioengineering Group, Departamento de Ingeniería Industrial, Instituto Universitario de Neurociencia (IUNE) e Instituto de Tecnología Biomédica (ITB), University of La Laguna, San Cristóbal de La Laguna, Tenerife, Spain.); **Carmen Camara** (Center for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain.; Department of Computer Science, Universidad Carlos III de Madrid, Avda. Universidad 30, 28911 Leganés, Madrid, Spain); **Ricardo Bruña** (Center for Cognitive and Computational Neuroscience (C3N), Universidad Complutense de Madrid, Madrid, Spain.; Department of Radiology, Universidad Complutense de Madrid, Madrid, Spain.; Instituto de Investigación Sanitaria San Carlos, IdISSC, Madrid, Spain)

P3.02 | Respiratory Phase Modulates Aperiodic Neural Dynamics Across Wakefulness And Sleep States

Andrea Sánchez Corzo (Department of Psychology, Ludwig-Maximilians-Universität München, München, Germany); **Esteban Bullón Tarrasó** (Department of Psychology, Ludwig-Maximilians-Universität München, München, Germany); **Martina Saltafossi** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany; Otto Creutzfeldt Center for Cognitive and Behavioral Neuroscience, University of Münster, Münster, Germany); **Teresa Berther** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany; Otto Creutzfeldt Center for Cognitive and Behavioral Neuroscience, University of Münster, Münster, Germany); **Daniel S. Kluger** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Münster, Germany; Otto Creutzfeldt Center for Cognitive and Behavioral Neuroscience, University of Münster, Münster, Germany); **Thomas Schreiner** (Department of Psychology, Ludwig-Maximilians-Universität München, München, Germany)

P3.03 | Error-Related Negativity (ERN) And Brain Oscillations Are Highly Heritable Trait In Young Adults: Evidence From A Twin Study

Andrey Anokhin (Washington University School of Medicine, USA); **Semyon Golosheykin** (Washington University School of Medicine, USA)

P3.04 | Tracking Neural Dynamics Of The Relational Eye-movement Effect During Memory Retrieval

Andrey R. Nikolaev (Lund University, Sweden); **Roger Johansson** (Lund University, Sweden); **Inês Bramão** (Lund University, Sweden); **Mikael Johansson** (Lund University, Sweden)

P3.05 | Bi Manual Dual Task Interference Reduces Beta Desynchronization During Motor Execution

Armin Hakkak Moghadam Torbati (Universite libre de Bruxelles (ULB)); **Chrisitian Georgiev** (Universite libre de Bruxelles (ULB)); **Daria Digileva** (Universite libre de Bruxelles (ULB)); **Nicolas Yanguma Muñoz** (Universite libre de Bruxelles (ULB)); **Gilles Naeije** (Universite libre de Bruxelles (ULB)); **Pierre Cabaraux** (Universite libre de Bruxelles (ULB)); **Mathieu Bourguignon** (Universite libre de Bruxelles (ULB))

P3.06 | Beat Perception: A Window On The Neural Mechanisms Underlying The Detection Of Non-adjacent Dependencies

Bianca Franzoia (University of Barcelona); **Nicola Molinaro** (Basque Center on Cognition, Brain and Language); **Ruth de Diego Balaguer** (University of Barcelona)

P3.07 | Lavi: A New Tool For Parameterizing The Electrophysiological Spectrum And Identifying Rhythmicity Bands

Golan Karvat (MRC Cognition and Brain Sciences Unit, University of Cambridge, United Kingdom); **Maité Crespo-García** (MRC Cognition and Brain Sciences Unit, University of Cambridge, United Kingdom); **Gal Vishne** (Edmond and Lily Safra Center for brain sciences, The Hebrew University of Jerusalem, Israel); **Michael C Anderson** (MRC Cognition and Brain Sciences Unit, University of Cambridge, United Kingdom (co-senior author)); **Ayelet N. Landau** (The Department of Experimental Psychology, University College London (UCL), United Kingdom; The Department of Psychology and the Department of Cognitive and Brain Sciences, The Hebrew University of Jerusalem, Israel (co-senior author))

P3.08 | The Moderating Role Of Neuroticism In The Relationships Between Social Cognition, Device-measured Digital Behavior, And Social Media Addiction

Hye Yoon Park (Department of Psychiatry, Yongin Severance Hospital, Yonsei University College of Medicine, Yongin, Republic of Korea); **Ha-im Lee** (Institute of Behavioral Sciences in Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea); **Soonsil Ko** (Center for Digital Health, Yongin Severance Hospital, Yonsei University Health System, Yongin, Gyeonggi, Republic of Korea); **Sehwan Park** (Medical research team, Digital Medic co., Ltd., Seoul, Republic of Korea); **Jin Young Park** (Department of Psychiatry, Yongin Severance Hospital, Yonsei University College of Medicine, Yongin, Republic of Korea)

P3.09 | Pupil Size Reflects The Attenuation Of Motor Fatigability By Reward

Jenny Imhof (Neural Control of Movement Lab, Dept. of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland); **Caroline Heimhofer** (Neural Control of Movement Lab, Dept. of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland); **Marc Bächinger** (Neural Control of Movement Lab, Dept. of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland); **Richard Ramsey** (Neural Control of Movement Lab, Dept. of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland); **Nicole Wenderoth** (Neural Control of Movement Lab, Dept. of Health Sciences and Technology, ETH Zurich, Zurich, Switzerland)

P3.10 | Four-dimensional Neural Space For Moral Inference

Jinglu Chen (Turku PET Centre, Turku University Hospital and University of Turku, Turku, Finland; Turku University Hospital, Turku, Finland); **Severi Santavirta** (Turku PET Centre, Turku University Hospital and University of Turku, Turku, Finland; Turku University Hospital, Turku, Finland); **Vesa Putkinen** (Turku PET Centre, Turku University Hospital and University of Turku, Turku, Finland; Turku University Hospital, Turku, Finland; Turku Institute for Advanced Studies, University of Turku, Finland); **Paulo Sérgio Boggio** (Social and Cognitive Neuroscience Laboratory, Mackenzie Presbyterian University, São Paulo, Brazil; National Institute of Science and Technology on Social and Affective Neuroscience (INCT-SANI), São Paulo, Brazil); **Lauri Nummenmaa** (Turku PET Centre, Turku University Hospital and University of Turku, Turku, Finland; Turku University Hospital, Turku, Finland; Department of Psychology, University of Turku, Turku, Finland)

P3.11 | Selectivity Of Medial Temporal Lobe Neurons During Encoding And Recall Of A Working Memory Task

Aarti Swaminathan (Dept. of Neuropsychology, Institute of Cognitive Neuroscience, Ruhr University Bochum, Germany); **Mohammad Khazali** (Epilepsy Center, Medical Center – University of Freiburg, Faculty of Medicine, University of Freiburg, Freiburg, Germany); **Daniel Pacheco-Estefan** (Department of Basic, Developmental and Educational Psychology, Faculty of Psychology, Autonomous University of Barcelona, Spain); **Marie Christin-Fellner** (Dept. of Neuropsychology, Institute of Cognitive Neuroscience, Ruhr University Bochum, Germany); **Hui Zhang** (Dept. of Neuropsychology, Institute of Cognitive Neuroscience, Ruhr University Bochum, Germany); **Peter C. Reinacher** (Epilepsy Center, Medical Center – University of Freiburg, Faculty of Medicine, University of Freiburg, Freiburg, Germany); **Armin Brandt** (Epilepsy Center, Medical Center – University of Freiburg, Faculty of Medicine, University of Freiburg, Freiburg, Germany); **Lukas Kunz** (Department of Epileptology, University Hospital Bonn, Germany); **Andreas Schulze-Bonhage** (Epilepsy Center, Medical Center – University of Freiburg, Faculty of Medicine, University of Freiburg, Freiburg, Germany); **Nikolai Axmacher** (Dept. of Neuropsychology, Institute of Cognitive Neuroscience, Ruhr University Bochum, Germany)

P3.12 | Expatt: Temporal Signatures Of Expectation And Attention Effects On Visual Information Processing In The Human Brain

Antoniya Boyanova (University Medical Center Hamburg-Eppendorf); **Arjen Alink** (University Medical Center Hamburg-Eppendorf)

P3.13 | Lyapunov Exponent Of Eeg Signal As A Marker Of Brain Development And Emotion Perception

Diana Arman (Kazakh British University); **Bauyrzhan Zhakenov** (Kazakh British University); **Manzura Zholdassova** (Al-Farabi Kazakh National University, Brain Institute); **Altyngul Kamzanova** (Al-Farabi Kazakh National University, Brain Institute); **Almira Kustubayeva** (Al-Farabi Kazakh National University, Brain Institute)

P3.14 | Strategic Blinking In Cognitive Tasks Improves Performance And Varies Across The Lifespan

Isabell C Pitigoi (Queen's University); **Don C Brien** (Queen's University); **Heidi C Riek** (Queen's University); **Blake K Noyes** (Queen's University); **Rachel Yep** (Queen's University); **Olivia G Calancie** (Queen's University); **Ryan H Kirkpatrick** (Queen's University); **Brian C Coe** (Queen's University); **Michele Morningstar** (Queen's University); **Douglas P Munoz** (Queen's University)

P3.15 | Neural Geometry Dynamics Of Working Memory-guided Actions

Ivan Padezhki (Mind, Brain and Behavior Research Center, University of Granada); **Juan Linde-Domingo** (Mind, Brain and Behavior Research Center, University of Granada); **Carlos González-García** (Mind, Brain and Behavior Research Center, University of Granada)

P3.16 | Modality-dependent Shifts In Source Memory Retrieval: Electrophysiological Insights Obtained From Two Virtual Reality Studies

Joanna Kisker (Experimental Psychology I, Institute of Psychology, Osnabrück University, Osnabrück, Germany)

P3.17 | Sensorimotor Delays Do Not Speak Against Pure Speech Feedback Control

Johannes Kasper (CoBIC Goethe University Frankfurt Germany); **Christian A. Kell** (CoBIC Goethe University Frankfurt Germany); **Pascal Perrier** (Univ. Grenoble Alpes CNRS INP GIPSA-lab Grenoble France)

P3.18 | Action-guided Reactivation Of Sequential Memory Traces In Humans

Julia Katharina Schaefer (LMU Munich); **Aditya Chowdhury** (LMU Munich); **Tobias Staudigl** (LMU Munich)

P3.19 | Ocular Images Of Amyloid PET For Detection Of Alzheimer's Disease

KANGHO CHOI (Department of Neurology, Chonnam National University Medical School and Hospital); **Ja-Hae Kim** (Department of Nuclear Medicine, Chonnam National University Medical School and Hospital); **Hye-Jung Yoon** (Department of Neurology, Chonnam National University Medical School and Hospital); **Seo-Young Choi** (Department of Nuclear Medicine, Chonnam National University Medical School and Hospital)

P3.20 | Assessing Preschoolers' Complex Action Processing In A Stacking Game Using Fnirs

Lea Haerms (Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany; University of Mannheim, Germany); **Laura Maffongelli** (University of Lübeck, Germany); **Charlotte Grosse Wiesmann** (Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany; University of Technology Nuremberg, Germany); **Markus Paulus** (Ludwig-Maximilians-University Munich, Germany); **Angela D. Friederici** (Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany); **Nicole Altvater-Mackensen** (University of Mannheim, Germany)

P3.21 | Effector-specific Decision-making In A Speeded Task Using Myoelectric Interface: Parallel Vs Serial Processing In Proximal Vs Distal Muscles

Liang Tong (University College Dublin); **Simon Kelly** (University College Dublin); **Elaine Corbett** (University College Dublin)

P3.22 | Tracking the Reinstatement of Semantic and Emotional Information during Episodic Memory Retrieval

Linn Petersdotter (Department of Psychology, Lund University, Sweden); **Sterre van de Langenberg** (Department of Psychology, University of Hamburg, Germany); **Inês Bramão** (Department of Psychology, Lund University, Sweden); **Mikael Johansson** (Department of Psychology, Lund University, Sweden)

P3.23 | High Temporally Modulated Emotional Sounds Suggest The Existence Of Magnocellular Auditory Pathways For Threat Detection In Humans

Martina-Trisia Cinca-Tomás (Brainlab – Grup de Recerca en Neurociència Cognitiva, Departament de Psicologia Clínica i Psicobiologia, Universitat de Barcelona (UB), Spain); **Emmanouela Kosteletou-Kassotaki** (Brainlab – Grup de Recerca en Neurociència Cognitiva, Departament de Psicologia Clínica i Psicobiologia, Universitat de Barcelona (UB), Spain); **Jordi Costa-Faidella** (Brainlab – Grup de Recerca en Neurociència Cognitiva, Departament de Psicologia Clínica i Psicobiologia, Universitat de Barcelona (UB), Spain); **Carles Escera** (Brainlab – Grup de Recerca en Neurociència Cognitiva, Departament de Psicologia Clínica i Psicobiologia, Universitat de Barcelona (UB), Spain); **Judith Domínguez-Borràs** (Brainlab – Grup de Recerca en Neurociència Cognitiva, Departament de Psicologia Clínica i Psicobiologia, Universitat de Barcelona (UB), Spain)

P3.24 | Dissociating Neural Pathways For Selective Attention In The Prefrontal Cortex

Mattia Ravasio (University of Trento); **Daniel Baldauf** (University of Trento); **Paul Muhle-Karbe** (University of Birmingham)

P3.25 | Facing Reality: A Joint Mobile EEG And Virtual Reality Study Of Dynamic Face Processing And Recognition Using Virtual Avatars

Merle Sagehorn (Experimental Psychology I, Institute for Psychology, Osnabrück University, Osnabrück, Germany); **Benjamin Schöne** (Department of Psychology, Norwegian University of Science and Technology, Trondheim, Norway)

P3.26 | Neural Correlates Of Out-of-the-loop : The Role Of Trust And Vigilance In Supervising Automation

Mike Salomone (Université Grenoble Alpes, Laboratoire de psychologie et neurocognition, CNRS, France); **Anne Guerin-Dugué** (GIPSA-Lab, Université Grenoble Alpes, CNRS, Grenoble INP, France); **Bruno Berberian** (Office National d'Etudes et de Recherches Aérospatiales, Salon-de-Provence, France); **Anton Andreev** (GIPSA-Lab, Université Grenoble Alpes, CNRS, Grenoble INP, France); **Bertille Somon** (Office National d'Etudes et de Recherches Aérospatiales, Salon-de-Provence, France); **Martial Mermillod** (Université Grenoble Alpes, Laboratoire de psychologie et neurocognition, CNRS, France); **Aurélié Campagne** (Université Grenoble Alpes, Laboratoire de psychologie et neurocognition, CNRS, France)

P3.27 | Emotional Modulation Of The Acoustic Startle Response In Healthy Young Adults

Miriam S. Nokia (Dept. of Psychology, University of Jyväskylä, Jyväskylä, Finland); **Jan Wikgren** (Dept. of Psychology, University of Jyväskylä, Jyväskylä, Finland)

P3.28 | Assessment of Galectin-3 Expression in the Retino-Cortico-Hippocampal Tract of Glaucomatous Rats Comorbid with Neuroinflammation

Naomi Joshua (Babcock University); **Adeshina Oloruntoba Adekeye** (Afe Babalola University); **Edem Ekpenyong Edem** (Afe Babalola University); **Toluwase Solomon Olawuyi** (Federal University of Technology Akure); **Adedamola Adediran Fafure** (Afe Babalola University); **Arietarhire Leviticus** (Babcock University); **Obinna Kelechi Okorie** (Afe Babalola University)

P3.29 | Break Unfold: Limitations, Caveats, and Best-practices for Overlap Corrected Regression ERP Analyses

René Skukies (University of Stuttgart - Stuttgart Center for Simulation Science); **Benedikt Ehinger** (University of Stuttgart - Stuttgart Center for Simulation Science)

P3.30 | The minimal exposure durations required for perceiving and embodying emotion

Renzo Lanfranco (Karolinska Institutet); **Luis Bulnes** (Vrije Universiteit Brussel); **Axel Cleeremans** (Université libre de Bruxelles)

P3.31 | Establishing the age-related link between the cortical processing of postural sway and peripheral sensory acuity

Scott J. Mongold (Université libre de Bruxelles); **Thomas Legrand** (University College Dublin); **Christian Georgiev** (Université libre de Bruxelles); **Gilles Naeije** (Université libre de Bruxelles); **Marc Vander Ghinst** (Université libre de Bruxelles); **Mathieu Bourguignon** (Université libre de Bruxelles)

P3.32 | Stimulus-driven Selection Of Internal Representations In Visual Working Memory: Behavioural Consequences And Oculomotor Dynamics

Anna van Harmelen (Institute for Brain and Behaviour Amsterdam, Department of Experimental and Applied Psychology, Vrije Universiteit Amsterdam, the Netherlands); **Laurie Rol** (Institute for Brain and Behaviour Amsterdam, Department of Experimental and Applied Psychology, Vrije Universiteit Amsterdam, the Netherlands); **Freek van Ede** (Institute for Brain and Behaviour Amsterdam, Department of Experimental and Applied Psychology, Vrije Universiteit Amsterdam, the Netherlands)

P3.33 | How Cultural Priming And Personality Traits Modulate The Brain's Response To Opera: An Eeg Neuroaesthetic Study

Bianca Maria Serena Inguscio (Sapienza University of Rome, Italy; BrainSigns Srl, Italy); **Dario Rossi** (Sapienza University of Rome, Italy; BrainSigns Srl, Italy); **Elvira Brattico** (Aarhus University & The Royal Academy of Music Aarhus/Aalborg, Aarhus, Denmark; University of Bari, Aldo Moro, Italy); **Fabio Babiloni** (Sapienza University of Rome, Italy; BrainSigns Srl, Italy; Hangzhou Dianzi University, Hangzhou, China)

P3.34 | Neurophysiological Markers of Cardiac Interoceptive Processing in First-Time Expectant Mothers

Patrícia Vilela Braga (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal), **Amanda Marshall** (Department of Psychology, General and Experimental Psychology Unit, Ludwig-Maximilians-Universität München, Germany), **Diogo Lamela** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal), **Inês Jongenelen** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal), **Nuno Barbosa Rocha** (TBIO/E2S, Polytechnic of Porto, Portugal), **Raquel Costa** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal; EPIUnit - Instituto de Saúde Pública, Universidade do Porto, Portugal; Laboratório para a Investigação Integrativa e Translacional em Saúde Populacional (ITR), Universidade do Porto, Portugal), **Rita Pasion** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal), **Simone Schütz-Bosbach** (Department of Psychology, General and Experimental Psychology Unit, Ludwig-Maximilians-Universität München, Germany), **Tiago Miguel Pinto** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal), **Ruth Feldman** (Center for Developmental Social Neuroscience, Baruch Ivcher School of Psychology, Reichman University, Israel), **Carlos Campos** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs, Portugal; LabRP/CIR, E2S, Polytechnic of Porto, Portugal)

10:45 POSTER SESSION 3 P 3.1 - 3.69 main hall 1st floor

P3.35 | Erp Study Of Brain Activity During Emotional Conflict Task Performance In Depressed Adolescent

D.M. ISKAKOVA (al-Farabi Kazakh National University); **A.S. SITAKANOVA** (Asfendiyarov Kazakh National Medical University); **A.A. NURMANBETOVA** (al-Farabi Kazakh National University); **A.M. KUSTUBAYEVA** (al-Farabi Kazakh National University); **M.K. ZHOLDASSOVA** (al-Farabi Kazakh National University); **A.T. KAMZANOVA** (al-Farabi Kazakh National University)

P3.36 | The Impact Of Auditory Rhythmic Stimulation And Spontaneous Motor Tempo (smt) On Performance In A Dynamic Search Task

Flor Kusnir (Departments of Psychology and Cognitive Sciences, Hebrew University of Jerusalem); **Talya Shlesinger-Arad** (Departments of Psychology and Cognitive Sciences, Hebrew University of Jerusalem); **Leah Snapiri** (Departments of Psychology and Cognitive Sciences, Hebrew University of Jerusalem); **Nir Shalev** (Department of Gerontology & The Institute of Information Processing and Decision Making, University of Haifa, Israe); **Ayelet N. Landau** (Departments of Psychology and Cognitive Sciences, Hebrew University of Jerusalem; 2.Department of Experimental Psychology, University College London, UK)

P3.37 Mu Rhythm Desynchronization During Action Execution, Observation, And Imagery: Genuine Sensorimotor Activation Or Attentional Effect?

Gaia Palma (University of Ferrara, Department of Neurosciences and Rehabilitation,Via Fossato di Mortara, 17-19, Ferrara, Italy); **Giovanni Nazzaro** (IIT@UniFe Center for Translational Neurophysiology of Speech and Communication, Istituto Italiano di Tecnologia, Via Fossato di Mortara, 17-19, Ferrara, Italy); **Thierry Pozzo** (INSERM UMR1093-CAPS, Université Bourgogne Franche-Comté, UFR des Sciences du Sport, F-21000, Dijon); **Luciano Fadiga** (IIT@UniFe Center for Translational Neurophysiology of Speech and Communication, Istituto Italiano di Tecnologia, Via Fossato di Mortara, 17-19, Ferrara, Italy)

P3.38 | Association Between Amyloid Burden On Pet And Binary Electroencephalography Results

Jahae Kim (Honnam National University Medical School and Hospital); **Seo-young Choi** (Chonnam National University); **Hye-jung Yoon** (Chonnam National University); **Hye-jin Kim** (Chonnam National University Medical School); **Kang-ho Choi** (Honnam National University Medical School and Hospital)

P3.39 | Dizocilpine Derivatives As Neuroprotective NMDA Receptor Antagonists Without Psychomimetic Side Effects

Jakub Netolicky (Institute of Experimental Medicine of the Czech Academy of Sciences, Videnska 1083, Prague 4 14200, Czech Republic.); **Anna Misiachna** (Institute of Experimental Medicine of the Czech Academy of Sciences, Videnska 1083, Prague 4 14200, Czech Republic.); **Jan Konečný** (University Hospital Hradec Kralove, Biomedical Research Center, Sokolska 581, Hradec Kralove 500 05, Czech Republic); **Jan Korabecny** (University Hospital Hradec Kralove, Biomedical Research Center, Sokolska 581, Hradec Kralove 500 05, Czech Republic); **Ondrej Soukup** (University Hospital Hradec Kralove, Biomedical Research Center, Sokolska 581, Hradec Kralove 500 05, Czech Republic); **Martin Horák** (Institute of Experimental Medicine of the Czech Academy of Sciences, Videnska 1083, Prague 4 14200, Czech Republic)

P3.40 | Acute And Chronic Assessment Of A Novel Psilocin And Psilocybin Formulation In Mice Reveals Multiple Sex Differences

Jordan Reekie (University of Saskatchewan, Saskatoon SK, Canada); **Robert B. Laprairie** (University of Saskatchewan, Saskatoon SK, Canada)

10:45 POSTER SESSION 3 P 3.1 - 3.69 main hall 1st floor

P3.41 | Neuronal Oscillations Predict Un-cued Task Switching In The Wisconsin Card Sorting Test

Judith Sattelberger (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki, Finland); **Hamed Haque** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki, Finland); **Mengxing Liu** (School of Medicine, Tufts University, USA); **Jaana Simola** (Faculty of Educational Sciences, University of Helsinki, Finland); **J Matias Palva** (Department of Neuroscience and Bioengineering, Aalto University, Finland); **Michael Halassa** (School of Medicine, Tufts University, USA); **Satu Palva** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki, Finland; School of Psychology and Neuroscience, University of Glasgow, UK)

P3.42 | Role Of The Lateral Prefrontal Cortex On Distracting Sound Processing: A Human Lesion Study

Léane Morineau (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Rémy Masson** (Université Claude Bernard Lyon 1, INSERM, CNRS, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, F-69500, Bron, France); **Clara Fonteneau** (Université Claude Bernard Lyon 1, INSERM, CNRS, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, F-69500, Bron, France); **Robert T Knight** (Department of Psychology and the Helen Wills Neuroscience Institute, University of California, Berkeley, USA); **Aurélie Bidet-Caulet** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France)

P3.43 | Disturbed Sense Of Agency In Obsessive-Compulsive Disorder And Its Modulation By Social Context

Manuel Jan Roth (Tübingen Center for Mental Health, Department of Psychiatry and Psychotherapy, University Hospital of Tübingen, Germany. Dynamic Cognition Group, Max Planck Institute for Biological Cybernetics); **Axel Lindner** (Tübingen Center for Mental Health, Department of Psychiatry and Psychotherapy, University Hospital of Tübingen, Germany. Center of Neurology, Division of Neuropsychology, Hertie Institute for Clinical Brain Research, University of Tübingen, Tübingen, Germany); **Andreas J Fallgatter** (Tübingen Center for Mental Health, Department of Psychiatry and Psychotherapy, University Hospital of Tübingen, Germany. German Center for Mental Health (DZPG), partner site Tübingen, Germany); **Andreas Wittorf** (Tübingen Center for Mental Health, Department of Psychiatry and Psychotherapy, University Hospital of Tübingen, Germany); **Aiste Jusyte** (Tübingen Center for Mental Health, Department of Psychiatry and Psychotherapy, University Hospital of Tübingen, Germany)

P3.44 | Testing feedback and feedforward mechanisms through a TMS-EEG experiment

María Melcón (Departamento de Psicología Biológica y de la Salud, Facultad de Psicología, Universidad Autónoma de Madrid, Madrid 28049, Spain & School of Psychology and Neuroscience, University of Glasgow, Glasgow, G12 8QB, UK); **Gabriela Cruz** (School of Psychology and Neuroscience, University of Glasgow, Glasgow, G12 8QB, UK); **Domenica Veniero** (School of Psychology, University of Nottingham, Nottingham, NG7 2RD, UK); **Jelena Trajkovic** (Department of Cognitive Neuroscience, Faculty of Psychology and Neuroscience, Maastricht University, 6229 ER, Netherlands); **Marias Palva** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki, Haartmaninkatu 3, 00014 Helsinki, Finland & Department of Neuroscience and Biomedical Engineering, Aalto University, Espoo, Finland); **Satu Palva** (School of Psychology and Neuroscience, University of Glasgow, Glasgow, G12 8QB, UK & Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki, Haartmaninkatu 3, 00014 Helsinki, Finland); **Gregor Thut** (Centre de Recherche Cerveau et Cognition (CerCo), CNRS UMR5549 and Université de Toulouse, 31059 Toulouse, France & School of Psychology and Neuroscience, University of Glasgow, Glasgow, G12 8QB, UK)

P3.45 | Eyes On Memory: How Attention Shapes Forgetting Across Age And Time

Marika Mauti (Sapienza University of Rome); **Moreno I. Coco** (Sapienza University of Rome)

P3.46 | Now You See Me: The Implicit Effects Of Invisible Flickers

Maya Inbar (The Hebrew University of Jerusalem, IL); **Meir Horovitz** (The Hebrew University of Jerusalem, IL); **Talya Shlesinger-Arad** (The Hebrew University of Jerusalem, IL); **Ayelet N. Landau** (University College London, UK & The Hebrew University of Jerusalem, IL)

P3.47 | Bilateral Intermittent Theta Burst Stimulation Modulates Thalamo-cortical Functional Connectivity And Improves Motor And Non-motor Symptoms In Parkinson's Disease

Paloma Macias-Garcia (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Spain); **Raul Rashid-Lopez** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Spain; Neurology Department, Puerta del Mar University Hospital, Cadiz, Spain); **Alvaro J. Cruz-Gomez** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain); **F. Luis Sanchez-Fernandez** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain); **Esteban Sarrias-Arrabal** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain); **Elena Lozano-Soto** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain); **Fatima Cano-Cano** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain); **Florencia Sanmartino** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain); **Raul Espinosa-Rosso**4Co-Author: **Javier J. Gonzalez-Rosa** (Institute of Biomedical Research Cadiz (INIBICA), Cadiz, Spain; Department of Psychology, University of Cadiz, Cadiz, Spain)

P3.48 | The Influence Of Scene Context On Perceptual Reality Monitoring

Paz Bar-Tal (University College London); **Marius Peelen** (Radboud University); **Hugo Spiers** (University College London); **Nadine Dijkstra** (University College London)

P3.49 | Exploring The Link Between Maternal Sensitivity And Touch Behaviors And Brain Response To Joint Attention Contexts In 10-month-old Infants

Pedro Mateus (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Mariana Carvalho** (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Mónica Sobral** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal; Human Developmental Sciences Graduate Program and Mackenzie Center for Research in Childhood and Adolescence, Center for Biological and Health Sciences, Mackenzie Presbyterian University, São Paulo, Brazil); **Sara Cruz** (The Psychology for Development Research Center, Lusíada University of Porto, Portugal); **Ana Osório** (Human Developmental Sciences Graduate Program and Mackenzie Center for Research in Childhood and Adolescence, Center for Biological and Health Sciences, Mackenzie Presbyterian University, São Paulo, Brazil); **Ana Ganho Ávila** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Vera Mateus** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal)

P3.51 | The Human Jukebox: Revealing The Neural Dynamics Of Music Recognition With Intracranial Eeg

Riccardo Cusinato (Institute of Computer Science, University of Bern, 3012 Bern, Switzerland); **Camille Mignardot** (Center for Experimental Neurology - Sleep Wake Epilepsy Center - NeuroTec, Department of Neurology, Inselspital Bern, University Hospital, University of Bern, 3010 Bern, Switzerland); **Maxime O. Baud** (Center for Experimental Neurology - Sleep Wake Epilepsy Center - NeuroTec, Department of Neurology, Inselspital Bern, University Hospital, University of Bern, 3010 Bern, Switzerland); **Athina Tzovara** (Institute of Computer Science, University of Bern, 3012 Bern, Switzerland)

10:45 POSTER SESSION 3 P 3.1 - 3.69 main hall 1st floor

P3.52 | Temporal dynamics of brain activity in relation to pain and stress measures in patients with chronic primary pain

Salome Häuselmann (Psychosomatic Medicine, Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Switzerland); **Anna Wyss** (Psychosomatic Medicine, Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Switzerland; University Hospital of Psychiatry and Psychotherapy, University of Bern, Switzerland); **Samantha Weber** (Psychosomatic Medicine, Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Switzerland; Department of Adult Psychiatry and Psychotherapy, University Hospital of Psychiatry Zurich, University of Zurich, Switzerland; Faculty of Medicine, University of Zurich, Switzerland); **Nicolas Gninenko** (Psychosomatic Medicine, Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Switzerland; Faculty of Science and Medicine, Department of Neurology, University of Fribourg, Switzerland); **Chantal Berna** (Centre de Médecine Intégrative et Complémentaire, Lausanne University Hospital, Switzerland); **Rupert Bruckmaier** (Veterinary Physiology, Vetsuisse Faculty, University of Bern, Switzerland); **Josef Gross** (Veterinary Physiology, Vetsuisse Faculty, University of Bern, Switzerland); **Nina Bischoff** (Psychosomatic Medicine, Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Switzerland); **Martin grosse Holtforth** (Psychosomatic Medicine, Department of Neurology, Inselspital, Bern University Hospital, University of Bern, Switzerland; Institute of Psychology, University of Bern, Switzerland); **Selma Aybek** (Faculty of Science and Medicine, Department of Neurology, University of Fribourg, Switzerland)

P3.53 | Pupil Dilation And Eye Movements Track Emotion Content In Natural Speech

Sümeyye Şen Alpay (University of Dundee); **Christian Keitel** (University of Dundee); **Yuki Kamide** (University of Dundee); **Anne Keitel** (University of Dundee)

P3.54 | How do Attention And Experience Interact With The Cocktail Party Problem?

Thaiz Priscilla Sánchez-Costa (Centro Interdisciplinario en Cognición para la Enseñanza y el Aprendizaje, Universidad de la República, Uruguay); **María Alejandra Carboni** (Centro de Investigación Básica en Psicología, Universidad de la República, Uruguay); **Francisco Cervantes Constantino** (Centro de Investigación Básica en Psicología, Universidad de la República, Uruguay)

P3.55 | Increased Subjective Feeling Of Ownership In Microgravity And Stable Sense Of Agency Are Associated With Task Load: A Virtual Tool-use Training In Simulated Gravitational Physics

Amir Jahanian Najafabadi (Bielefeld University)

P3.56 | Around The Clock: Physiological Markers Of Lapses In Attention During Sustained Task Performance

Emily Kerry Cunningham (University of Stirling); **Magdalena Ietswaart** (University of Stirling); **Christian Keitel** (University of Dundee)

P3.57 | Cardio-audio Regularity Encoding Modulates Pupillary Responses Over Time

Giovanni Chiarion (Department of Clinical Neurosciences (DNC), University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland; Centre for Biomedical Imaging (CIBM), Lausanne, Switzerland); **Andria Pelentritou** (Department of Clinical Neurosciences (DNC), University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland); **Sophie Schwartz** (Department of Neuroscience, Faculty of Medicine & Swiss Center for Affective Sciences, University of Geneva, Geneva, Switzerland); **Marzia De Lucia** (Department of Clinical Neurosciences (DNC), University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland; Centre for Biomedical Imaging (CIBM), Lausanne, Switzerland)

P3.58 | Functional And Structural Brain Correlates Associated With Proactive Interference And Healthy Aging

Harry T. A. Moore (Department of Psychology, Catholic University of Murcia, Spain; Psychological Neuroscience Laboratory (PNL), Research Center in Psychology (CIPsi), School of Psychology, University of Minho, Braga, Portugal); **Miguel Ángel Rivas Fernández** (Division of Endocrinology, Diabetes and Metabolism, Children's Hospital Los Angeles); **Adriana Sampaio** (Psychological Neuroscience Laboratory (PNL), Research Center in Psychology (CIPsi), School of Psychology, University of Minho, Braga, Portugal); **Diego Pinal Fernández** (Psychological Neuroscience Laboratory (PNL), Research Center in Psychology (CIPsi), School of Psychology, University of Minho, Braga, Portugal)

P3.60 | Exploring Auditory-motor Neural Processing Of Self-produced Overt Speech

Iida Aakko (University of Helsinki); **Petri Pulli** (University of Eastern Finland); **Jaakko Kauramäki** (University of Helsinki); **Riikka Möttönen** (University of Helsinki); **Satu Saalasti** (University of Eastern Finland)

P3.61 | Attention But Not Expectation Modulates Visually Evoked Potentials

J.M García-Román (University of Granada (UGR) and Mind, Brain and Behavior Research Center (CIMCYC)); **F. Gutiérrez-Blanco** (University of Granada (UGR) and Mind, Brain and Behavior Research Center (CIMCYC)); **David Richter** (University of Granada (UGR) and Mind, Brain and Behavior Research Center (CIMCYC)); **María Ruz** (University of Granada (UGR) and Mind, Brain and Behavior Research Center (CIMCYC))

P3.62 | Reviss: Towards The Development Of Relaxing Visual Stimuli Set For Emotion Induction

Martyna Olszewska (Nicolaus Copernicus University in Toruń); **Ewa Ratajczak** (Nicolaus Copernicus University in Toruń)

P3.63 | Walking Modulates Visual And Auditory Perception According To Stride-cycle Phase

Matt Davidson (University of Technology Sydney); **Gabriel Clouston** (University of Sydney); **Frans Verstraten** (University of Sydney); **David Alais** (University of Sydney)

P3.64 | Effects Of Social Interaction On Foreign Word Learning In Virtual Reality (VR)

Najla Azaiez (Department of Psychology, University of Jyväskylä, Finland); **Xueqiao Li** (Department of Psychology, University of Jyväskylä, Finland); **Shun Liu** (Department of Psychology, University of Jyväskylä, Finland; Department of Education, Hunan First Normal University, China); **Piia Astikainen** (Department of Psychology, University of Jyväskylä, Finland)

P3.65 | Spontaneous Alpha-band Lateralization Boosts Initial Stimulus Availability In Iconic Memory By Modulating Occipital Cortical Excitability

Paul Smith (University of Münster); **Prof. Dr. Niko Busch** (University of Münster)

10:45 POSTER SESSION 3 P 3.1 - 3.69 main hall 1st floor

P3.66 | Mapping Control Over The Attention Allocation In Working Memory Using Modified Sternberg Paradigm With Meg

Semyon Mening (Higher School of Economics); **Nikita Otstavnov** (Higher School of Economics); **Tommaso Fedele** (Children's Hospital University of Zurich)

P3.67 | Saccade-pursuit Coordination With Simulated Central Vision Loss

Sydney Doré (Queen's University, Kingston, ON, Canada); **Jenna Black** (Queen's University, Kingston, ON, Canada); **Aarlenne Z Khan** (School of Optometry, Université de Montréal, Montréal, Canada); **Gunnar Blohm** (Queen's University, Kingston, ON, Canada)

P3.68 | The Effect Of Sensory Modalities Of Naturalistic Stimuli On Emotion Recognition

Yongseong Lee (Cognitive Science Research Group, Korea Brain Research Institute, Daegu, Republic of Korea); **Youngju Lee** (Cognitive Science Research Group, Korea Brain Research Institute, Daegu, Republic of Korea); **Dongha Lee** (Cognitive Science Research Group, Korea Brain Research Institute, Daegu, Republic of Korea)

P3.69 | Neural Adaptation In Response To Vocal And Emotional Sounds Throughout Development

Zoé Ranty (Université de Tours, INSERM, Imaging Brain and Neuropsychiatry iBraIN U1253, 37032, Tours, France); **Annabelle Merchie** (Université de Tours, INSERM, Imaging Brain and Neuropsychiatry iBraIN U1253, 37032, Tours, France); **Marie Gomot** (Université de Tours, INSERM, Imaging Brain and Neuropsychiatry iBraIN U1253, 37032, Tours, France)



15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.01 | Neural Event Segmentation In Narrative Film: Constructing And Remembering Events Across Sensory Modalities

Roger Johansson (Department of Psychology, Lund University); **Karin Isberg** (Department of Clinical Sciences, Lund University); **Maja Rudling** (Department of Clinical Sciences, Lund University); **Johan Mårtensson** (Department of Clinical Sciences, Lund University); **Jana Holsanova** (Lund University Cognitive Science, Lund University)

P4.02 | Temporal Autocorrelation Is Predictive Of Age - An Extensive MEG Time-series Analysis

Christina Stier (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany); **Elio Balestrieri** (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany); **Jana Fehring** (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany); **Niels K. Focke** (Clinic of Neurology, University Medical Center Göttingen, Göttingen, Germany); **Andreas Wollbrink** (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany); **Udo Dannlowski** (Institute for Translational Psychiatry, University of Münster, Münster, Germany); **Joachim Gross** (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany)

P4.03 | Mapping The Subcortical Fear Pathways In Humans: Thalamo-amygdalar Connections Identified With Diffusion-weighted Tractography

Emmanouela Kosteletou Kassotaki (Brainlab – Cognitive Neuroscience Research Group, Department of Clinical Psychology and Psychobiology, University of Barcelona; Institute of Neurosciences, University of Barcelona, Spain); **Liu Mengxing** (Department of Neuroscience, Tufts University School of Medicine, Boston, MA, USA); **Martina Trisia Cinca-Tomás** (Brainlab – Cognitive Neuroscience Research Group, Department of Clinical Psychology and Psychobiology, University of Barcelona; Institute of Neurosciences, University of Barcelona, Spain); **Pedro M. Paz-Alonso** (BCBL. Basque Center on Cognition, Brain and Language, Donostia-San Sebastián, Spain; Ikerbasque, Basque Foundation for Science, Bilbao, Spain); **Judith Domínguez-Borràs** (Brainlab – Cognitive Neuroscience Research Group, Department of Clinical Psychology and Psychobiology, University of Barcelona; Institute of Neurosciences, University of Barcelona, Spain)

P4.04 | Synchronized Brain Rhythms At Pitch Rates: A Mechanism For Sensorimotor Coupling In Sound Perception And Production

Enrico Sozza (Brainlab, Cognitive Neuroscience Research Group, Department of Clinical Psychology and Psychobiology, University of Barcelona (UB), Spain; Institute of Neuroscience (UBneuro), University of Barcelona, Spain); **Jordi Costa-Faidella** (Brainlab, Cognitive Neuroscience Research Group, Department of Clinical Psychology and Psychobiology, University of Barcelona (UB), Spain; Institute of Neuroscience (UBneuro), University of Barcelona, Spain; Institut de Recerca Sant Joan de Déu (IRSJD), Esplugues de Llobregat (Barcelona), Spain)

P4.05 | Effects Of Deep Brain Stimulation Of The Entorhinal Cortex On Memory Function In The D-galactose Induced Rat Model Of Aging

Gela Beselia (Ivane Beritashvili Center of Experimental Biomedicine); **Maia Burjanadze** (Ivane Beritashvili Center of Experimental Biomedicine); **Temur Nanishvili** (Ivane Beritashvili Center of Experimental Biomedicine); **Barbare Nozadze** **Co-Author: Manana Dashniani** (Ivane Beritashvili Center of Experimental Biomedicine)

P4.06 | Looking For Memory: Tracking Neural Representations At Moments Of Gaze Reinstatement

Hannah Herschel (Department of Psychology, Lund University); **Andrey R. Nikolaev** (Department of Psychology, Lund University); **Bardur Hofgaard Joensen** (Department of Psychology, Lund University); **Inês Bramão** (Department of Psychology, Lund University); **Roger Johansson** (Department of Psychology, Lund University); **Mikael Johansson** (Department of Psychology, Lund University)

15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.07 | Functional Dynamics Of Transient Semantic And Episodic Retrieval Failures: A Tip-of-the-tongue Study

James C. Barry (BCBL. Basque Center on Cognition, Brain and Language); **Garikoitz Lerma-Usabiaga** (CBL. Basque Center on Cognition, BrCBL. Basque Center on Cognition, Brain and Language; IKERBASQUE, Basque Foundation for Science and Language; IKERBASQUE, Basque Science Foundation); **Pedro Manuel Paz-Alonso** (CBL. Basque Center on Cognition, Brain and Language; IKERBASQUE, Basque Foundation for Science)

P4.08 | Beyond Frequency Bands: Mapping Task-specific Changes In The Brain's Natural Frequencies With Continuous Spectral Resolution

Juan José Herrera-Morueco (Universidad Autónoma de Madrid); **Enrique Stern** (Universidad Autónoma de Madrid); **Lydia Arana** (Universidad Autónoma de Madrid); **Almudena Capilla** (Universidad Autónoma de Madrid)

P4.09 | Self-other Distinction And Mu Rhythm Suppression Across Development: Neural And Behavioral Correlates

Nakyeong SHIN (Kyushu University); **Yuki Ikeda** (National Center of Neurology and Psychiatry); **Yuki Motomura** (Kyushu University); **Shigekazu Higuchi** (Kyushu University)

P4.10 | Phase-amplitude Coupling In Executive Control: Evidence From iEEG During Awake Brain Surgery

Shir Hartman (Faculty of Engineering, Bar-Ilan University, Israel); **Chemda Wiener** (Faculty of Engineering, Bar-Ilan University, Israel); **Moataz Assem** (Medical Research Council, Cognition and Brain Sciences Unit, University of Cambridge, UK); **Rafael Romero-Garcia** (Department of Psychiatry, University of Cambridge, UK; Department of Medical Physiology and Biophysics, Instituto de Biomedicina de Sevilla (IBiS), Universidad de Sevilla, Spain); **Pedro Coelho** (Neurophys Limited, UK); **Alexa McDonald** (Department of Neuropsychology, Cambridge University Hospitals NHS Foundation Trust, UK); **Emma Woodberry** (Department of Neuropsychology, Cambridge University Hospitals NHS Foundation Trust, UK); **Michael G. Hart** (St George's University Hospitals NHS Foundation Trust, UK); **Stephen J. Price** (Department of Neurosurgery, Cambridge University Hospitals NHS Foundation Trust, UK); **Robert C. Morris** (Department of Neurosurgery, Cambridge University Hospitals NHS Foundation Trust, UK); **John Suckling** (Department of Psychiatry, University of Cambridge, UK); **John Duncan** (Medical Research Council, Cognition and Brain Sciences Unit, University of Cambridge, UK); **Thomas Santarius** (Department of Neurosurgery, Cambridge University Hospitals NHS Foundation Trust, UK); **Yaara Erez** (Faculty of Engineering, Bar-Ilan University, Israel; The Gonda Multidisciplinary Brain Research Center, Bar-Ilan University, Israel)

P4.11 | Effects Of Stress And Exercise On Trust Behaviour

Shiyao Zhang (Queen Mary University of London, School of Biological and Behavioural Sciences)

P4.12 | Changes In Brain Activation In Response To Joint Attention Contexts From 10 To 13 Months Of Age Using High-density Fnrirs

Vera Mateus (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Mónica Sobral** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal; Human Developmental Sciences Graduate Program and Mackenzie Center for Research in Childhood and Adolescence, Center for Biological and Health Sciences, Mackenzie Presbyterian University, São Paulo, Brazil); **Sara Cruz** (The Psychology for Development Research Center, Lusíada University of Porto, Portugal); **Ana Osório** (Human Developmental Sciences Graduate Program and Mackenzie Center for Research in Childhood and Adolescence, Center for Biological and Health Sciences, Mackenzie Presbyterian University, São Paulo, Brazil); **Ana Ganho Ávila** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal)

15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.13 | Temporal Eigenvectors Encode Perceptual Switches During Bistable Motion Perception

Vivian Cseh (Maastricht University); **Dr. Salil Bhat** (Maastricht University); **Dr. Jelena Trajkovic** (Maastricht University)

P4.15 | Neural Encoding Of Continuous Word Meaning Likelihood During Semantic Disambiguation

Andrey Zyryanov (Centre for Integrative Neuroscience, University of Tübingen, Germany; Graduate Training Centre of Neuroscience, University of Tübingen, Germany; International Max Planck Research School for The Mechanisms of Mental Function and Dysfunction, Germany); **Victoria Pierz** (Centre for Integrative Neuroscience, University of Tübingen, Germany); **Yulia Oganian** (Centre for Integrative Neuroscience, University of Tübingen, Germany)

P4.16 | Disentangling Overlapping Brain Activity In The Stop-signal Task: A Deconvolution Erp Study

Anna Grabowska (Doctoral School in the Social Sciences, Jagiellonian University); **Jakub Szewczyk** (Institute of Psychology, Jagiellonian University); **Magdalena Senderecka** (Centre for Cognitive Science, Jagiellonian University)

P4.17 | Frequency-dependent Relationships Between Age And Bold Signal Variability Across The Adult Lifespan

Audrey Zhu (School of Psychology, University of Auckland); **Dr Reece Roberts** (School of Psychology, University of Auckland); **Prof Lynette Tippett** (School of Psychology, University of Auckland)

P4.18 | Early Dietary Exposure To Fat And Sugar Impairs Neurogenesis And Spatial Memory Without Astrocytic Response

Bárbara Caetano-Mota (Faculty of Medicine of University of Porto); **Miguel Correia** (Faculty of Medicine of University of Porto); **Ana Silva** (Faculty of Medicine of University of Porto); **Pedro A. Pereira** (Faculty of Medicine of University of Porto); **M. Dulce Madeira** (Faculty of Medicine of University of Porto); **Armando Cardoso** (Faculty of Medicine of University of Porto)

P4.19 | The Intention To Predict Upcoming Events Modulates Prediction Error But Not Visual Processing During Passive Viewing

Chen Frenkel (The Hebrew University in Jerusalem); **Leon Y. Deouell** (The Hebrew University in Jerusalem)

P4.20 | Active Vision Modulates Cortical Stages Of Visual Processing

Christoph Huber-Huber (Center for Mind/Brain Sciences (CIMEC), University of Trento, Italy); **Floris de Lange** (Radboud University, Donders Institute for Brain, Cognition and Behaviour, Netherlands)

P4.21 | Teaching An Old Dog New Tricks: Older And Younger Adults Show Differences In Learning Slopes But Comparable Overall Gains Following Three Weeks Of Skill Training

Ditte Haagerup (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark); **Mikael Novén** (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark); **Hartwig Roman Siebner** (Danish Research Centre for Magnetic Resonance, Department of Radiology and Nuclear Medicine, Copenhagen University Hospital Amager and Hvidovre, Hvidovre, Denmark); **Jesper Lundbye-Jensen** (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark); **Anke Ninija Karabanov** (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark)

P4.22 | Use Of Working Memory During Reinforcement Learning As Reflected In Frontal Theta-band Oscillations

Irene van de Vijver (Utrecht University); **Agata Stachowiak** (Utrecht University)

15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.23 | Modelling The Adaptive Transformation Of Representations In Brains And Artificial Networks

Ivan Padezhki (Mind, Brain and Behavior Research Center, University of Granada); **Juan Linde-Domingo** (Mind, Brain and Behavior Research Center, University of Granada); **Carlos González-García** (Mind, Brain and Behavior Research Center, University of Granada); **Francisco Javier Ortiz Tudela** (Mind, Brain and Behavior Research Center, University of Granada)

P4.24 | Affective State-dependent Itbs Effects On The N-back Task

Jasmina Paneva (Maastricht University); **Prof. Dr. Teresa Schuhmann** (Maastricht University); **Dr. Felix Duecker** (Maastricht University); **Prof. Dr. Alexander T. Sack** (Maastricht University)

P4.25 | Strengthening Cognitive Networks With Multi-node Brain Stimulation

Jelena Trajkovic (Department of Cognitive Neuroscience, Faculty of Psychology and Neuroscience, Maastricht University, 6229 ER, Netherlands); **Alexander T. Sack** (Department of Cognitive Neuroscience, Faculty of Psychology and Neuroscience, Maastricht University, 6229 ER, Netherlands)

P4.26 | What Are The EEG Network Dynamics Supporting Executive Functioning During Learning?

Julia K Dabrowska (University of Oxford); **Alexander Fraser** (University of Oxford); **Bethan Grimes** (University of Oxford); **Mats WJ van Es** (University of Oxford); **Mark W Woolrich** (University of Oxford); **Gaia Scerif** (University of Oxford)

P4.27 | Social Dynamics in Language Comprehension: Behavioural and ERP Evidence

Laura Jimenez Ortega (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Almeida Tatiana** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Pinel Lucia** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Martin-Loeches, Manuel** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Rubianes, Miguel** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Fondevila, Sabela; Muñoz** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Muñoz, Francisco** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Sommer, Werner** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid); **Casado, Pilar** (Neuroknowledge R.C & UCM-ISCIll Center for Human Evolution and Behaviour. Universidad Complutense de Madrid)

P4.28 | Asct: A Pipeline For Standardized Analysis Of Meg/eeg Directional Connectivity

Mirosław Wyczęsany (Jagiellonian University); **Tomasz Gorski** (Nicolaus Copernicus University); **Sara Spadone** (Institute for Advanced Biomedical Technologies); **Michał Domagala** (Jagiellonian University); **Stefania della Penna** (Institute for Advanced Biomedical Technologies)

P4.29 | How Prior Motor States Can Shape Perceptual Choice Bias: Insights From Sensorimotor Beta Oscillations

Ningjing Cui (Department of Human Movement Sciences, Faculty of Behavioural and Movement Sciences, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands); **Robert J. van Beers** (Department of Human Movement Sciences, Faculty of Behavioural and Movement Sciences, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands. Donders Institute for Brain, Cognition and Behaviour, Radboud University, Nijmegen, The Netherlands); **Jeroen B. J. Smeets** (Department of Human Movement Sciences, Faculty of Behavioural and Movement Sciences, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands); **Bernadette C. M. van Wijk** (Department of Human Movement Sciences, Faculty of Behavioural and Movement Sciences, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands)

P4.30 | Brainagemap: A Lightweight Deep Learning Model To Delineate Local Brain Aging Patterns Using Structural Magnetic Resonance Images

Pál Vakli (Brain Imaging Centre, HUN-REN Research Centre for Natural Sciences, Budapest, Hungary); **Béla Weiss** (Brain Imaging Centre, HUN-REN Research Centre for Natural Sciences, Budapest, Hungary; Machine Perception Research Laboratory, HUN-REN Institute for Computer Science and Control, Budapest, Hungary); **Zoltán Vidnyánszky** (Brain Imaging Centre, HUN-REN Research Centre for Natural Sciences, Budapest, Hungary)

P4.31 | Contextual Familiarity Preserves Episodic Memories: Evidence From A Novel Virtual-reality Paradigm

Richard Ronayne (Queensland Brain Institute, The University of Queensland, St Lucia, Australia); **Jason B. Mattingley** (Queensland Brain Institute, The University of Queensland, St Lucia, Australia)

P4.32 | Eye Movements And Alpha/Beta Power During Memory Retrieval Are Linked To Encoding And Memory Performance

Tara Beilner (Ludwig-Maximilians University Munich); **Xiongbo Wu** (Ludwig-Maximilians University Munich); **Tobias Staudigl** (Ludwig-Maximilians University Munich)

P4.33 | Body Language: The Stomach Modulates Brain Activity At Rest And During Speech Processing

Teresa Berther (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Germany); **Ignacio Rebollo** (Department of Decision Neuroscience and Nutrition, German Institute of Human Nutrition, Germany); **Martina Saltafossi** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Germany); **Antonio Criscuolo** (Maastricht University, Department of Neuropsychology & Psychopharmacology, Maastricht, Netherlands); **Sonja A. Kotz** (Maastricht University, Department of Neuropsychology & Psychopharmacology, Maastricht, Netherlands); **Joachim Gross** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Germany); **Daniel S. Kluger** (Institute for Biomagnetism and Biosignal Analysis, University of Münster, Germany)

P4.34 | Time Perception Is (only) Mildly Affected By Spatial Distance And Tool-use Training In Young And Older Adults

Amir Jahanian Najafabadi (Bielefeld University); **Christoph Kayser** (Bielefeld University)

P4.35 | Sugar Liking As A Common Indicator Of Impulsivity In Delay Discounting And Risk Taking Tasks

Anna Davidovich (National Research University Higher School of Economics); **Ksenia Panidi** (National Research University Higher School of Economics)

P4.36 | Effect Of Cerebellar tDCS On Cortical Processing Of Proprioception In Friedreich's Ataxia And Healthy Controls

Christian Georgiev (Université Libre de Bruxelles); **Mathieu Bourguignon** (Université Libre de Bruxelles); **Scott J. Mongold** (Université Libre de Bruxelles); **Pierre Cabaraux** (Université Libre de Bruxelles); **Gilles Naeije** (Université Libre de Bruxelles)

P4.37 | E-sports As A Window Into Cognitive Assessment: Insights From Performance, Eye-tracking, And Neuropsychology In First-person Shooter (fps) Video Games

Dalila Sciarra (Sapienza University of Rome); **Moreno Ignazio Coco** (Sapienza University of Rome)

P4.38 | How Task Dissimilarity Shapes Adaptive Control: A Meta-analysis

Daxun Zhu (Department of Experimental Psychology, Ghent University); **Hannah Kaiser** (Department of Psychology, University of Tübingen); **Leslie K. Held** (Department of Experimental Psychology, Ghent University); **Karin Bausenhardt** (Department of Psychology, University of Tübingen); **David Dignath** (Department of Psychology, University of Tübingen); **Carolyn Dudschig** (Department of Psychology, University of Tübingen); **Wim Notebaert** (Department of Experimental Psychology, Ghent University); **Donna Bryce** (Department of Psychology, University of Augsburg); **Senne Braem** (Department of Experimental Psychology, Ghent University)

P4.39 | The Orienting Of Spatial Attention In Touch And Pain: Evidence For Modality-specific Modulations Of The Cue-locked Lateralized Erp Components

Elena Gherri (Università di Bologna); **Giulia Titone** (Università di Bologna); **Gioacchino Garofalo** (Università di Bologna); **Alessandro Kassapidis** (Università di Bologna); **Francesca Benuzzi** (Università di Modena e Reggio Emilia); **Sandro Rubichi** (Università di Modena e Reggio Emilia); **Cristina Iani** (Università di Modena e Reggio Emilia); **Fausta Lui** (Università di Modena e Reggio Emilia)

P4.40 | Learning In Neurofeedback Does Not Guarantee Adhd Symptom Improvement

Elizaveta Kuznetsova (University of Helsinki); **Eugene Arnold** (The Ohio State University); **Roger deBeus** (University of North Carolina at Asheville); **Benjamin Cowley** (University of Helsinki)

P4.41 | Social Cognition In Anxiety: Investigating Atl Involvement In The Emotional-semantic Integration

González-García, Iván (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain); **Zareba, Michal Rafal** (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain); **Ibáñez-Montolio, Marcos** (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain); **Visser, Maya** (Neuropsychology and Functional Neuroimaging. Jaume I University. Castelló de la Plana, Spain)

P4.42 | Task-related Theta And Alpha Cortical Activities Induced By Static Balance Tasks In Older Adults

Hadis Imani (School of Business, Social and Decision Sciences, Constructor University Bremen, 28759 Bremen, Germany); **Amir Jahanian-Najafabadi** (Department of Cognitive Neuroscience, Bielefeld University, 33615, Bielefeld, Germany)

P4.44 | Studying Human Consciousness In Real-world Settings: Advances In Cognitive Neuroscience

Juan Carlos Osorio-Aravena (Universidad de Granada)

P4.45 | Investigating the contribution of alpha and theta oscillations to predictive coding in visual perception with tACS

Klara Hemmerich (University of Trento, Italy); **Alessia Santoni** (Vita-Salute San Raffaele University, Italy); **Sara Stottmeier** (Vita-Salute San Raffaele University, Italy); **Giuseppe Di Dona** (University of Trento, Italy); **Luca Ronconi** (University of Trento, Italy)

P4.46 | The Effect Of Learning And Distractors On Working Memory Performance In N-back Task

Mai-Liis Liiser (University of Tartu); **Kairi Kreegipuu** (Univeristy of Tartu); **Nele Pöldver** (Univeristy of Tartu)

P4.47 | A Two-stage Machine Learning Approach For Estimating Individual Alpha Frequency From Eeg Data

Michał Ociełka (Jagiellonian University, Centre for Cognitive Science); **Damian Jelito** (Jagiellonian University, Institute of Mathematics)

15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.48 | Neuroelectric Signatures Of Social Evaluative Conditioning: Learning Socioaffective Preferences Toward Unfamiliar Individuals

Minah Chang (University of Trento); **Luciana Ciringione** (University of Trento); **Luca Ronconi** (University of Trento); **Andrea Caria** (University of Trento)

P4.49 | Electrophysiological Underpinnings Of Structure-based Interactions Across Memory Systems

Mircea van der Plas (University of Glasgow); **Alberto Failla** (University of Glasgow); **Satu Palva** (University of Helsinki); **Edwin Robertson** (University of Glasgow)

P4.50 | Sensorimotor Predictions Dynamically Modulate Somatosensory Perception During Movements to Self-touch

Noa Cemelijic (Karolinska Institutet); **Xavier Job** (Karolinska Institutet); **Konstantina Kiltani** (Karolinska Institutet)

P4.51 | Remote Gamified Assessment Of The Impact Of Parkinson's Disease On Attention

Ori Peleg (School of Medicine, Tel Aviv University, Israel); **Rebai Soret** (ISAE-SUPAERO, University of Toulouse, France); **Vsevolod Peysakhov** (ISAE-SUPAERO, University of Toulouse, France); **Pom Charras** (University Paul Valéry Montpellier, France); **Anat Mirelman** (Laboratory of Early Markers of Neurodegeneration, Neurological Institute, Tel Aviv Sourasky Medical Center, Israel); **Inbal Maidan** (Laboratory of Early Markers of Neurodegeneration, Neurological Institute, Tel Aviv Sourasky Medical Center, Israel); **Daniel A. Levy** (Palo Alto University)

P4.52 | Age-related Differences In Neural Mechanisms Of Credit Assignment During Decision Making

Paul Schreiner (Institute of Psychology, Universität Hamburg, Hamburg, Germany); **Colleen Dollst** (Institute of Psychology, Universität Hamburg, Hamburg, Germany); **Rani Moran** (Department of Psychology, Queen Mary University of London, London, UK); **Nicolas W. Schuck** (Institute of Psychology, Universität Hamburg, Hamburg, Germany); **Alexa Ruel** (Institute of Psychology, Universität Hamburg, Hamburg, Germany); **Xiangjuan Ren** (Institute of Psychology, Universität Hamburg, Hamburg, Germany)

P4.53 | The Influence Of Temporal Context On Vision Over Multiple Time Scales

Reuben Rideaux (The University of Sydney); **Kacie Lee** (The University of Sydney)

P4.54 | The Physiological Impact Of The Whole-body Kinesthetic Illusion During Observation Of Avatar Walking On Spinal Reflex Excitability

Teja Aryudha (Esa Unggul University/ Hydro Exercise K-74 Privat clinic/ Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan); **Kenya Tanamachi** (Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan/ Department of Rehabilitation Medicine, Keio University School of Medicine, Japan); **Khin Win Thu** (Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan); **Takuya Yada** (Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan); **Kazuhiro Fukata** (Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan/ Department of Rehabilitation Medicine, Keio University School of Medicine, Japan); **Fuminari Kaneko** (Department of Physical Therapy, Graduate School of Human Health Sciences, Tokyo Metropolitan University, Japan/ Department of Rehabilitation Medicine, Keio University School of Medicine, Japan)

P4.55 | Neural Correlates of Experience in Rhythm Interaction

Wannes Van Ransbeeck (Ghent University, Hearing Technology @ WAVES); **Pieter-Jan, Maesb** (Ghent University, IPEM); **Marc Leman** (Ghent University, IPEM); **Sarah Verhulst** (Ghent University, Hearing Technology @ WAVES); **Dick Botteldooren** (Ghent University, Acoustics Research @ WAVES)

15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.56 | Exploring The Influence Of Motor Effort On Perceptual Decision-making

Weicheng Lian (School of Electrical and Electronic Engineering and UCD Centre for Biomedical Engineering, University College Dublin, Dublin, Ireland); **Elaine A Corbett** (School of Electrical and Electronic Engineering and UCD Centre for Biomedical Engineering, University College Dublin, Dublin, Ireland)

P4.57 | Neuropsychophysiological correlates of compassion towards others: A tDCS study

Yasmin Vieira (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Mónica Sobral** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal and Human Developmental Sciences Graduate Program and Mackenzie Center for Research in Childhood and Adolescence, Center for Biological and Health Sciences, Mackenzie Presbyterian University, São Paulo, Brazil); **Raquel Guimar** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Ilkay Bilge Uz** (Faculty of Literature, Hacettepe University, Ankara, Türkiye); **David Monteiro** (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Cristiana Aleixo** (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Sara Braga** (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Mariana Henriques** (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Colin McGloin** (Institutions: 4 Faculty of Literature, Hacettepe University, Ankara, Türkiye, Institute of Psychology, University of Koblenz, Koblenz, Germany); **Martim Melo** (Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Vera Mateus** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal); **Ana Ganho-Ávila** (Center for Research in Neuropsychology and Cognitive Behavioral Intervention, Faculty of Psychology and Educational Sciences, University of Coimbra, Coimbra, Portugal)

P4.58 | Neural Signature Of Chronic Pain In Temporal Summation Of Second Pain: Modulation By Cognitive Processes

Alba Fernández (Brain and Pain (BaP) Lab, Institute of Psychology of the University of Santiago de Compostela (IPsiUS), Universidade de Santiago de Compostela (USC), Spain); **Antonio Gil-Ugidos** (Brain and Pain (BaP) Lab, Institute of Psychology of the University of Santiago de Compostela (IPsiUS), Universidade de Santiago de Compostela (USC), Spain); **Lara Rubal-Otero** (Brain and Pain (BaP) Lab, Institute of Psychology of the University of Santiago de Compostela (IPsiUS), Universidade de Santiago de Compostela (USC), Spain); **Alberto Jacobo González-Villar** (Department of Basic Psychology, Psychological Neuroscience Lab, Research Centre in Psychology, School of Psychology, University of Minho, Braga, Portugal); **María Teresa Carrillo-de-la-Peña** (Brain and Pain (BaP) Lab, Institute of Psychology of the University of Santiago de Compostela (IPsiUS), Universidade de Santiago de Compostela (USC), Spain)

P4.59 | Investigating The Impact Of Cognitive Stress On Heartbeat-evoked Potentials And Respiratory Modulations

Basak Bayramb (University of Gabriele D'Annunzio Chieti- Pescara); **Francesco Bubbico** (University of Gabriele D'Annunzio Chieti- Pescara); **Andrea Zaccaro** (University of Gabriele D'Annunzio Chieti- Pescara); **M. Gianni Perrucci** (University of Gabriele D'Annunzio Chieti- Pescara); **Mirko Pesce** (University of Gabriele D'Annunzio Chieti- Pescara); **Marcello Costantini** (University of Gabriele D'Annunzio Chieti- Pescara); **Francesca Ferri** (University of Gabriele D'Annunzio Chieti- Pescara)

P4.60 | How And When Do Expectations Shape Sensory Processing?

David Richter (CIMCYC, University of Granada); **Paula Pena** (CIMCYC, University of Granada); **María Ruz** (CIMCYC, University of Granada)

15:30 POSTER SESSION 4 P 4.1 - 4.69 main hall 1st floor

P4.61 | Differences in Sensorimotor and Respiratory Synchronization between Individuals with High and Low Schizotypy: Effects of Social Bias and Stimulus Predictability

Francesco Bubbico (Department of Neuroscience, Imaging and Clinical Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti); **Bayram Basak** (Department of Neuroscience, Imaging and Clinical Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti); **Andrea Zaccaro** (Department of Neuroscience, Imaging and Clinical Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti); **Maria Rosaria Pasciucco** (Department of Neuroscience, Imaging and Clinical Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti); **Gianni Perrucci** (Department of Neuroscience, Imaging and Clinical Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti); **Marcello Costantini** (Department of Psychological, Health and Territorial Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti); **Francesca Ferri** (Department of Neuroscience, Imaging and Clinical Sciences, “G. d’Annunzio” University of Chieti-Pescara, Chieti)

P4.62 | Specification Of Attentional Deficit In Attention Deficit/hyperactivity Disorder (adhd)

Grandjean Aurélie (Aix Marseille University, Inserm, Institut de Neurosciences des Systèmes (INS), Marseille, France); **Hoyer Roxane S.** (Lyon Neuroscience Research Center (CRNL), INSERM UMRS 1028, CNRS UMR 5292, Université Claude Bernard Lyon 1, Université de Lyon, Lyon, France & CERVO Brain Research Centre, Université Laval, Québec, QC, Canada); **Gubler Violaine** (Hôpital Privé La Casamance, Aubagne, France & Centre Epignosis, la Ciotat, France); **Herbillon V.** (Hôpital Femme Mère Enfant, Hospices Civils de Lyon, Université Claude Bernard Lyon 1, Université de Lyon, Lyon, France); **Wetzel Nicole** (Leibniz Institute for Neurobiology, Magdeburg, Germany & Center for Behavioral Brain Sciences, Magdeburg, Germany); **Bidet-Caulet Aurélie** (Aix Marseille University, Inserm, Institut de Neurosciences des Systèmes (INS), Marseille, France & Lyon Neuroscience Research Center (CRNL), INSERM UMRS 1028, CNRS UMR 5292, Université Claude Bernard Lyon 1, Université de Lyon, Lyon, France)

P4.63 | Validation Of The Korean Moss Attention Rating Scale In Traumatic Brain Injury: Reliability And Validity

Hoo Young Lee (Department of Physical Medicine and Rehabilitation, National Health Insurance Service Ilsan Hospital, Goyang-si, Republic of Korea); **Sung Hoon Jeong** (Department of Health Policy & Management, Inje University, Gimhae, Republic of Korea); **Jun Hee Won** (Department of Rehabilitation Medicine, National Traffic Injury Rehabilitation Hospital, Yangpyeong, Republic of Korea); **Byung-Mo Oh** (Department of Rehabilitation Medicine, Seoul National University Hospital, Seoul, Republic of Korea); **Ja-Ho Leigh** (Department of Rehabilitation Medicine, National Traffic Injury Rehabilitation Hospital, Yangpyeong, Republic of Korea); **Sodam Lee** (National Traffic Injury Rehabilitation Research Institute, National Traffic Injury Rehabilitation Hospital, Yangpyeong, Republic of Korea)

P4.64 | Do EEG alpha-band traveling waves encode sensory evidence and prior expectations in a motion judgement task?

Jakob Schwenk (Univ Toulouse, CNRS, CerCo, Toulouse, France); **Andrea Alamia** (Univ Toulouse, CNRS, CerCo, Toulouse, France)

P4.65 | Exploring Pre-attentive Neural Markers Of A Natural Tempo Preference In Auditory Rhythmic Processing

Julie Drevet (Institut de Neurosciences des Systèmes INSERM Aix-Marseille Université); **Marion Christophe** (Institut de Neurosciences des Systèmes INSERM Aix-Marseille Université); **Sophie Chen** (Institut de Neurosciences des Systèmes INSERM Aix-Marseille Université); **Benjamin Morillon** (Institut de Neurosciences des Systèmes INSERM Aix-Marseille Université); **Aurélie Bidet-Caulet** (Institut de Neurosciences des Systèmes INSERM Aix-Marseille Université)

P4.66 | Role Of The Human Cerebellum In Content Prediction: Distortions Of Cortical Responses To Violations Of Semantic Predictions In Cerebellar Degeneration

Manuel Jan Roth (Dynamic Cognition Group, Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Katherine Andrade** (Department of Speech, Language and Hearing Sciences, San Diego State University, CA, USA); **Richard B. Ivry** (Department of Psychology, University of California, Berkeley, Berkeley, CA, USA. Helen Wills Neuroscience Institute, University of California, Berkeley, Berkeley, CA, USA); **Assaf Breska** (Dynamic Cognition Group, Max Planck Institute for Biological Cybernetics, Tübingen, Germany)

P4.67 | Interplay Of Predisposition And Plasticity In Musical Skill Acquisition

Tamar Ben-David (Faculty of Medical & Health Sciences, Tel Aviv University, Tel Aviv, Israel; Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel); **Shachar Gal** (Faculty of Medical & Health Sciences, Tel Aviv University, Tel Aviv, Israel; Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel); **Romi Kaplan** (Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel); **Asaf Madar** (Faculty of Medical & Health Sciences, Tel Aviv University, Tel Aviv, Israel; Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel); **Niv Tik** (Faculty of Medical & Health Sciences, Tel Aviv University, Tel Aviv, Israel; Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel); **Ido Tavor** (Faculty of Medical & Health Sciences, Tel Aviv University, Tel Aviv, Israel; Sagol School of Neuroscience, Tel Aviv University, Tel Aviv, Israel)

P4.68 | Salience, Similarity & Search Modes: Deconstructing the Distractor Positivity Component and the Encephalographic Signatures of Distraction

Dock H. Duncan (Vrije Universiteit Amsterdam); **Dirk van Moorselaar** (Vrije Universiteit Amsterdam); **Jan Theeuwes** (Vrije Universiteit Amsterdam)

P4.69 | Developing A Predictive Coding Task For Social Cognition: A Tool For Investigating Individual Differences In Prior-sensory Integration

Ece Kurnaz (Department of Psychology, University of Sustainability Vienna – Charlotte Fresenius Privatuniversität, Vienna, Austria; Department of Cognition, Emotion, and Methods in Psychology, University of Vienna, Vienna, Austria); **Ronald Sladky** (Department of Cognition, Emotion, and Methods in Psychology, University of Vienna, Vienna, Austria); **Claus Lamm** (Department of Cognition, Emotion, and Methods in Psychology, University of Vienna, Vienna, Austria); **Elisabeth V. C. Friedrich** (Department of Psychology, University of Sustainability Vienna – Charlotte Fresenius Privatuniversität, Vienna, Austria)

10:45 POSTER SESSION 5 P 5.1 - 5.69 main hall 1st floor

P5.01 | Externally Imposing Temporal Coding Dynamics: A Closed-Loop EEG Phase-Stimulation Study

Antonia Raissle (Maastricht University, The Netherlands); **Vincent van de Ven** (Maastricht University, The Netherlands); **Inge Leunissen** (Maastricht University, The Netherlands); **Zhou Fang** (Maastricht University, The Netherlands); **Sanne Ten Oever** (Maastricht University, The Netherlands)

P5.02 | Disentangling Neural Networks For Statistical Learning And Rule Generalization

Brian Quintero-Manes (Universitat de Barcelona); **Ana B. Chica** (Universidad de Granada); **Estela Càmara** (Instituto de Investigación Biomédica de Bellvitge (IDIBELL)); **Ruth De Diego-Balaguer** (Universitat de Barcelona; Institució Catalana de Recerca i Estudis Avançats)

P5.03 | Motion Processing Is Improved Following Perceptual Learning In Maculopathy Patients

Célia Michaud (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France); **Cynthia Faurite** (Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, LPNC, Grenoble, France); **Jade Guénot** (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France); **Mathilde Gallice** (Department of Ophthalmology, Grenoble Alpes University Hospital, Grenoble, France); **Christophe Chiquet** (Department of Ophthalmology, Grenoble Alpes University Hospital, Grenoble, France); **Nathalie Vayssière** (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France); **Isabelle Berry** (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France); **Yves Trotter** (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France); **Vincent Soler** (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France); **Carole Peyrin** (Univ. Grenoble Alpes, Univ. Savoie Mont Blanc, CNRS, LPNC, Grenoble, France); **Benoît Cottureau** (CerCo UMR 5549, CNRS – Université Toulouse III, Toulouse, France & IPAL, CNRS IRL 2955, Singapore)

P5.04 | Brain Anatomy And Molecular Signaling Predict Neurophysiological Dynamics

Christina Stier (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany); **Niels K. Focke** (Clinic of Neurology, University Medical Center Göttingen, Göttingen, Germany); **Joachim Gross** (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany)

P5.05 | Dopamine, Deep Brain Stimulation, And Fronto-basal Ganglia Intracranial Recordings During Goal-directed Decision Making In Parkinson's Disease

Colin W Hoy (University of California, San Francisco); **Philip Starr** (University of California, San Francisco); **Wouter Kool** (Washington University in St. Louis); **Simon Little** (University of California, San Francisco)

P5.06 | Spatiotemporal Decoupling Of Reward Components In The Human Midbrain: An Eeg-fMRI Study

Joana Carneiro (University of Glasgow); **Paul McElhinney** (University of Glasgow); **Sarah Allwood-Spiers** (University of Glasgow and NHS Greater Glasgow and Clyde); **Gavin Paterson** (University of Glasgow); **Shajan Gunamon** (University of Glasgow); **Marios G Philiastides** (University of Glasgow)

P5.07 | Paradoxical Responses In Auditory Pitch Control – Tracking Surprisal About Sensorimotor Contingencies With Meg

Johannes Kasper (Cooperative Brain Imaging Center, Goethe University Frankfurt, Germany); **Christian A. Kell** (Cooperative Brain Imaging Center, Goethe University Frankfurt, Germany)

P5.08 | Is The Prefrontal Cortex Necessary For Conscious Perception?

Kavindu H Bandara (The University of Melbourne); **Elise G Rowe** (The University of Melbourne); **Marta I. Garrido** (The University of Melbourne)

10:45 POSTER SESSION 5 P 5.1 - 5.69 main hall 1st floor

P5.09 | Precision of Predictions Is Encoded in Excitatory Top-down Connectivity from the Insula To V1 and Inhibitory Connectivity via the Pulvinar

Linzhi Tao (The University of Melbourne, Australia); **Trevor Steward** (The University of Melbourne, Australia); **Marta Garrido** (The University of Melbourne, Australia)

P5.10 | Graded Aversive Stimuli Modulate Fear Network Activity: A 7t Fmri Study

Stefan Möller (Department of Psychology, Lund University); **Johannes Björkstrand** (Department of Psychology, Lund University)

P5.11 | Learning Foreign Speech Sounds In Pairs Or Alone: Behavioral And Erp Evidence In Adults

Xueqiao Li (University of Jyväskylä); **Piia Astikainen** (University of Jyväskylä)

P5.12 | The impact of right cerebellar tDCS on semantic word retrieval

Adam Kubinec (Centre of Experimental Medicine, Slovak Academy of Sciences, Bratislava, Slovakia); **Rastislav Rovny** (Centre of Experimental Medicine, Slovak Academy of Sciences, Bratislava, Slovakia); **Igor Riečanský** (Centre of Experimental Medicine, Slovak Academy of Sciences, Bratislava, Slovakia); **Martin Marko** (Centre of Experimental Medicine, Slovak Academy of Sciences, Bratislava, Slovakia)

P5.13 | Moving Towards Confidence: Higher Motor Precision Reduces Information Seeking In Perceptual Decisions, Independently From Accuracy

Alessandra Loretani (Département Traitement de l'Information et Systèmes, ONERA, F-13661 Salon-de-Provence, France); **Claire Bédé** (Département Traitement de l'Information et Systèmes, ONERA, F-13661 Salon-de-Provence, France); **Thibault Gajdos** (Centre de Recherche en Psychologie et Neurosciences (UMR 7077), CNRS and Aix Marseille Université, F-13005 Marseille, France); **Andrea Desantis** (Département Traitement de l'Information et Systèmes, ONERA, F-13661 Salon-de-Provence, France; Institut de Neurosciences de la Timone (UMR 7289), CNRS and Aix-Marseille Université, F-13005 Marseille, France; Integrative Neuroscience and Cognition Center (UMR 8002), CNRS and Université Paris Cité, F-75006 Paris, France)

P5.14 | Basal Forebrain Grey Matter Reflects Nicotinic And Muscarinic Receptor Topographies

Alexander Weuthen (Department of Psychiatry and Psychotherapy, Jena University Hospital, Germany); **Sidhant Chopra** (Orygen, Melbourne, Australia); **Meng Li** (Department of Psychiatry and Psychotherapy, Jena University Hospital, Germany); **Bianca Besteher** (Department of Psychiatry and Psychotherapy, Jena University Hospital, Germany); **Martin Walter** (Department of Psychiatry and Psychotherapy, Jena University Hospital, Germany)

P5.15 | Does enfacing your older self modulate how you think you can change in the future?

Angelo Pisani (Department of Psychology “Renzo Canestrari”, University of Bologna, Bologna, Italy); **Elisa Ciaramelli** (Department of Psychology “Renzo Canestrari”, University of Bologna, Bologna, Italy); **Henrik Ehrsson** (Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden); **Michela Candini** (Department of Psychology “Renzo Canestrari”, University of Bologna, Bologna, Italy); **Mariano D’Angelo** (Department of Neuroscience, Karolinska Institutet, Stockholm, Sweden)

P5.16 | Associations Between The Perception Of Photographic And Schematic Faces And Symptoms Of Depression And Anxiety

Anna Dadatskaja (University of Tartu, Estonia); **Xinyang Liu** (University of Jyväskylä, Finland); **Piia Astikainen** (University of Jyväskylä, Finland); **Kairi Kreegipuu** (University of Tartu, Estonia)

P5.18 | Eeg Microstates As A Neurocorrelate Of Cognitive Reserve In Older Adults

Bartłomiej Kiljanek (Nicolaus Copernicus University in Toruń); **Martyna Olszewska** (Nicolaus Copernicus University in Toruń); **Ewa Ratajczak** (Nicolaus Copernicus University in Toruń); **Jakub Stupczewski** (Nicolaus Copernicus University in Toruń)

P5.19 | Targeted Prefrontal Tdcs Enhances Cognitive Reappraisal Of Negative Film Clips: Psychophysiological Correlates

Catarina Gomes Coelho (Psychological Neuroscience Laboratory, Centro de Investigação em Psicologia (CIPsi), Department of Basic Psychology, school of Psychology, University of Minho, Braga, Portugal); **Raquel Pinto** (Department of Education and Psychology, William James Center for Research (WJCR), University of Aveiro, Campus Universitário de Santiago, Aveiro, Portugal); **Luíza Cerri** (Psychological Neuroscience Laboratory, Centro de Investigação em Psicologia (CIPsi), Department of Basic Psychology, school of Psychology, University of Minho, Braga, Portugal); **Jorge Leite** (CINTESIS@RISE, CINTESIS.UPT, Portucalense University, Porto, Portugal); **Sandra Carvalho** (Psychological Neuroscience Laboratory, Centro de Investigação em Psicologia (CIPsi), Department of Basic Psychology, school of Psychology, University of Minho, Braga, Portugal)

P5.20 | The Effect Of Social Pressure Framing On Facial Emotion Recognition In Lonely People And Its Neural Mechanism Underlying The Process

Denilson Brilliant T (Graduate School of Medicine, Tohoku University); **Ayumi Takemoto** (Institute of Development, Aging and Cancer, Tohoku University); **Shachihito Shirahama** (Graduate School of Medicine, Tohoku University); **Kazufumi Karube** (Graduate School of Medicine, Tohoku University); **Lingfei Guan** (Graduate School of Medicine, Tohoku University); **Motoaki Sugiura** (Institute of Development, Aging and Cancer, Tohoku University)

P5.21 | Fixation-related Potentials Reveal Preserved Extrafoveal Semantic Processing In Healthy Older Adults

Elena Allegretti (Department of Psychology, Sapienza University of Rome); **Moreno I. Coco** (Department of Psychology, Sapienza University of Rome)

P5.22 | A Direct Auditory Subcortical Route To The Amygdala That Supports Fear In Humans

Emmanouela Kosteletou Kassotaki (University of Barcelona); **Martina Trisia Cinca-Tomás** (University of Barcelona); **Federico Varriano** (University of Barcelona); **Guadalupe Soria** (University of Barcelona); **Alberto Prats-Galino** (University of Barcelona); **Judith Domínguez-Borràs** (University of Barcelona)

P5.23 | Neural Speech Tracking In Young Cochlear Implanted Adults

Francesca Collesei (IMT School for Advanced Studies Lucca, Italy); **Erica Iob** (IMT School for Advanced Studies Lucca, Italy); **Marta Fantoni** (IMT School for Advanced Studies Lucca, Italy; IRCCS materno infantile Burlo Garofolo, Trieste, Italy); **Alessandra Federici** (IMT School for Advanced Studies Lucca, Italy); **Davide Bottari** (IMT School for Advanced Studies Lucca, Italy)

P5.24 | Sensorimotor And Social Experiences Of Architectural Space Influence Human Multisensory Integration Processes

Giorgia Guerra Frey (Department of Medicine and Surgery, University of Parma, Italy; Institute of Neuroscience, National Research Council of Italy, Parma, Italy); **Silvia Mastromarino** (Institute of Neuroscience, National Research Council of Italy, Parma, Italy); **Federica Sanchez** (Neuroscience Lab, Lombardini22, Milan, Italy); **Ashwanth Ramkumar** (Neuroscience Lab, Lombardini22, Milan, Italy); **Anna Laura Fraghì** (Institute of Neuroscience, National Research Council of Italy, Parma, Italy); **Pietro Avanzini** (Institute of Neuroscience, National Research Council of Italy, Parma, Italy); **Nicola Bruno** (Department of Medicine and Surgery, University of Parma, Italy); **Andrea Serino** (NeuroRehab Research Center, University Hospital of Lausanne and University of Lausanne, Switzerland; MySpace Lab, Department of Clinical Neuroscience, University Hospital of Lausanne and University of Lausanne, Switzerland); **Giovanni Vecchiato** (Institute of Neuroscience, National Research Council of Italy, Parma, Italy; Department of Theoretical and Applied Sciences, eCampus University, Novedrate, Italy)

P5.25 | Distinct Neural Signatures Of Search Strategies

Güven Kandemir (Vrije Universiteit Amsterdam); **Dirk van Moorselaar** (Universiteit Utrecht); **Docky Duncan** (Vrije Universiteit Amsterdam); **Jan Theeuwes** (Vrije Universiteit Amsterdam)

P5.26 | Rethinking Biological Sensitivity To Context: High Hrv Predicts Enhanced Working Memory In Low-ses Children

Hernán Delgado (Centro de Investigación Básica en Psicología, Facultad de Psicología, Universidad de la República, Montevideo, Uruguay); **Sebastián Lipina** (Unidad de Neurobiología Aplicada (UNA, CEMIC- CONICET), Buenos Aires, Argentina); **Richard Rodríguez** (Centro de Investigación Básica en Psicología, Facultad de Psicología, Universidad de la República, Montevideo, Uruguay); **Ñeranei Menéndez** (Centro de Investigación Básica en Psicología, Facultad de Psicología, Universidad de la República, Montevideo, Uruguay); **Alejandra Carboni** (Centro de Investigación Básica en Psicología, Facultad de Psicología, Universidad de la República, Montevideo, Uruguay)

P5.27 | Neurocomputational Mechanisms Underlying Curiosity

Jocelyn A. Halim (Turner Institute for Brain and Mental Health, School of Psychological Sciences, Monash University, Melbourne, Australia); **Trevor T.T.-J. Chong** (Turner Institute for Brain and Mental Health, School of Psychological Sciences, Monash University, Melbourne, Australia); **Daniel Bennett** (Melbourne School of Psychological Sciences, The University of Melbourne, Melbourne, Australia)

P5.28 | Adaptation of cortical tracking of speech to syllabic (ir)regularities

Jose Pérez-Navarro (Basque Center on Cognition, Brain and Language); **Itsaso Olasagasti** (University of Geneva); **Jose Antonio Gonzalo Gimeno** (Basque Center on Cognition, Brain and Language); **Nicola Molinaro** (Basque Center on Cognition, Brain and Language); **Marie Lallier** (Basque Center on Cognition, Brain and Language)

P5.29 | Forgetting Food: A Preliminary Study Exploring Memory Suppression Mechanisms In Individuals With And Without Food Addiction

Lucas Saldanha (Psychological Neuroscience Laboratory, Psychology Research Center (CIPsi), School of Psychology, University of Minho, Portugal); **Olivia Morgan Lapenta** (Psychological Neuroscience Laboratory, Psychology Research Center (CIPsi), School of Psychology, University of Minho, Portugal); **Eduardo López-Caneda** (Psychological Neuroscience Laboratory, Psychology Research Center (CIPsi), School of Psychology, University of Minho, Portugal)

P5.30 | Neither Wrong Nor Right: Medium Prediction Errors Modify Episodic Memories

Marius Boeltzig (University of Münster); **Nina Liedtke** (University of Münster); **Ricarda I. Schubotz** (University of Münster)

P5.31 | The Role Of The Brain's Natural Frequencies In Resting-state Network Connectivity

Melcón, M. (Universidad Autonoma de Madrid); **Stern, E.** (Universidad Autonoma de Madrid); **Capilla, A.** (Universidad Autonoma de Madrid)

P5.32 | Theta-gamma Tacs And Cognitive Training In Cognitive Decline: Effects On Working Memory Performance

Natalia R Bohorquez-Villanueva (Instituto de psicología (IPsiUS) Universidade de Santiago de Compostela (USC); **Kenia Correa-Jaraba** (Instituto de psicología (IPsiUS) Universidade de Santiago de Compostela (USC); **Rocío Martinez-Regueiro** (Instituto de psicología (IPsiUS) Universidade de Santiago de Compostela (USC); **Santiago Galdo-Álvarez** (Instituto de psicología (IPsiUS) Universidade de Santiago de Compostela (USC); **Fernando Díazb** (Instituto de psicología (IPsiUS) Universidade de Santiago de Compostela (USC); **Susana Cid-Fernández** (Instituto de psicología (IPsiUS) Universidade de Santiago de Compostela (USC)

P5.33 | Attention In Space And Time: How Adhd Affects Learning Of Spatiotemporal Regularities

Noam Tzionit (The Hebrew University of Jerusalem, IL); **Danielle G. Filmon** (The Hebrew University of Jerusalem, IL); **Talia Maeir** (The Hebrew University of Jerusalem, IL); **Sage E. P. Boettcher** (University of Oxford, UK); **Anna C. Nobre** (Yale University, New Haven, USA); **Nir Shalev** (University of Haifa, IL); **Ayelet N. Landau** (The Hebrew University of Jerusalem, IL; University College London (UCL), UK)

P5.34 | Prosodic Processing At Lexical And Sentential Levels: Linking Pitch And Duration Perception To Social-pragmatic Communication

Peter Bang (Center for Integrative Neuroscience, University of Tübingen, 72076 Tübingen, Germany); **Lea-Marie Tewald** (Center for Integrative Neuroscience, University of Tübingen, 72076 Tübingen, Germany); **Dirk Wildgruber** (Department of Psychiatry and Psychotherapy, University of Tübingen, Calwerstr. 14, 72076, Tübingen, Germany); **Yulia Oganian** (Center for Integrative Neuroscience, University of Tübingen, 72076 Tübingen, Germany)

P5.35 | Neural Mechanisms Of Maladaptive Threat Learning And Safety Processing In Tinnitus

Riccardo BIANCO (Institute of Biomagnetismus and Biosignal Analysis, University of Münster, Germany); **Alejandro ESPINO-PAYÁ** (Institute of Biomagnetismus and Biosignal Analysis, University of Münster, Germany); **Cosima LUKAS** (Department of Otorhinolaryngology, Jena University Hospital, Friedrich-Schiller-University Jena, Germany); **Christian DOBEL** (); **2Co-Author: Joachim GROSS** (Institute of Biomagnetismus and Biosignal Analysis, University of Münster, Germany); **Markus JUNGHÖFER** (Institute of Biomagnetismus and Biosignal Analysis, University of Münster, Germany)

P5.36 | Sequence Models For By-trial Decoding Of Cognitive Strategies In Perceptual Decision Making

Rick den Otter (Utrecht University); **Gabriel Weindel** (Utrecht University); **Sjoerd Stuit** (Utrecht University); **Leendert van Maanen** (Utrecht University)

P5.37 | Network Cofluctuation Dynamics Are Related To Personalized Neural State Transition Timing

Robyn E. Wilford (University of Toronto); **Katherine Duncan** (University of Toronto)

P5.38 | Aperiodic Correlates Of Predictive Coding In Visual Motion Perception

Sara Stottmeier (School of Psychology, Vita-Salute San Raffaele University, Milan, Italy); **Giuseppe Di Dona** (Department of Psychology and Cognitive Science, University of Trento, Rovereto, Italy); **Klara Hemmerich** (Department of Psychology and Cognitive Science, University of Trento, Rovereto, Italy); **Alessia Santoni** (School of Psychology, Vita-Salute San Raffaele University, Milan, Italy); **Luca Ronconi** (Department of Psychology and Cognitive Science, University of Trento, Rovereto, Italy)

P5.39 | Do Normative Brain Deviations Improve The Predictability Of Depressive Psychopathology Compared To Raw Brain Variables?

Tabea Straeten (Institute for Biomagnetism and Biosignalanalysis, University of Münster, Germany); **Nils Ralf Winter** (Institute for Translational Psychiatry, University of Münster, Germany); **Klaus Berger** (Institute of Epidemiology and Social Medicine, University of Münster, Germany); **Tilo Kircher** (Department of Psychiatry and Psychotherapy, Philipps-University Marburg, Germany); **Udo Dannlowski** (Institute for Translational Psychiatry, University of Münster, Germany); **Tim Hahn** (Institute for Translational Psychiatry, University of Münster, Germany); **Markus Junghöfer** (Biomagnetism and Biosignalanalysis, University of Münster, Germany)

P5.40 | Endogenous Brain Rhythms Predict Individual Differences In Speech Comprehension

Tanja Atanasova (University of Dundee); **Rosanne Timmerman** (University of Dundee); **Anne Keitel** (University of Dundee)

P5.41 | Do Temporal Expectations Modulate Rhythmic Behavioral Sampling In Auditory Perception?

Thibault Marichal (Ghent University); **Durk Talsma** (Ghent University); **Tom Verguts** (Ghent University)

P5.42 | Targeting Attentional Shifts In Parkinson's Disease: How Deep Brain Stimulation Affects Perseveration And Learned Irrelevance

Aleksandra Fijałkiewicz (Institute of Psychology, Jagiellonian University, Cracow, Poland); **Małgorzata Dec-Ćwiek** (Department of Neurology, Collegium Medicum, Jagiellonian University, Cracow, Poland); **Karolina Porębska** (Department of Neurology, Collegium Medicum, Jagiellonian University, Cracow, Poland); **Krzysztof Batko** (Doctoral School of Medical and Health Sciences, Collegium Medicum, Jagiellonian University, Cracow, Poland); **Aleksandra Gruszka** (Institute of Psychology, Jagiellonian University, Cracow, Poland)

P5.43 | Task-modulated Functional Connectivity In Decision-making Under Uncertainty: Evidence From The Balloon Analog Risk Task

Birsu Beşer (Department of Neuroscience, Aziz Sancar Institute of Experimental Medicine, Istanbul University, Istanbul, Türkiye); **Bernis Sütçübaşı** (Psychology Laboratory for Cognitive and Behavioral Research, Department of Psychology, Faculty of Humanities and Social Sciences, Acibadem University, Istanbul, Turkey)

P5.44 | A Novel Free-viewing Task To Investigate Attention Bias In Adolescents With Depressive Disorders

Blake K. Noyes (Queen's University); **Linda Booij** (McGill University); **Heidi C. Riek** (Queen's University); **Isabell C. Pitigoi** (Queen's University); **Don C. Brien** (Queen's University); **Brian J. White** (Queen's University); **Sarosh Khalid-Khan** (Queen's University); **Douglas P. Munoz** (Queen's University)

P5.45 | Global Cooperation Project: Testing Interventions To Reduce Polarization

Bruna E F Mota (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil); **Beatriz B de Souza** (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil); **Ruth Lyra Romero** (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil); **Waldir Sampaio** (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil); **Fernanda Naomi Pantaleão** (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil); **Ana Luisa Freitas** (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil); **Paulo Boggio** (Mackenzie Presbyterian University, INCT-SANI, CNPq Brazil)

P5.46 | Audiovisual Pitch Perception Training In Peripheral And Central Auditory Deficits

Caliani Hoarau (Lyon Neuroscience Research Center); **Agathe Pralus** (Lyon Neuroscience Research Center); **Lesly Fornoni** (Lyon Neuroscience Research Center); **Pierre-Emmanuel Aguera** (Lyon Neuroscience Research Center); **Denis Schwartz** (Cermep); **Sébastien Daligault** (Cermep); **Nathalie Bedoin** (Lumière University Lyon 2); **Annie Moulin** (Lyon Neuroscience Research Center); **Ruben Hermann** (Lyon Neuroscience Research Center); **Eric Truy** (Lyon Neuroscience Research Center); **Barbara Tillmann** (Laboratory for Research on Learning and Development); **Anne Caclin** (Lyon Neuroscience Research Center)

10:45 POSTER SESSION 5 P 5.1 - 5.69 main hall 1st floor

P5.47 | The representational alignment between humans and language models is implicitly driven by a concreteness effect

Cosimo Iaia (Goethe University Frankfurt); **Bhavin Choksi** (Goethe University Frankfurt); **Emily Wiebers** (Goethe University Frankfurt); **Gemma Roig** (Goethe University Frankfurt); **Christian J. Fiebach** (Goethe University Frankfurt)

P5.48 | Single-neuron Representations Of Fear Processing In The Human Brain

George Jacob (Ruhr University Bochum); **Daniel Pacheco** (Ruhr University Bochum); **Vincent Navarro** (Institut du Cerveau, Paris); **Katia Lehongre** (Institut du Cerveau, Paris); **Antoine Bouyeure** (Ruhr University Bochum); **Nikolai Axmacher** (Ruhr University Bochum)

P5.49 | F-FEEB – Neural Correlates Of Affective Self-other Distinction

Konstantin Döhr (Institute of Medical Psychology, Centre of Brain, Behavior, and Metabolism (CBBM), University of Lübeck, Lübeck, Germany); **Tatiana Goregliad-Fjaellingsdal** (Department of Psychiatry and Psychotherapy, University Hospital Bonn, Bonn, Germany; Department of Neurology, Center of Brain, Behavior and Metabolism (CBBM), University of Lübeck, Germany; Department of Psychology, University of Lübeck, Germany); **2Co-Author: Martin Göttlich** (Institute of Medical Psychology, Centre of Brain, Behavior, and Metabolism (CBBM), University of Lübeck, Lübeck, Germany); **Emily Fitzgibbon** (Institute of Medical Psychology, Centre of Brain, Behavior, and Metabolism (CBBM), University of Lübeck, Lübeck, Germany); **Ulrike M. Krämer** (Institute of Medical Psychology, Centre of Brain, Behavior, and Metabolism (CBBM), University of Lübeck, Lübeck, Germany)

P5.50 | Production-perception link for German lexical stress

Lea-Marie Tewald (Centre for Integrative Neuroscience, University Medical Centre Tübingen, Germany; Interdisciplinary Doctoral Program in Medicine, University Medical Centre Tuebingen, Germany); **Yulia Oganian** (Centre for Integrative Neuroscience, University Medical Centre Tübingen, Germany; Interdisciplinary Doctoral Program in Medicine, University Medical Centre Tuebingen, Germany)

P5.51 | Distinct Neural Signatures For Content And Timing Predictions In Music And Speech

Luiza Lucuța (The MARCS Institute for Brain, Behaviour and Development, Western Sydney University, Sydney, Australia); **Anne Kösem** (Lyon Neuroscience Research Center (CRNL), Bron, France); **Andrew Milne** (The MARCS Institute for Brain, Behaviour and Development, Western Sydney University, Sydney, Australia); **Tijl Grootswagers** (The MARCS Institute for Brain, Behaviour and Development, Western Sydney University, Sydney, Australia); **Peter Keller** (Center for Music in the Brain, Department of Clinical Medicine, Aarhus University & The Royal Academy of Music Aarhus/Aalborg, Aarhus, Denmark); **Anna Fiveash** (Université Bourgogne Europe, CNRS, LEAD UMR5022, Dijon, France)

P5.52 | Interpersonal Coordination Modulates Dynamic Functional Connectivity In A Hyperscanning EEG Mirror-game Experiment

Mario Medoni (Technical University of Denmark); **Kyveli Kompatsiari** (Technical University of Denmark); **Ivana Konvalinka** (Technical University of Denmark)

P5.53 | White Matter Network Microstructure Predicts Computational Phenotypes Of Effort And Reward Valuation

Nam Trinh (School of Computing, Dublin City University); **Laurence Dricot** (Institute of Neuroscience, UCLouvain); **Pierre Vassiliadis** (UCL); **Quentin Dessain** (Institute of Neuroscience, UCLouvain); **Julie Duque** (Institute of Neuroscience, UCLouvain); **Tomas Ward** (School of Computing, Dublin City University); **Gerard Derosiere** (Centre de Recherche en Neuroscience de Lyon, INSERM U1028, UMR5292)

P5.54 | Electric Magnetic Stimulation Restores Brain Glucocorticoid Receptors In Depressed Rats Treated With Oxytocin

Nato Bukia (Beritashvili Center of Experimental Biomedicine, Caucasus International University, Tbilisi, Georgia); **Butskhrikidze Marina** (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Machavariani Lamara** (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Siradze Mariam** (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Svanidze Militsa** (Beritashvili Center of Experimental Biomedicine, Tbilisi State University)

P5.56 | Pre-stimulus And Post-stimulus Alpha Amplitude: Are They Related?

Alina Studenova (Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany); **Norman Forschack** (Wilhelm Wundt Institute For Psychology, University of Leipzig, Leipzig, Germany); **Arno Villringer** (Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany); **Vadim Nikulin** (Department of Neurology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany)

P5.57 | Effect Of Hm4di Activation Of Camkii Neurons In The Ventral Hippocampus With Clozapine-n-oxide On The Behavior And Cognitive Alterations Induced By Chronic Restraint Stress In Rats

Cristiane Busnardo Santiago (Department of Drugs and Medicines, School of Pharmaceutical Sciences, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil); **Higor S Paz** (Department of Drugs and Medicines, School of Pharmaceutical Sciences, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil); **Lucas Gomes-de-Souza** (Department of Drugs and Medicines, School of Pharmaceutical Sciences, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil); **Ivaldo J A Belém-Filho** (Department of Pharmacology, School of Medicine of Ribeirão Preto, University of São Paulo, Ribeirão Preto, São Paulo, Brazil); **Gabriela M F Suzuki** (Department of Pharmacology, School of Medicine of Ribeirão Preto, University of São Paulo, Ribeirão Preto, São Paulo, Brazil); **Luana O Giatti** (Department of Drugs and Medicines, School of Pharmaceutical Sciences, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil); **Fernando M A Corrêa** (Department of Pharmacology, School of Medicine of Ribeirão Preto, University of São Paulo, Ribeirão Preto, São Paulo, Brazil); **Carlos C Crestani** (Department of Drugs and Medicines, School of Pharmaceutical Sciences, São Paulo State University (UNESP), Araraquara, São Paulo, Brazil)

P5.58 | Is Successful Response Inhibition Modulated By Transient Beta Bursts?

Danylyna Shpakivska Bilan (Complutense University of Madrid); **Alberto del Cerro-León** (Center of Cognitive and Computational Neuroscience, Universidad Complutense de Madrid, Madrid 28040, Spain Department of Experimental Psychology, Cognitive Processes and Speech Therapy, Faculty of Psychology, Universidad Complutense de Madrid, Madrid 28040, Spain); **Marcos Uceta** (Center of Cognitive and Computational Neuroscience, Universidad Complutense de Madrid, Madrid 28040, Spain Department of Cellular Biology, Faculty of Biology, Complutense University of Madrid, Madrid 28040, Spain); **Fernando Maestú** (Center of Cognitive and Computational Neuroscience, Universidad Complutense de Madrid, Madrid 28040, Spain Department of Experimental Psychology, Cognitive Processes and Speech Therapy, Faculty of Psychology, Universidad Complutense de Madrid, Madrid 28040, Spain); **Luis Fernando Antón-Toro** (Center of Cognitive and Computational Neuroscience, Universidad Complutense de Madrid. Department of Experimental Psychology, Cognitive Processes and Speech Therapy, Faculty of Psychology, Universidad Complutense de Madrid, Madrid 28040, Spain)

P5.59 | Impact Of Natural Aging On Sensory Reweighting Dynamics During Continuous Proprioceptive Perturbations: A Temporal Response Function Analysis At The Biomechanical And Cortical Levels

Esranur Yildiran Carlak (Laboratory of Functional Anatomy, Université libre de Bruxelles (ULB), 1070 Brussels, Belgium; Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium); **Scott J. Mongold** (Laboratory of Functional Anatomy, Université libre de Bruxelles (ULB), 1070 Brussels, Belgium; Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium); **Christian Georgiev** (Laboratory of Functional Anatomy, Université libre de Bruxelles (ULB), 1070 Brussels, Belgium; Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium); **Antonella Iannotta** (Laboratory of Functional Anatomy, Université libre de Bruxelles (ULB), 1070 Brussels, Belgium; Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium); **Pierre Cabaraux** (Laboratory of Functional Anatomy, Université libre de Bruxelles (ULB), 1070 Brussels, Belgium; Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium; Department of Neurology, Hopital universitaire de Bruxelles (HUB), Université libre de Bruxelles (ULB), Brussels, Belgium); **Gilles Naeije** (Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium; Department of Neurology, Hopital universitaire de Bruxelles (HUB), Université libre de Bruxelles (ULB), Brussels, Belgium; Centre de Référence Neuromusculaire, Department of Neurology, CUB Hôpital Erasme, Université libre de Bruxelles (ULB), Brussels, Belgium); **Marc Vander Ghinst** (Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium; Service d'ORL et de chirurgie cervico-faciale, CUB Hôpital Erasme, Université libre de Bruxelles (ULB), Brussels, Belgium); **Mathieu Bourguignon** (Laboratory of Functional Anatomy, Université libre de Bruxelles (ULB), 1070 Brussels, Belgium; Laboratoire de Neuroanatomie et Neuroimagerie translationnelles, UNI – ULB Neuroscience Institute, Université libre de Bruxelles (ULB), Brussels, Belgium; WEL Research Institute, avenue Pasteur, 6, 1300 Wavre, Belgium)

P5.60 | Pupillary Evidence Of Global And Selective Effects Of Auditory Attention On Arousal

Grandjean Aurélie (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Hoyer Roxane S.** (Université Claude Bernard Lyon 1, INSERM, CNRS, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, F-69500, Bron, France & CERVO Brain Research Centre, Laval University, Québec, Canada); **Mathieu Anne** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Caclin Anne** (Université Claude Bernard Lyon 1, INSERM, CNRS, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, F-69500, Bron, France); **Moulin Annie** (Université Claude Bernard Lyon 1, INSERM, CNRS, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, F-69500, Bron, France); **Aurélie Bidet-Caulet** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France & Université Claude Bernard Lyon 1, INSERM, CNRS, Centre de Recherche en Neurosciences de Lyon CRNL U1028 UMR5292, F-69500, Bron, France)

P5.61 | Grounding Distractor Inhibition In Action Control: Distractor-location Learning Is Viewer Dependent

Litian Chen (Department of Experimental and Applied Psychology, Vrije Universiteit Amsterdam; Institute Brain and Behavior Amsterdam, Vrije Universiteit Amsterdam); **Freek van Ede** (Department of Experimental and Applied Psychology, Vrije Universiteit Amsterdam; Institute Brain and Behavior Amsterdam, Vrije Universiteit Amsterdam); **Heleen A. Slagter** (Department of Experimental and Applied Psychology, Vrije Universiteit Amsterdam; Institute Brain and Behavior Amsterdam, Vrije Universiteit Amsterdam)

P5.62 | Hearing The Self: Disentangling Agency And Ownership In Voice Perception

Margarida Marques (Research Center for Psychological Science, Faculty of Psychology, University of Lisbon, Lisboa, Portugal); **Maria Amorim** (Research Center for Psychological Science, Faculty of Psychology, University of Lisbon, Lisboa, Portugal); **Sonja A. Kotz** (Faculty of Psychology and Neuroscience, Maastricht University, Maastricht, The Netherlands); **Ana P. Pinheiro** (Research Center for Psychological Science, Faculty of Psychology, University of Lisbon, Lisboa, Portugal)

P5.63 | Out Of Place, Out Of Mind? Examining The Impact Of Contextual Congruency On Object Representation

Miriam Tortajada (University of Granada); **Javier Ortiz-Tudela** (University of Granada)

P5.64 | The Relationship Between Pupil Dilation And Neural Surprise In Natural Language Comprehension

Quirin Gehmacherb (University College London); **Juliane Schubert** (University of Salzburg); **Aaron Kaltenmaier** (University College London); **Nathan Weisz** (University of Salzburg); **Clare Press** (University College London)

P5.65 | What Cognitive And Emotional Development Profile In Severely Intellectually Disabled Autistic Adults?

Romuald Blanc (Université de Tours, INSERM, Imaging Brain & Neuropsychiatry iBrain U1253, 37032, Tours, France); **Eric Thiébaud** (Université de Lorraine, Laboratoire Lorrain de Psychologie et Neurosciences de la Dynamique des Comportements, Nancy, Lorraine, France); **Jean-Louis Adrien** (Université Paris Cité, Laboratoire de Psychopathologie et Processus de Santé, F-92100 Boulogne Billancourt, France)

P5.66 | From Sensory Signals To Self-evaluation: Internal Factors Driving multisensory Perception And Confidence

Zahra Azizi (Dublin City University, Ireland); **Annalisa Settib** (University College Cork, Ireland); **Tomas Ward** (Dublin City University, Ireland)

P5.67 | Subliminal Attention Capture By Ocular Singletons: The Role Of Target-distractor Distance

Zihan Shen (University College London, UK); Maya Inbar (The Hebrew University of Jerusalem, IL); **Danielle Babitz** (The Hebrew University of Jerusalem, IL); **Ayelet N. Landau** (University College London, UK & The Hebrew University of Jerusalem, IL)

P5.68 | The Influence Of Tonic Arousal On Phasic Arousal And Attention At The Behavioral And Physiological Levels

Anne Mathieu (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Aurélie Grandjean** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Lilia Ponselle** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Sophie Chen** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Andreas Widmann** (Leipzig University, Wilhelm Wundt Institute for Psychology, Leipzig, Germany); **Nicole Wetzel** (Leibniz Institute for Neurobiology, Magdeburg, Germany; University of Applied Sciences Magdeburg-Stendal, Magdeburg, Germany); **Aurélie Bidet-Caulet** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France)

P5.69 | A Grid-like Code Of Tactile Perception

Mariana Babo-Rebello (Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS); **Hyuk-June Moon** (Korea Institute of Science and Technology (KIST); **Nathan Attia** (Campus Biotech Foundation); **Bruno Herbelin** (Ecole Polytechnique Fédérale de Lausanne (EPFL); **Juliette Boscheron** (Ecole Polytechnique Fédérale de Lausanne (EPFL); **Olaf Blanke** (Ecole Polytechnique Fédérale de Lausanne (EPFL)

10:45 POSTER SESSION 6 P 6.1 - 6.68 main hall 1st floor

P6.01 | Emergent Neural Principles Of Speech Encoding In Contrastive Joint-embedding Models

Alessandro Corsini (University of Ferrara); **Alice Tomassini** (University of Ferrara); **Lorenzo Pedani** (University of Ferrara); **Luciano Fadiga** (University of Ferrara); **Alessandro D'Ausilio** (University of Ferrara)

P6.02 | Spatiotemporal Interactions In Perceptual Organization: Behavioral And EEG Evidence From Crowding And Uncrowding

Alessia Santoni (Department of Psychology and Cognitive Science, University of Trento, Rovereto, Italy); **Emily Lincoln** (Psychology Department, University of California, Santa Cruz, CA); **Vrishab Nukala** (Psychology Department, University of California, Santa Cruz, CA); **Luca Ronconi** (Department of Psychology and Cognitive Science, University of Trento, Rovereto, Italy); **Jason Samaha** (Psychology Department, University of California, Santa Cruz, CA)

P6.03 | Emotion Beyond Awareness: Erp Evidence Of Unconscious Modulation In Syntax

Almeida-Rivera, Tatiana (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Martín-Loeches, Manuel** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Fondevila, Sabela** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Muñoz, Francisco** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Rubianes, Miguel** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Sánchez-García, José** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Casado, Pilar** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain); **Jiménez-Ortega, Laura** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain - NeuroKnowledge Research Center, Madrid, Spain)

P6.04 | The Impact Of Breathing On Mind Attribution: How Respiration Shapes Social Categorization

Cecilia Dapor (University of Trento); **Daniela Ruzzante** (University of Trento); **Jeroen Andre Filip Vaes** (University of Trento); **Federica Meconi** (University of Trento)

P6.05 | A Complementary Dual Sensorimotor Mechanism Underlying Action Observation

Daria Digileva (ULB - Université Libre de Bruxelles); **Chrisitian Georgiev** (ULB - Université Libre de Bruxelles); **Armin Hakkak Moghadam Torbati** (ULB - Université Libre de Bruxelles); **Nicolas Yanguma Muñoz** (ULB - Université Libre de Bruxelles); **Gilles Naeije** (ULB - Université Libre de Bruxelles); **Pierre Cabaraux** (ULB - Université Libre de Bruxelles); **Xavier De Tiègeb** (ULB - Université Libre de Bruxelles); **Mathieu Bourguignon** (ULB - Université Libre de Bruxelles)

P6.06 | Predictive Action Representations In Synchronous Joint Reaching Tasks: Insights From Two Eeg Studies

Dimitrios Kourtis (University of Stirling)

P6.08 | Investigating Sympathetic Arousal Through Brain-body Coupling: A Meg And Eda Study

Kristina Pultsina (Centre for Interdisciplinary Brain Research, Jyväskylä university); **Ivan Zubarev** (Aalto University, Neuroimaging Methods Group, Finland); **Pinja Ronkainen** (Centre for Interdisciplinary Brain Research, Jyväskylä university); **Tiina Parvianen** (Centre for Interdisciplinary Brain Research, Jyväskylä university); **Suvi Karjalainen** (Centre for Interdisciplinary Brain Research, Jyväskylä university)

P6.09 | Attention States Modulate Sharp Wave Ripple Probability And Their Temporal Coupling To Low-frequency Oscillations

Michał Domagała (Jagiellonian University); **Leila Chaie** (Department of Epileptology, University Hospital Bonn); **Charles E. Schroeder** (Department of Psychiatry, Columbia University College of Physicians and Surgeons, New York; Translational Neuroscience Lab Division, Center for Biomedical Imaging and Neuromodulation, Nathan Kline Institute, Orangeburg); **Rainer Surges** (Department of Epileptology, University Hospital Bonn); **Florian Mormann** (Department of Epileptology, University Hospital Bonn); **Juergen Fell** (Department of Epileptology, University Hospital Bonn); **Marcin Leszczynski** (Cognitive Science Center, Jagiellonian University, Kraków; Department of Psychiatry, Columbia University College of Physicians and Surgeons, New York)

P6.10 | Statistical Learning Can Impair Encoding Of Information In Episodic Memory

Paweł Stróżak (The John Paul II Catholic University of Lublin); **Mateusz Chwaszcz** (The John Paul II Catholic University of Lublin); **Weronika Mroczka** (The John Paul II Catholic University of Lublin); **Hanna Zgorzelska** (The John Paul II Catholic University of Lublin); **Paweł Augustynowicz** (The John Paul II Catholic University of Lublin)

P6.11 | Exploration Strategies Influence Visual-auditory Sensory Substitution In A Passive Guidance Setup

Salim AKAR (University of Rouen); **Vincent Roy** (University of Rouen); **Loïc Deschamps** (University of Rouen)

P6.12 | Oscillatory Traveling Waves During Visual Spatial Attention Orienting And Reorienting

Yue Kong (Université Paris Cité, CNRS, Integrative Neuroscience and Cognition Center, Paris, France); **Kirsten Petras** (Université Paris Cité, CNRS, Integrative Neuroscience and Cognition Center, Paris, France); **Benjamin Rohaut** (Sorbonne Université, Institut du Cerveau - Paris Brain Institute - ICM, Inserm, CNRS, AP-HP - Hôpital de la Pitié Salpêtrière - DMU Neurosciences - Neuro ICU, Paris, France); **Laura Dugué** (Université Paris Cité, CNRS, Integrative Neuroscience and Cognition Center, Paris, France; Institut Universitaire de France (IUF), Paris, France)

P6.13 | Alpha And Beta Cortico-Motor Phase Dynamics Shape Visuomotor Control On A Single-Trial Basis

Alice Tomassini (Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara 17-19, 44121, Ferrara, Italy); **Francesco Torricelli** (Center for Translational Neurophysiology of Speech and Communication, Italian Institute of Technology, Via Fossato di Mortara 17-19, 44121, Ferrara, Italy); **Luciano Fadiga** (Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara 17-19, 44121, Ferrara, Italy); **Alessandro D'Ausilio** (Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara 17-19, 44121, Ferrara, Italy)

P6.15 | A Novel Reversible Open-channel Nmdar Blocker With Reduced Toxicity And Therapeutic Potential

Anna Misiachna (Institute of experimental medicine of CAS); **Jan Konecny** (Biomedical Research Centre, University Hospital Hradec Kralove); **Martin Horak** (Institute of experimental medicine of CAS); **Marharyta Kolcheva** (Institute of experimental medicine of CAS); **Ondrej Soukup** (Biomedical Research Centre, University Hospital Hradec Kralove); **Jan Korabecny** (Biomedical Research Centre, University Hospital Hradec Kralove)

P6.16 | Arousal And Attention Across Development: Evidence From An Auditory Oddball Task

Anne Mathieu (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Ursula Schöllkopf** (Leibniz Institute for Neurobiology, Magdeburg, Germany); **Sophie Chen** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France); **Andreas Widmann** (Leipzig University, Wilhelm Wundt Institute for Psychology, Leipzig, Germany); **Nicole Wetzel** (Leibniz Institute for Neurobiology, Magdeburg, Germany; University of Applied Sciences Magdeburg-Stendal, Magdeburg, Germany); **Aurélie Bidet-Caulet** (Aix Marseille Univ, Inserm, INS, Inst Neurosci Syst, Marseille, France)

P6.17 | Impact Of Development On The Cortical Processing Of Postural Sway

Antonella Iannotta (Université libre de Bruxelles); **Scott J. Mongold** (Université libre de Bruxelles); **Esratur Yildiran Carlak** (Université libre de Bruxelles); **Christian Georgiev** (Université libre de Bruxelles); **Pierre Cabaraux** (Université libre de Bruxelles); **Marc Van Der Ghinst** (Université libre de Bruxelles); **Mathieu Bourguignon** (Université libre de Bruxelles)

P6.18 | Gut-brain Axis In Obesity: Neurological Effects Of Prebiotic Supplementation

Clara Guimarães (CEB - Centre of Biological Engineering, University of Minho, Campus de Gualtar, Braga, Portugal); **Abigail González** (CEB - Centre of Biological Engineering, University of Minho, Campus de Gualtar, Braga, Portugal); **Catarina Gomes** (CIPsi – Psychology Research Centre, University of Minho, Campus de Gualtar, Braga, Portugal); **Catarina Pereira** (CEB - Centre of Biological Engineering, University of Minho, Campus de Gualtar, Braga, Portugal); **Eduardo López-Caneda** (CIPsi – Psychology Research Centre, University of Minho, Campus de Gualtar, Braga, Portugal); **José A. Teixeira** (CEB - Centre of Biological Engineering, University of Minho, Campus de Gualtar, Braga, Portugal; LABBELS - Associate Laboratory, Braga, Guimarães, Portugal); **Pedro Moreira** (CIPsi – Psychology Research Centre, University of Minho, Campus de Gualtar, Braga, Portugal); **Eva Conceição** (Faculty of Psychology and Education Sciences, University of Porto, Porto, Portugal); **Adriana Sampaio** (CIPsi – Psychology Research Centre, University of Minho, Campus de Gualtar, Braga, Portugal); **Natividade S. Couto Pereira** (CIPsi – Psychology Research Centre, University of Minho, Campus de Gualtar, Braga, Portugal); **Clarisse Nobre** (CEB - Centre of Biological Engineering, University of Minho, Campus de Gualtar, Braga, Portugal)

P6.19 | Respiration Dynamics As A Means To Facilitate Perception

Daniel S. Kluger (University of Münster); **Nikos Chalas** (University of Münster); **Elio Balestrieri** (University of Münster); **Martina Saltafossi** (University of Münster); **Teresa Berther** (University of Münster); **Omid Abbasi** (University of Münster); **Joachim Gross** (University of Münster)

P6.20 | Dissociable Dynamics Of Corticospinal Excitability And Autonomic Arousal In Human Pain Conditioning

Daniela Dalbagno (University of Bologna); **Sonia Betti** (University of Padova); **Sara Garofalo** (University of Bologna); **Vanessa Mannari** (University of Bologna); **Giuseppe di Pellegrino** (University of Bologna); **Francesca Starita** (University of Bologna)

P6.21 | Neural Signatures Of Auditory Attention In Cochlear Implant Users Vs. Normal-hearing: Bottom-up Theta- Vs. Top-down Alpha Activity

Brilliant (Institute of AudioNeuroTechnology and Department of Experiment Otolaryngology, ENT Clinics, Hannover Medical School, Hannover, Germany); **Irina Schierholz** (Department of Otorhinolaryngology, Head and Neck Surgery, Faculty of Medicine and University Hospital Cologne, University of Cologne, Cologne, Germany); **Pascale Sandmann** (Department of Otolaryngology, Head and Neck Surgery, Carl von Ossietzky University Oldenburg, Oldenburg, Germany); **Andrej Kral** (Institute of AudioNeuroTechnology and Department of Experiment Otolaryngology, ENT Clinics, Hannover Medical School, Hannover, Germany)

P6.22 | Tracking The Neural Categorization Of Hands From Infancy To Adulthood Using Fast Periodic Visual Stimulation

Elisa Roberti (University of Milano-Bicocca); **Elena Guida** (University of Milano-Bicocca); **Giada Basset** (University of Milano-Bicocca); **Chiara Turati** (University of Milano-Bicocca); **Ermanno Quadrelli** (University of Milano-Bicocca)

P6.23 | Prefrontal Beta And Theta Bursts Coordinate The Acquisition Of Spatial Information

Frank J. van Schalkwijk (Hertie-Institute for Clinical Brain Research, Center for Neurology, University Medical Center Tübingen); **Randolph F. Helfrich** (Hertie-Institute for Clinical Brain Research, Center for Neurology, University Medical Center Tübingen)

P6.24 | Effects of L-theanine-caffeine combination on selective attention among adolescents with attention deficit hyperactivity disorder: A double-blind, placebo-controlled, crossover study

Dr. Gayani Nawarathna (Department of Basic Sciences, Faculty of Dental Sciences, University of Peradeniya, Peradeniya, Sri Lanka); **Prof. Dewasmika Ariyasinghe** (Department of Psychiatry, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka); **Dr. Nilantha Balasooriya** (Department of Psychiatry, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka); **Prof. Tharaka Dassanayake** (Department of Physiology, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka)

P6.25 | Rhythmic Complexity And Trait Empathy Modulate Internal Motor Simulation In Response To Music

Jonna K. Vuoskoski (University of Oslo); **Lieke Perik** (University of Oslo); **Christian Dyhre Foldal** (University of Oslo); **Jan Stupacher** (Aarhus University)

P6.26 | Identifying Attention Deficits In Brain-injured Patients: A Machine Learning Approach Using Eye-tracking In Immersive Vr And Its Relation To White Matter Disconnection

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P6.27 | Phase-Specific Coupling of Oscillatory Brain Activity during Sleep in Infants

Manuela Friedrich (Department of Psychology, Humboldt-Universität zu Berlin & Department of Neuropsychology, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig); **Eva-Maria Kurz** (Institute of Medical Psychology and Behavioral Neurobiology & Department of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy, University Hospital of Psychiatry and Psychotherapy, University of Tübingen); **Matthias Mölle** (Center of Brain, Behavior and Metabolism (CBBM), University of Lübeck)

P6.28 | Exploring the Effects of Motor Training Through Immersive Virtual Reality Alone and Combined with Parietal tDCS

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P6.29 | Electrophysiological Insights Into Corollary Discharge: Unraveling Sensorimotor Integration In Self-perception

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P6.30 | Shame And The Self: Neural And Phenomenological Signatures Of Self-incongruent Autobiographical Memories

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P6.31 | Naturalistic Assessment Of Attention And Related Deficits Through MEG–EEG And Virtual Reality

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P6.32 | Cognitive Eye Tracking Tasks As A Tool To Distinguish Adolescents With Depression From Healthy Controls

Blake K. Noyes (Queen's University); **Linda Booij** (McGill University); **Heidi C. Riek** (Queen's University); **Isabell C. Pitigoi** (Queen's University); **Jeff Huang** (Queen's University); **Don C. Brien** (Queen's University); **Brian C. Coe** (Queen's University); **Sarosh Khalid-Khan** (Queen's University); **Douglas P. Munoz** (Queen's University)

P6.33 | Intensity-dependent Auditory Self-generation Effects: Linking Neural And Perceptual Measures

Carla Salgado (Universitat de Barcelona); **Stefanie Sturm** (Universitat de Barcelona); **Marc Via** (Universitat de Barcelona); **Iria San Miguel** (Universitat de Barcelona)

P6.34 | When Senses Disagree - Functional Connectivity In The Developing Brain During Audiovisual Conflict

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P6.35 | Neurofeedback Targeting Global Alpha-band Connectivity Of Visual Areas To Improve Visual Perception

Despina Zlatkova (ivision of Neurorehabilitation, Department of Clinical Neurosciences, University Hospital of Geneva, Av. de Beau-Séjour 26, Geneva 1211, Switzerland); **Marija Uscumlic** (ivision of Neurorehabilitation, Department of Clinical Neurosciences, University Hospital of Geneva, Av. de Beau-Séjour 26, Geneva 1211, Switzerland); **Adrian G. Guggisberg** (ivision of Neurorehabilitation, Department of Clinical Neurosciences, University Hospital of Geneva, Av. de Beau-Séjour 26, Geneva 1211, Switzerland)

P6.36 | Pre-stimulus Shape Predictions Fluctuate At Alpha Rhythms And Bias Subsequent Perception

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P6.37 | Effects Of Cognitive Noise On The Temporal Dynamics Of Risky Choices

Dragan Rangelov (Swinburne University of Technology); **Andre McKay** (The University of Queensland); **Jason B Mattingley** (The University of Queensland)

P6.38 | Evaluating The Impact Of Cardiac Artifact Removal On Heartbeat And Auditory Evoked Potentials In Wakefulness And Sleep

Jacinte Cataldi (CHUV (Centre Hospitalier Universitaire Vaudois)); **Andria Pelentritou** (Department of Clinical Neurosciences (DNC), University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland); **Sophie Schwartz** (Department of Neuroscience, Faculty of Medicine, University of Geneva, Geneva, Switzerland; Swiss Center for Affective Sciences, University of Geneva, Geneva, Switzerland); **Marzia De Lucia** (Department of Clinical Neurosciences (DNC), University Hospital (CHUV) and University of Lausanne (UNIL), Lausanne, Switzerland ; Centre for Biomedical Imaging (CIMB), Lausanne, Switzerland)

P6.39 | Goal-directed Action Planning Relies On Integrated Neural Representations To Bind Goals, Actions And Sensory Outcomes

Jet Lageman (Vrije Universiteit Amsterdam); **Atsushi Kikumoto** (Brown University); **David Badre** (Brown University); **2Co-Author: Johannes J. Fahrenfort** (Vrije Universiteit Amsterdam); **Heleen A. Slagter** (Vrije Universiteit Amsterdam)

P6.40 | Ignore The Blue Elephant! Effects Of Cue Instruction On Feature-based Visual Attention

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P6.41 | Correlating Vep Components Across Task Conditions To Reveal Functional Clusters That Offer New Proposals For Their Functionality

K. S. Mohr (University College Dublin); **M. I. Vanegas** (University of Utah); **S. P. Kelly** (University College Dublin)

P6.42 | Self-other Focus And The Dynamics Of Spontaneous Synchrony

Kyveli Kompatsiari (DTU Compute); **Marius Zimmermann** (University of Regensburg); **Aliaksandr Dabranau** (DTU Compute); **Qianliang Li** (DTU Compute); **Ivana Konvalinka** (DTU Compute)

P6.43 | Electrophysiological Clustering Derived From Deductive And Inductive Reasoning: An Exploratory Meg Analysis

Marcos Uceta (Department of Cellular Biology and Histology, Faculty of Biological Sciences); **Alberto Del Cerro-León** (Department of Experimental Psychology, Faculty of Psychology); **Luis F. Antón-Toro** (Department of Experimental Psychology, Faculty of Psychology); **Fernando Maestú** (Department of Experimental Psychology, Faculty of Psychology); **Carmen Requena** (Research Group on Aging, Neuroscience and Applied Logic, Department of Psychology, Sociology and Philosophy, University of Leon); **Francisco Salto** (Research Group on Aging, Neuroscience and Applied Logic, Department of Psychology, Sociology and Philosophy, University of Leon)

P6.44 | When Novel Feels Familiar: Prototype-like Stimuli Elicit Concept-driven Recognition Bias

Marcos-Manchón, Pablo (University of Barcelona); **Marín-Fonseca, Andrea** (University of Barcelona); **Fuentemilla, Lluís** (University of Barcelona)

P6.45 | NMDA Receptor Blocker with Enhanced Membrane-to-Channel Inhibition, CNS Penetration, and Potent Synaptic Inhibition While Preserving Plasticity

Marek Ladislav (Institute of experimental medicine CAS); **Anna Misiachna** (Institute of experimental medicine CAS); **Marharyta Kolcheva** (Institute of experimental medicine CAS); **Jan Konecny** (University Hospital Hradec Kralove, Biomedical Research Center); **Ondrej Soukup** (University Hospital Hradec Kralove, Biomedical Research Center); **Martin Horak** (Institute of experimental medicine CAS)

P6.46 | Musical Aptitude And Reading In The Developing Brain: The Role Of Cortical Speech Tracking And Phonological Awareness In Early Childhood

Maria Garcia-de-Soria (University of Aberdeen); **Dr Brian Mathias** (University of Aberdeen); **Dr Anne Keitel** (University of Dundee); **Dr Anastasia Klimovich-Gray** (University of Aberdeen)

P6.47 | Neural Dynamics Of Socioemotional Conflict: An Erp Study Using A Stroop Paradigm

Maria Pires Coelho (Coimbra Institute for Biomedical Imaging and Translational Research); **Daniel Agostinho** (Centre for Informatics and Systems of the University of Coimbra (CISUC)); **Teresa Sousa** (Coimbra Institute for Biomedical Imaging and Translational Research (CIBIT), University of Coimbra); **Gabriel Pires** (Department of Electrical and Computer Engineering, Institute of Systems and Robotics, University of Coimbra); **Miguel Castelo-Branco** (Faculty of Medicine, University of Coimbra (FMUC))

P6.48 | Unraveling Memory Engrams For Basic Visual Features

Marius Kreis (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Sara-Estelle Lindwein** (Ludwig-Maximilians-Universität, München, Germany); **Sebastian Müller** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Svenja Brodt** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany)

P6.49 | The Role Of Spatial Structure In Human And Model-based Categorization

Michelle Hefner (Mind, Brain and Behavior Research Center, University of Granada); **Maria Ruz** (Mind, Brain and Behavior Research Center, University of Granada); **Christopher Summerfield** (University of Oxford)

P6.50 | The Critical Role Of Ventral Premotor Cortex In Mediating Automatic Imitation: A Online rTMS Study

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P6.51 | Neuro-xr: Blending Neuroscience And Extended Reality To Facilitate Cognitive Investigation

Ulrike Senftleben (TUD Dresden University of Technology); **Clíona Murray** (Yale University); **Paola Pinti** (Birkbeck, University of London); **Nicholas A. Alexander** (University College London); **Samantha E. A. Gregory** (University of Salford)

P6.52 | Neural Representations Of Speech Content Generalize Across Different Production Types

Vera A. Voigtlaender (University of Tübingen); **Florian Sandhaeger** (University of Tübingen); **Markus Siegel** (University of Tübingen)

P6.53 | Detecting Behavioural Oscillations With Increased Sensitivity

Anthony Harris (The University of Queensland)

P6.54 | Peripheral Beta-blockade Differentially Enhances Cardiac And Respiratory Interoception

Ashley Tyrer (Aarhus University); **Jesper Fischer Ehmsen** (Aarhus University); **Kelly Hoogervorst** (Aarhus University); **Niia Nikolova** (Aarhus University); **Victor Pando-Naude** (Aarhus University); **Christian Holm Steenkjær** (Aalborg University); **Arthur Courtin** (Aarhus University); **Francesca Fardo** (Aarhus University); **Tobias Hauser** (University of Tübingen); **Francesco Bavato** (Aarhus University); **Micah Allen** (Aarhus University)

P6.55 | Can't Remember To Forget You: Spontaneous Retrieval Of No-longer-relevant Intentions

Beatriz Mello (Escola de Psicologia da Universidade do Minho); **Pedro B. Albuquerque** (Escola de Psicologia da Universidade do Minho); **Diego Pinal** (Escola de Psicologia da Universidade do Minho)

P6.56 | Body Awareness Predicts Balance In Adolescents

Edoardo Passarotto (University of Padova); **Matilde Paramento** (University of Padova); **Maria Rubega** (University of Padova); **Michela Agostini** (University of Padova); **Maria Chiara Maccarone** (University of Padova); **Paola Contessa** (University of Padova); **Emanuela Formaggio** (University of Padova); **Stefano Masiero** (University of Padova)

P6.57 | The Clash Of Words: A Multidimensional EEG Approach To Continuous Semantic Conflict In Picture Naming

Irene Di Pietro (University of Padova); **Giada Viviani** (University of Padova); **Marco Petilli** (University of Milano Bicocca); **Marco Marelli** (University of Milano Bicocca); **Maria Montefinese** (University of Padova); **Ettore Ambrosini** (University of Padova)

P6.58 | Psyforge: A Robust Framework for Building Real-time 2D and 3D Experiments

James Bruska (Bruska Technologies LLC)

P6.59 | Rehabilitation Of Attentional Disorders Following Acquired Brain Injury Using A New Immersive Virtual Reality Protocol: A Feasibility Study

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P6.60 | The relationship between insomnia, cognitive performance and depressive symptoms in Major Depressive Disorder patients and healthy controls

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P6.61 | The Influence Of Circadian Rhythm On Brain Tissue Microstructure

Manfredi Alberti (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Sebastian Mueller** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Svenja Klinkowski** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Michael Erb** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Klaus Scheffler** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany); **Steffen Gais** (Institute of Medical Psychology, University of Tübingen, Tübingen, Germany); **Monika Schönauer** (Institute of Psychology, Neuropsychology, University of Freiburg, Freiburg, Germany); **Svenja Brodt** (Max Planck Institute for Biological Cybernetics, Tübingen, Germany)

P6.62 | Autism And Aging: An Erp Study Of Auditory Change Detection

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P6.63 | Attention Bias As A Mechanism In PTSD And Substance Use: Is Eye-Tracking The New Gold Standard? – A Systematic Review And Meta-Analysis

Meyra Sophie Jackson (University of Sussex); **Raquel Nogueira-Arjona** (University of Sussex); **Pablo Romero-Sanchiz** (University of Sussex)

P6.64 | How Attentional Focus Influences Statistical Learning: A Behavioral And Oculometric Study

Philippe Blondé (Cognitive Science Center, Jagiellonian University, Poland); **Marcin Leszczyński** (Cognitive Science Center, Jagiellonian University, Poland; Department of Psychiatry, Columbia University College of Physicians and Surgeons, New York)

P6.65 | Exploring The Impact Of Optimized Urban Scenarios On Mci

RAMOS, Inês (Institute of Physiology, Lisbon School of Medicine, University of Lisbon, Lisbon, Portugal); **ROCHA, Pedro** (Institute of Physiology, Lisbon School of Medicine, University of Lisbon, Lisbon, Portugal); **MIRANDA, Bruno** (Institute of Physiology, Lisbon School of Medicine, University of Lisbon, Lisbon, Portugal; Associate Laboratory TERRA, Centre of Geographical Studies, Institute of Geography and Spatial Planning, University of Lisbon, Portugal); **BURGHARDT, Tayson** (Institute of Physiology, Lisbon School of Medicine, University of Lisbon, Lisbon, Portugal; Other affiliation, London, UK)

P6.66 | Effects Of Predictability On Sequence Order Memory

Stratos Koukouvini (University of Glasgow); **Maria Wimber** (University of Glasgow)

P6.67 | Levels Of Inner Speech – An Investigation Of Oscillatory Dynamics

Viktoria Groiss (Department of Linguistics, University of Vienna, Austria); **Jutta Mueller** (Department of Linguistics, University of Vienna, Austria)

P6.68 | Semantic Control In Episodic Memory Encoding: An Ageing fMRI Study

Fiona Lancelotte (University of Sussex, UK); **Alexa Morcom** (University of Sussex, UK)

P7.01 | Audio-visual oddball task as sensitive MEG biomarker to Alzheimer's disease

Alexandra Krugliak (University of Cambridge); **Mats WJ van Es** (University of Oxford); **Marlou N Perquin** (University of Cambridge); **Chun Shen** (University of Cambridge, Fudan University); **Jemma Pitt** (University of Oxford); **Haddy Fye** (University of Cambridge); **Cara Alcock** (University of Oxford); **Ece Kocagoncu** (University of Cambridge); **Melek Karadag** (University of Cambridge); **Juliette H Lanskey** (University of Cambridge); **Rebecca Williams** (University of Cambridge); **Andrew J Quinn** (University of Oxford, University of Birmingham); **Tony Thayanandan** (University of Oxford); **Stephen Lowe** (Lilly Corporate Center); **Vanessa Raymont** (University of Oxford); **Krish D Singh** (Cardiff University); **Mark Woolrich** (University of Oxford); **Anna C Nobre** (Yale University); **Richard N Henson** (University of Cambridge); **James B Rowe** (University of Cambridge); **the NTAD study group**

P7.03 | Feasibility of VR-based Gamma Sensory Stimulation in Mild Alzheimer's Disease: Neural and Acute Behavioral Outcomes

Carolina Reis (Clarity Health Technologies, Inc., DE, USA); **Hamed Azizollahi** (Clarity Health Technologies, Inc., DE, USA); **Eleonora Marcantoni** (School for Psychology and Neuroscience and Centre for Cognitive Neuroimaging, University of Glasgow, Glasgow G12 8QB, UK); **Gabriel Headley** (Clarity Health Technologies, Inc., DE, USA); **Sergi Navarro** (Clarity Health Technologies, Inc., DE, USA)

P7.04 | Can Narratives Be Used As A Tool For Boosting Retention Of Educational Materials?

Chloe Brunskill (University of York); **Aidan Horner** (University of York)

P7.05 | An ERP, Time-frequency And Decoding Study Of Differences And Similarities Between Speech Comprehension And Subvocal Speech Production

Clara Soberats (Center for Mind/Brain Sciences, Università di Trento); **Roberto Zamparelli** (Center for Mind/Brain Sciences, Università di Trento)

P7.06 | Hippocampal Prediction Errors Arise From Episodic Memories, And Not Generalised Knowledge-based Expectations

Dominika Varga (University of Sussex); **Petar Raykov** (MRC Cognition and Brain Sciences Unit, University of Cambridge); **Elizabeth Jefferies** (University of York); **Aya Ben-Yakov** (Edmond & Lily Safra Center for Brain Sciences, Hebrew University of Jerusalem); **Chris Bird** (University of Sussex)

P7.09 | Coupled Sleep Oscillations Enable Concept Neuron Reactivation And Information Flow Across The Human Hippocampal-Cortical Circuit

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P7.10 | The Role Of Rhythmic Activity In The Development Of Auditory Processing And Response Inhibition

Finnilä Elena (University of Jyväskylä); **Parviainen Tiina** (University of Jyväskylä); **Kujala Jan** (University of Jyväskylä)

P7.11 | Rejection Sensitivity In Adolescence: Neural Correlates Of Negative Affective Emotional Processing

Inês Carvalho (School of Psychology, University of Minho, Braga, Portugal); **Marlene Nogueira** (School of Psychology, University of Minho, Braga, Portugal); **Sónia S. Sousa** (School of Psychology, University of Minho, Braga, Portugal); **Beatriz Maia** (School of Psychology, University of Minho, Braga, Portugal); **Liliana Capitão** (School of Psychology, University of Minho, Braga, Portugal); **Isabel Soares** (School of Psychology, University of Minho, Braga, Portugal; ProChild CoLAB Collaborative Laboratory, Guimarães, Portugal); **Ana Raquel Mesquita** (ProChild CoLAB Collaborative Laboratory, Guimarães, Portugal); **Adriana Sampaio** (School of Psychology, University of Minho, Braga, Portugal); **Natividade S. Couto Pereira** (School of Psychology, University of Minho, Braga, Portugal)

P7.12 | Is Valence A Low-level Visual Property? Garner Interference Between Valence And Hue In Conscious Perception Of Color

Inès Mentec (Université libre de Bruxelles); **Martine Malaise** (Université libre de Bruxelles); **Axel Cleeremans** (Université libre de Bruxelles)

P7.13 | Optimal Transport As A Model For Sub-letter Orthographic Processing

Jack E. Taylor (Department for Psychology, Goethe University Frankfurt); **Rasmus Sinn** (Department for Psychology, Goethe University Frankfurt); **Cosimo Iaia** (Department for Psychology, Goethe University Frankfurt); **Christian J. Fiebach** (Department for Psychology, Goethe University Frankfurt)

P7.14 | When The Brain Prepares To Act: How Response Expectation Shapes Serial Dependence And Neural Representations

Junlian Luo (Centre Hospitalier Universitaire Vaudois (CHUV), Université de Lausanne (UNIL), The Sense Innovation and Research Center, Lausanne, Switzerland); **David Pascucci** (Centre Hospitalier Universitaire Vaudois (CHUV), Université de Lausanne (UNIL), The Sense Innovation and Research Center, Lausanne, Switzerland)

P7.15 | Rapid rTPJ-driven signals encode malicious intentions during implicit moral evaluation: a TMS-EEG study

Kamela Cenka (Centro Studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy); **Chiara Spaccasassi** (Centro Studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy); **Stella Petkovic** (Sapienza, University of Rome and CLN2S@SAPIENZA, Istituto Italiano di Tecnologia, Rome, Italy); **Rachele Pezzetta** (IRCCS Ospedale San Camillo, Venice, Italy); **Giorgio Arcara** (IRCCS Ospedale San Camillo, Venice, Italy); **Alessio Avenanti** (Centro studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy)

P7.16 | Neural Adaptation To Expected Uncertainty In Neurotypical And Autistic Adults: A Meg Study

Kristina Pultsina (Moscow MEG-centre); **Tatiana Stroganova** (Moscow MEG-centre); **Galina Kozunova** (Moscow MEG-centre); **Boris Chernyshev** (Moscow MEG-centre)

P7.17 | Testing Competitive Interactions Between Imagery and Perception Using EEG

Maëlle Lerebourg (Donders Institute for Brain, Cognition, and Behaviour, Radboud University, Nijmegen, Netherlands); **Marius V. Peelen** (Donders Institute for Brain, Cognition, and Behaviour, Radboud University, Nijmegen, Netherlands)

P7.18 | Sex-specific Behavioral And Molecular Alterations In Adolescent And Adult Rats Prenatally Exposed To Valproic Acid

Maia Burjanadze (Ivane Beritashvili Center of Experimental Biomedicine); **Nino Chkhikvishvili** (Ivane Beritashvili Center of Experimental Biomedicine); **Mariam Chighladze** (Ivane Beritashvili Center of Experimental Biomedicine)

P7.19 | Spectral Power Changes With Increased Alzheimer's Biomarkers In Cognitively Unimpaired Elderly

Martina Kopčanová (University of Dundee); **Christie Morse** (Yeshiva University,); **Andrew Northrop** (University of California San Francisco); **Stephanie Buss** (Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center and Harvard Medical School); **Christopher Benwell** (University of Dundee); **Recep Ozdemir** (Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center and Harvard Medical School); **Mouhsin Shafi** (Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center and Harvard Medical School); **Peter Fried** (Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center and Harvard Medical School)

P7.20 | Neural Representations Of Natural Auditory Distractors

Patrik Wikman (University of Helsinki, Aalto University); **Miro Ilomäki** (University of Helsinki); **Annamária Dávid** (University of Helsinki); **Eve Kataikko** (University of Helsinki); **Sakari Säisä** (University of Helsinki); **Vilja Särelä** (University of Helsinki); **Suvi Vilppula** (University of Helsinki); **Ilkka Muukkonen** (KU Leuven)

P7.21 | Who's in the Room Matters: Testing the Effects of Social Distance on Semantic Processing. Evidence from ERPs

Pilar Casado (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **Tatiana Almeida-Rivera** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **Manuel Martín-Loeches** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **Sabela Fondevila** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **Francisco Muñoz-Muñoz** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **Miguel Rubianes** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **José Sánchez-García** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain); **Laura Jiménez-Ortega** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain. NeuroKnowledge Research Center, Madrid, Spain)

P7.22 | Investigating The Early Temporal Dynamics Of Affordance And Spatial Compatibility Effects Towards Humans And Objects: An Eeg Study

Pinar Demir (Koç University); **Fatmanur Etili** (Kadir Has University); **Efe Soyman** (Koç University)

P7.23 | 3-d Visuospatial Ability Modulates Performance And Erp Dynamics In A 2-d Letter Rotation Paradigm

Rozemun Khan (Utrecht University); **Stamatia Bekiari** (Utrecht University); **Beerend Hierck** (Utrecht University); **Daniela Salvatori** (Utrecht University); **J. Leon Kenemans** (Utrecht University)

P7.24 | The Effect Of Transcranial Random Noise Stimulation On Language Learning

Samaneh Rashidi (School of Psychology, University of Surrey); **Shachar Hochman** (School of Psychology, University of Surrey); **Roi Cohen Kadosh** (School of Psychology, University of Surrey)

P7.25 | Predicting Affective Shifts In Stroop Performance: A Reinforcement Meta-learning Approach

Sofya Balanina (National Research University Higher School of Economics); **Timofei Berezner** (National Research University Higher School of Economics)

P7.26 | The Effects Of Partial Sleep Deprivation On Mind Wandering, Behaviour And Mood

Steffen Rygg Aasenb (UiT - The Arctic University of Norway, Tromsø, Norway); **Samy Engebø Babiker** (UiT - The Arctic University of Norway, Tromsø, Norway); **Ingvild Saksvik-Lehouillier** (Norwegian University of Science and Technology, Trondheim, Norway); **Aurora Marie Kleivik Vangen** (UiT - The Arctic University of Norway, Tromsø, Norway); **Silje Balsnes Haugan** (UiT - The Arctic University of Norway, Tromsø, Norway); **Sanna Aurora Sandell** (UiT - The Arctic University of Norway, Tromsø, Norway); **Gábor Csifcsák** (UiT - The Arctic University of Norway, Tromsø, Norway); **Matthias Mittner** (UiT - The Arctic University of Norway, Tromsø, Norway)

P7.27 | Consequences Of Social Isolation On Behavior And Hypothalamic Monoaminergic Transmission In Adult Dominant And Submissive Rats

Tamar Domianidze (Ivane Beritashvili Center of Experimental Biomedicine); **Tamar Matitaishvili** (Ivane Beritashvili Center of Experimental Biomedicine); **George Burjanadze** (Ivane Javakhishvili Tbilisi State University); **Mariam Shengelia** (Ivane Javakhishvili Tbilisi State University); **Nato Menteshashvili** (Ivane Beritashvili Center of Experimental Biomedicine)

P7.28 | Hallucinations In Human-like Chatbots: Effects On Service Satisfaction, Anthropomorphism And Neural Correlates

Ulrike Senftleben (TUD Dresden University of Technology); **Luisa Cunäus** (TUD Dresden University of Technology); **Martina Dulik** (TUD Dresden University of Technology); **Jens R. Helmert** (TUD Dresden University of Technology); **R. Stefan Greulich** (TUD Dresden University of Technology)

P7.29 | Forgetting Object Features When Embedded In A Wider Episodic Event

Dr Arianna Moccia (University of York); **Prof Simon J. James** (Durham University); **Prof Aidan J Horner** (University of York)

P7.30 | Effects Of Immersive Virtual Reality Combined With Transcranial Direct Current Stimulation On Implicit Motor Learning

Bárbara Ricci de Souza (Universidade Presbiteriana Mackenzie); **Marília Lira da Silveira Coelho** (Universidade Presbiteriana Mackenzie); **Matheus Gruenwald Peres** (Universidade Presbiteriana Mackenzie)

P7.31 | Unraveling Partisan Misinformation: Eeg Insights Into Cognitive Flexibility

Daniela Lizarazo Villarreal (Universidad Autonoma de Barcelona); **Angela Marti-Marca** (Universidad Pompeu Fabra); **Mireia Torralba** (Universidad Pompeu Fabra); **Salvador Soto-Faraco** (Universidad Pompeu Fabra); **Clara Pretus** (Universidad Autonoma de Barcelona)

15:30 POSTER SESSION 7 P 7.1 - 7.68 main hall 1st floor

P7.32 | Wiping Out The Past: Alpha Oscillations Decorrelate Current Percepts From Prior Stimuli

David Pascucci (Psychophysics and Neural Dynamics Lab, Lausanne University Hospital and University of Lausanne)

P7.33 | Cortical Correlates As Signature Of Emotional States Induced By Music

Edoardo Passarotto (University of Padova); **Giovanna Puccio** (Conservatory of Music "Francesco Venezze"); **Gabrielvincenzo Apicella** (Conservatory of Music "Francesco Venezze"); **Emanuela Formaggio** (University of Padova); **Francesco Piccione** (University of Padova); **Maria Rubega** (University of Padova); **Rossana Gesuato** (Conservatory of Music "Francesco Venezze"); **Vincenzo Soravia** (Conservatory of Music "Francesco Venezze"); **Stefano Masiero** (University of Padova)

P7.34 | Computational Mechanisms of Temporal Anticipation in Perception and Action

Gal Vishne (The Hebrew University of Jerusalem, Jerusalem, Israel); **Leon Y. Deouell** (Columbia University, New York, NY, US); **Ayelet N. Landau** (University College London, London, UK)

P7.35 | Desynchronizing Brain Oscillations With Closed-loop Tacs

Inge Leunissen (Maastricht University); **Zhou Fang** (Maastricht University); **Alexander Sack** (Maastricht University)

P7.36 | Resting-state neural oscillations in children with developmental dyslexia: A preliminary MEG study

Jiaqi Mao (BCBL, Basque Center on Cognition, Brain and Language, Spain); **Nicola Molinaro** (BCBL, Basque Center on Cognition, Brain and Language, Spain); **Mikel Lizarazu** (BCBL, Basque Center on Cognition, Brain and Language, Spain)

P7.37 | Evaluation Of Eye Movement Detection Algorithms Using Peyes – A Novel Open Source Python Toolkit

Jonathan Nir (Edmond and Lily Safra Center for Brain Sciences, The Hebrew University of Jerusalem, Jerusalem 9190401, Israel); **Leon Y. Deouell** (Edmond and Lily Safra Center for Brain Sciences, The Hebrew University of Jerusalem, Jerusalem 9190401, Israel)

P7.38 | Noxious And Non-noxious Thermal Stimuli Modulate Perturbational Complexity In Human EEG

Kora T. Montemagno (Centre of Functionally Integrative Neuroscience, Aarhus University, Denmark); **Arthur S. Courtin** (Centre of Functionally Integrative Neuroscience, Aarhus University, Denmark; Institute of Neuroscience, Université catholique de Louvain, Belgium); **Dounia Mulders** (Institute of Neuroscience, Université catholique de Louvain, Belgium; Institute for Information and Communication Technologies, Electronics and Applied Mathematics, Université catholique de Louvain, Belgium); **Francesca Fardo** (Centre of Functionally Integrative Neuroscience, Aarhus University, Denmark; Danish Pain Research Center, Aarhus University, Denmark)

P7.39 | Neutral By Choice: Eliciting Cognitive States of Neutrality in (Auditory) Perceptual Decisions

Luzie Kallfaß (Centre for Integrative Neuroscience, University Medical Centre Tübingen, Germany; Graduate Training Centre of Neuroscience Tübingen, Germany; Heidelberg Academy of Sciences and Humanities, Germany); **Carla Ludig** (Department of Biology, Eberhard Karls University Tübingen, Germany); **Mara Wolter** (Centre for Integrative Neuroscience, University Medical Centre Tübingen, Germany; Graduate Training Centre of Neuroscience Tübingen, Germany; International Max Planck Research School for The Mechanisms of Mental Function and Dysfunction, Tübingen, Germany); **Christoph W. Korn** (Heidelberg Academy of Sciences and Humanities, Germany; Section Social Neuroscience, Department of General Psychiatry, Heidelberg University, Germany); **Verena Wagner** (Heidelberg Academy of Sciences and Humanities, Germany; Department of Philosophy, HU Berlin, Germany 8 Berlin School of Mind and Brain, HU Berlin, Germany); **Yulia Oganian** (Centre for Integrative Neuroscience, University Medical Centre Tübingen, Germany; Heidelberg Academy of Sciences and Humanities, Germany)

P7.40 | The Influence Of Actively Testing Predictions On Curiosity And Learning

Marika Constant (Donders Institute for Brain, Cognition and Behaviour, Radboud University); **Lieke van Lieshout** (Donders Institute for Brain, Cognition and Behaviour, Radboud University); **Eva Berlot** (Donders Institute for Brain, Cognition and Behaviour, Radboud University); **Floris de Lange** (Donders Institute for Brain, Cognition and Behaviour, Radboud University)

P7.41 | Adaptive Suppression And Enhancement In Auditory Search

Max Schulz (Universität zu Lübeck); **Jonas Obleser** (Universität zu Lübeck); **Malte Wöstmann** (Universität zu Lübeck)

P7.42 | Inter-individual Variability In Event-related Potential Is Not Noise

Melissa Faggella (EPFL, Switzerland); **Simona Garobbio** (EPFL, Switzerland); **Wei-Hsiang Lin** (EPFL, Switzerland); **Maya Roinishvili** (Free University of Tbilisi, Georgia); **Eka Chkonia** (Tbilisi State Medical University, Georgia); **Michael Herzog** (EPFL, Switzerland)

P7.43 | More Flexible And Partitioned Brain Bimanual Control Network In Young Compared To Older Adults

Mikael Novén (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark); **Ditte Haagerup** (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark); **Jesper Lundbye-Jensen** (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark); **Kristoffer Hougaard Madsen** (Danish Research Centre for Magnetic Resonance, Department of Radiology and Nuclear Medicine, Copenhagen University Hospital Amager and Hvidovre, Hvidovre, Denmark; Department of Applied Mathematics and Computer Science, Technical University of Denmark, Kongens Lyngby, Denmark; Department of Radiology, Zealand University Hospital, Roskilde, Denmark); **Hartwig Roman Siebner** (Danish Research Centre for Magnetic Resonance, Department of Radiology and Nuclear Medicine, Copenhagen University Hospital Amager and Hvidovre, Hvidovre, Denmark; Department of Neurology, Copenhagen University Hospital Bispebjerg and Frederiksberg, Copenhagen, Denmark; Institute for Clinical Medicine, Faculty of Medical and Health Sciences, University of Copenhagen, Copenhagen, Denmark); **Anke Ninija Karabanov** (Movement and Neuroscience, Department of Nutrition, Exercise and Sports, University of Copenhagen, Denmark)

P7.44 | Intranasal Administration Of Oxytocin Improves The Maintenance Of The Conditioned Reflex Of Active Avoidance

Militsa Svanidze (Iv.Javakhishvili State University, Iv.Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Bukia Nato** (Iv.Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Butskhrikidze Marina** (Iv.Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Machavariani Lamara** (Iv.Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia)

P7.45 | Frequency Tagging Tracks Automatic Capture And Global Feature Spread During Visual Search

Norman Forschack (Wilhelm Wundt Institute For Psychology); **Matthias M. Müller** (Wilhelm Wundt Institute For Psychology)

P7.46 | How EEG Preprocessing Shapes Decoding Performance

Roman Kessler (Max Planck Institute for Human Cognitive and Brain Sciences); **Alexander Enge** (Humboldt-Universität zu Berlin); **Michael A. Skeide** (Max Planck Institute for Human Cognitive and Brain Sciences)

P7.47 | Fake News Persists: The Semantic Processing Of Beyond Emotional States

Sabela Fondevila Estévez (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain & NeuroKnowledge Research Center, Madrid, Spain); **Emma Osorio Iriarte** (Universidad de Valladolid & SUCEDe); **José Sánchez-García** (UNIR & NeuroKnowledge Research Center, Madrid, Spain); **Laura Jiménez-Ortega** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain & NeuroKnowledge Research Center, Madrid, Spain); **Pilar Casado** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain & NeuroKnowledge Research Center, Madrid, Spain); **Miguel Rubianes** (NeuroKnowledge Research Center, Madrid, Spain); **Francisco Muñoz Muñoz** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain & NeuroKnowledge Research Center, Madrid, Spain); **Tatiana Florencia Almeida Rivera** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain & NeuroKnowledge Research Center, Madrid, Spain); **Manuel Martín-Loeches** (Department of Psychobiology & Behavioral Sciences Methods, Complutense University of Madrid, Madrid, Spain & NeuroKnowledge Research Center, Madrid, Spain)

P7.48 | Dynamic Modulation Of Pupillary Response During Emotional Processing In Parkinson's Disease: Effects Of Dopaminergic State And Subthalamic Nucleus Microlesion And Stimulation

Sánchez-Fernández F. L. (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Sanmartino F.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Méndez-Bértolo C.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Rashid-López R.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Neurology, Puerta del Mar University Hospital, Spain); **López-Sosa F.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Cruz-Gómez A. J.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Lozano-Soto E.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Macías-García P.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain); **Riqué J.** (Department of Neurosurgery, Puerta del Mar University Hospital, Spain); **Espinosa-Rosso R.** (Department of Neurology, Puerta del Mar University Hospital, Spain); **González-Rosa J. J.** (Psychophysiology and Neuroimaging Group, Biomedical Research Institute of Cádiz (INiBICA); Department of Psychology, University of Cádiz, Spain)

P7.49 | Cortical Activation and Visual Preference in Autism Spectrum Disorder: Preliminary Evidence from Eye-Tracking and fNIRS

Victor Silva (Universidade Federal do ABC (UFABC); **Vanessa Santos** (Universidade Federal do ABC (UFABC); **Katarina Duarte** (Universidade Federal do ABC (UFABC); **Noemi Takiuchi** (Instituto PENSI); **João Sato** (Universidade Federal do ABC (UFABC); **Claudinei Biazoli** (Universidade Federal do ABC (UFABC); **Edson Amaro** (Faculdade de Medicina da Universidade de São Paulo (FMUSP); **Katerina Lukasova** (Universidade Federal do ABC (UFABC)

P7.50 | Mapping The Rapid And Dynamic Responses Of The Primary Somatosensory Cortex In Empathy For Pain: A Tms-eeg Study

Alice Marra (Centro Studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy); **Yanyan Gao** (Centro Studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy); **Kamela Cenka** (Centro Studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy); **Rachele Pezzetta** (IRCCS Fondazione Ospedale San Camillo, Venice, Italy); **Giorgio Arcara** (IRCCS Fondazione Ospedale San Camillo, Venice, Italy); **Alessio Avenanti** (Centro Studi e ricerche in Neuroscienze Cognitive, Dipartimento di Psicologia "Renzo Canestrari", Alma Mater Studiorum Università di Bologna, Cesena Campus, Cesena, Italy)

P7.51 | Concurrent Selection Of Internal Goals And External Sensations During Visual Search

Baiwei Liu (Vrije Universiteit Amsterdam); **Freek van Ede** (Vrije Universiteit Amsterdam)

P7.52 | Auditory Hemispheric Asymmetries In The Light Of Ecological Acoustics: The Action-Object Framework

Ben H. Engler (Department of Psychology, Centre for Cognitive Neuroscience, Paris-Lodron-University of Salzburg, Salzburg, Austria); **Benjamin Morillon** (Aix Marseille Université, INSERM, INS, Institut de Neurosciences des Systèmes, Marseille, France)

P7.53 | Rhythmic Light Stimulation Elicits Multiple, Concurrent Neural Responses That Separably Shape Human Cognition

Benjamin J. Griffiths (University of Nottingham, UK); **Katharina Duecker** (Brown University, USA); **Camille Fakche** (Centre de Recherche en Neurosciences de Lyon, France); **Laura Dugué** (Université Paris Cité, France); **Andrew Quinn** (University of Birmingham, UK); **Ole Jensen** (University of Oxford, UK)

P7.54 | Time-resolved neural processes underlying attentional integration and selection

Blanca Aguado-López (Mind, Brain and Behavior Research Center, University of Granada, Spain); **Ana F. Palenciano** (Mind, Brain and Behavior Research Center, University of Granada, Spain); **María Ruz** (Mind, Brain and Behavior Research Center, University of Granada, Spain)

P7.55 | Effects Of Material Properties On Motor-imagery And Precision Grip Grasping

Christian Houborg (Experimental Psychology, Justus Liebig University, Giessen, Germany); **Roland W. Fleming** (Center for Mind, Brain and Behavior, Universities of Marburg, Giessen, and Darmstadt, Marburg, Germany)

P7.56 | Neural Adaptations In Multi-alternative Perceptual Decisions

Douglas Lee (University College Dublin); **Kevin Aherne** (University College Dublin); **Redmond O'Connell** (Trinity College Dublin); **Simon Kelly** (University College Dublin); **Elaine Corbett** (University College Dublin)

P7.57 | Effect Of Speaking Rate On The Stability Of Acoustics And Articulatory Movements In Adults

Fatemeh Mollaei (University of Reading, England, UK); **Ioanna Anastasopoulou** (Hospital for Sick Children Research Institute, Canada); **Douglas Cheyne** (University of Toronto, Canada); **Blake W. Johnson** (Macquarie University, Australia)

P7.58 | Frequency-specific Oscillatory Network Dynamics Underlying Temporal And Spatial Attention In Humans

Gabriela Cruz (School of Psychology and Neuroscience, University of Glasgow); **Mate Gyurkovics** (School of Psychology, University of East Anglia, Norwich, UK); **J.Matias Palva** (Neuroscience and Biomedical Engineering, Aalto University); **Gregor Thut** (Centre de Recherche Cerveau et Cognition (CerCo), CNRS UMR5549 and Université de Toulouse); **Satu Palva** (Neuroscience Center, Helsinki Institute of Life Science, University of Helsinki)

P7.59 | Dream Content Analysis In Idiopathic Rem Sleep Behavior Disorder: A Natural Language Processing Approach

Giorgia Bontempi (Sleep, Plasticity, and Conscious Experience Group, MoMiLab Research Unit, IMT School for Advanced Studies Lucca, Lucca, Italy); **Elena Capriglia** (Unit of Sleep Medicine and Epilepsy, IRCCS Mondino Foundation, Pavia, Italy; Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy); **Gaetano Malomo** (Unit of Sleep Medicine and Epilepsy, IRCCS Mondino Foundation, Pavia, Italy; Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy); **Alessandro Colitta** (Neurology Unit, Department of Clinical & Experimental Medicine, University of Pisa, Pisa, Italy); **Francesca Buracchi Torresi** (Neurology Unit, Department of Clinical & Experimental Medicine, University of Pisa, Pisa, Italy); **Domeniko Hoxhaj** (Neurology Unit, Department of Clinical & Experimental Medicine, University of Pisa, Pisa, Italy); **Michelangelo Maestri** (Neurology Unit, Department of Clinical & Experimental Medicine, University of Pisa, Pisa, Italy); **Michele Terzaghi** (Unit of Sleep Medicine and Epilepsy, IRCCS Mondino Foundation, Pavia, Italy; Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy); **Giulio Bernardi** (Sleep, Plasticity, and Conscious Experience Group, MoMiLab Research Unit, IMT School for Advanced Studies Lucca, Lucca, Italy); **Valentina Elce** (Sleep, Plasticity, and Conscious Experience Group, MoMiLab Research Unit, IMT School for Advanced Studies Lucca, Lucca, Italy)

P7.60 | The Effect Of Integrated Cognitive And Aerobic Exercise Training On The Engagement Of Pupil-linked Arousal During A Reinforcement Learning Task

Hicran Besikci (Coimbra Institute for Biomedical Imaging and Translational Research (CIBIT), Institute of Nuclear Sciences Applied to Health (ICNAS), University of Coimbra, Portugal); **Kaan Akalp** (University of Coimbra, CIDAF-FCDEF-UC, Coimbra, Portugal & Faculty of Sport Sciences and Physical Education, University of Coimbra, Portugal); **Ana Rita Silva** (CINEICC, Faculty of Psychology and Educational Sciences, University of Coimbra, Portugal); **Ana Maria Teixeira** (University of Coimbra, CIDAF-FCDEF-UC, Coimbra, Portugal & Faculty of Sport Sciences and Physical Education, University of Coimbra, Portugal); **Luís M. Rama** (University of Coimbra, CIDAF-FCDEF-UC, Coimbra, Portugal & Faculty of Sport Sciences and Physical Education, University of Coimbra, Portugal); **Miguel Castelo-Branco** (Coimbra Institute for Biomedical Imaging and Translational Research (CIBIT), Institute of Nuclear Sciences Applied to Health (ICNAS), University of Coimbra, Portugal & Faculty of Medicine, University of Coimbra, Portugal); **Maria J. Ribeiro** (Coimbra Institute for Biomedical Imaging and Translational Research (CIBIT), Institute of Nuclear Sciences Applied to Health (ICNAS), University of Coimbra, Portugal & Faculty of Medicine, University of Coimbra, Portugal)

P7.61 | Neural Encoding Of Syntactic Information During Speech Comprehension And Speech Production Planning

Jordi Martorell (Aix-Marseille Université; ILCB; LPL); **Daria Goriachun** (Aix-Marseille Université; ILCB; LPL); **Liina Pylkkänen** (New York University); **Kristof Strijkers** (Aix-Marseille Université; ILCB; LPL; CNRS)

P7.62 | Cognitive impairment in individuals with chronic spinal cord injury: a phonemic verbal fluency task-based functional magnetic resonance imaging (fMRI) study

Jothini Sritharan (Swiss Paraplegic Research, Nottwil, Switzerland); **Vanessa Vallesi** (Swiss Paraplegic Research, Nottwil, Switzerland); **Rajeev K. Verma** (Swiss Paraplegic Centre, Nottwil, Switzerland); **Lorenzo Diana** (Swiss Paraplegic Research, Nottwil, Switzerland); **Rahel Oertli** (Swiss Paraplegic Centre, Nottwil, Switzerland); **Valentina Moro** (Department of Human Sciences, University of Verona, Verona, Italy); **Inge Eriks-Hoogland** (Swiss Paraplegic Centre, Nottwil, Switzerland); **Anke Scheel-Sailer** (Berner Reha Zentrum, Inselgruppe, Heiligenschwendi, Switzerland); **Giuseppe A. Zito** (Swiss Paraplegic Research, Nottwil, Switzerland)

P7.63 | Rhythmic Fluctuations In Pupil Size Across The Breathing Cycle: Implications For Visual Perception

Martin Schaefer (Karolinska Institutet); **Sebastiaan Mathôt** (University of Groningen); **Ronald Van den Berg** (Stockholm University); **Reza Ebrahimian Baboukani** (Karolinska Institutet); **Mikael Lundqvist** (Karolinska Institutet; Massachusetts Institute of Technology); **Johan N. Lundström** (Karolinska Institutet; Monell Chemical Senses Center; Karolinska University Hospital); **Artin Arshamian** (Karolinska Institutet)

15:30 POSTER SESSION 7 P 7.1 - 7.68 main hall 1st floor

P7.64 | Bayesian Inference In Pain-related Processing

Natalia Egorova-Brumley (Melbourne School of Psychological Sciences, The University of Melbourne, Melbourne, Victoria, Australia); **Adrian Gonzales** (Melbourne School of Psychological Sciences, The University of Melbourne, Melbourne, Victoria, Australia); **Claire Lin** (Melbourne School of Psychological Sciences, The University of Melbourne, Melbourne, Victoria, Australia); **Caitlin Hitchcock** (Melbourne School of Psychological Sciences, The University of Melbourne, Melbourne, Victoria, Australia); **Marta I. Garrido** (Melbourne School of Psychological Sciences, The University of Melbourne, Melbourne, Victoria, Australia; Graeme Clark Institute for Biomedical Engineering, The University of Melbourne, Victoria, Australia)

P7.65 | Sequence Models Uncover Delayed Cognitive Operations During Dual-task Interference

Rick den Otter (Utrecht University); **Anna Dame** (Utrecht University); **Sjoerd Stuit** (Utrecht University); **Leendert van Maanen** (Utrecht University)

P7.66 | Neural Reorganization Of Monaural And Binaural Speech Processing In Single Sided Deafness Patients Supplied With A Cochlear Implant Compared To Normal-hearing Subjects

Sonja Rossi (Medical University of Innsbruck, ICONE - Innsbruck Cognitive Neuroscience, Department of Hearing, Speech, and Voice Disorders); **Josef Seebacher** (Medical University of Innsbruck, Department of Hearing, Speech, and Voice Disorders); **Annika Rackl** (Medical University of Innsbruck, ICONE - Innsbruck Cognitive Neuroscience, Department of Hearing, Speech, and Voice Disorders); **Isabella Thurner** (Medical University of Innsbruck, ICONE - Innsbruck Cognitive Neuroscience, Department of Hearing, Speech, and Voice Disorders); **Patrick Zorowka** (Medical University of Innsbruck, Department of Hearing, Speech, and Voice Disorders); **Simone Graf** (Medical University of Innsbruck, Department of Hearing, Speech, and Voice Disorders); **Anja Hahne** (University Clinic Dresden, Saxonian Cochlear Implant Center)

P7.67 | Feeling Matters: Changes In Eeg Microstates Are Associated With Expert Pilots' Subjective Fatigue

Yuyang Zhu (Air Force Medical Center, Beijing, China); **Yiwen Hu** (Air Force Medical Center, Beijing, China); **Xin Liu** (Air Force Medical Center, Beijing, China); **Duo Xie** (Air Force Medical Center, Beijing, China)

P7.68 | Maturation Of Auditory Pitch And Duration Perception In Children With Dld: Insights From A Longitudinal Study

Liis Themas (Institute of Estonian and General Linguistics; Institute of Psychology, University of Tartu, Estonia); **Gesa Schaadt** (Department of Education and Psychology, Freie Universität Berlin; Department of Neuropsychology, Max Planck Institute of Human Cognitive and Brain Sciences Leipzig, Germany); **Pärtel Lippus** (Institute of Estonian and General Linguistics, University of Tartu, Estonia); **Marika Padrik** (Institute of Educational Science, University of Tartu, Estonia); **Kairi Kreegipuu** (Institute of Psychology, University of Tartu, Estonia)

P8.01 | Cracking the “law of silence”: Immersive virtual reality to study decision-making during corruption attempts by organized crime members

Alisha Vabba (Center for Life Nano- & Neuroscience, Fondazione Istituto Italiano Di Tecnologia (IIT) and Sapienza University of Rome, Italy); **Matteo P. Lisi** (Center for Life Nano- & Neuroscience, Fondazione Istituto Italiano Di Tecnologia (IIT) and Sapienza University of Rome, Italy); **Salvatore M. Aglioti** (Center for Life Nano- & Neuroscience, Fondazione Istituto Italiano Di Tecnologia (IIT) and Sapienza University of Rome, Italy)

P8.02 | Neural Dynamics Of Recognition Memory In Autism: Erp Evidence For Differential Engagement Of Familiarity And Recollection

Ann-Kathrin Beck (University of Kaiserslautern-Landau (RPTU)); Cristiane Souza (Iscte - Instituto Universitário de Lisboa); **Margarida V. Garrido** (Iscte - Instituto Universitário de Lisboa); J. Bernardo Barahona-Correa (CADIn – Neurodesenvolvimento e Inclusão); **Joana C. Carmo** (Lusófona University, HEI-Lab: Digital Human-Environment Interaction Labs); **Daniela Czernochowski** (University of Kaiserslautern-Landau (RPTU)); **Thomas Lachmann** (University of Kaiserslautern-Landau (RPTU))

P8.03 | Exercise Effects On Bilateral Ventrolateral And Dorsolateral Cortical Activity During Motor Adaptation And Retention Of A Visuomotor Adaptation Task In Healthy Adults

Añón-Hidalgo, M. (Institut Nacional d'Educació Física de Catalunya (INEFC), Universitat de Barcelona (UB), Barcelona, Spain); **Bilbao-Figuerola, Ll.** (Institut Nacional d'Educació Física de Catalunya (INEFC), Universitat de Barcelona (UB), Barcelona, Spain); **Bešlija, F.** (ICFO-Institut de Ciències Fotòniques, The Barcelona Institute of Science and Technology, Castelldefels, Spain); **Ferrer-Uris, B.** (Institut Nacional d'Educació Física de Catalunya (INEFC), Universitat de Barcelona (UB), Barcelona, Spain); **Durduran, T.** (ICFO-Institut de Ciències Fotòniques, The Barcelona Institute of Science and Technology, Castelldefels, Spain); **Angulo-Barroso, R.** (Institut Nacional d'Educació Física de Catalunya (INEFC), Universitat de Lleida (UDL), Lleida, Spain); **Busquets, A.** (Institut Nacional d'Educació Física de Catalunya (INEFC), Universitat de Barcelona (UB), Barcelona, Spain)

P8.04 | Age-related Shifts In The Functional Lateralisation Of Attention And Memory

Charlotte Hunt (University of Manchester, UK); **Oliver Gray** (University of Manchester, UK); Daniela Montaldi (University of Manchester, UK)

P8.05 | Adaptive Evidence Accumulation Supports Parallel Encoding Of Competing Alternatives In Volatile Environments

Hadiseh Hajimohammadi (University College Dublin); **Kieran S Mohr** (University College Dublin); **Elisabet Parés-Pujolràs** (University College Dublin); **Simon P Kelly** (University College Dublin)

P8.06 | Pubertal Maturity Dependent Longitudinal Deviations In Brain- And Cognitive Development

Hanna Szakács* (HUN-REN-ELTE-PPCU Adolescent Development Research Group, Hungary; Division of Mental Health Sciences, Doctoral College of Semmelweis University in Medicine and Health Sciences, Hungary); **Gyöngyi Oláh*** (HUN-REN-ELTE-PPCU Adolescent Development Research Group, Hungary; Division of Mental Health Sciences, Doctoral College of Semmelweis University in Medicine and Health Sciences, Hungary); **Ferenc Gombos** (HUN-REN-ELTE-PPCU Adolescent Development Research Group, Hungary; Laboratory for Psychological Research, Pázmány Péter Catholic University, Hungary); **Morten L. Kringelbach** (Centre for Eudaimonia and Human Flourishing, Linacre College, University of Oxford, United Kingdom; Department of Psychiatry, University of Oxford, United Kingdom; Center for Music in the Brain, Department of Clinical Medicine, Aarhus University, Denmark); **Gustavo Deco** (Center for Brain and Cognition, Universitat Pompeu Fabra, Spain; Department of Information and Communication Technologies, Universitat Pompeu Fabra, Spain; Institució Catalana de la Recerca i Estudis Avançats (ICREA), Spain); **Ilona Kovács** (HUN-REN-ELTE-PPCU Adolescent Development Research Group, Hungary; Institute of Psychology, Faculty of Education and Psychology, Eötvös Loránd University, Hungary; Division of Mental Health Sciences, Doctoral College of Semmelweis University in Medicine and Health Sciences, Hungary).

*both authors contributed equally

P8.07 | Ecological Auditory Mapping In Ieeg Using Cortify: A Tablet-based Paradigm Delivery Platform

Hugo Quenon (INS - DCAP); **Benjamin Morillon** (INS - DCAP); **Thierry Legou** (CNRS); **Christelle Zielinski** (CNRS); **Manuel Mercier** (INS - DCAP)

P8.08 | Influence Of Retinal Luminance Patterns And Overt Attention On Pupil Dynamics

Jaspreet Dodd (Centre for Neuroscience Studies, Queen's University, Kingston, ON, Canada); **Jonathan Coutinho** (Centre for Neuroscience Studies, Queen's University, Kingston, ON, Canada); **Douglas Munoz** (Centre for Neuroscience Studies, Queen's University, Kingston, ON, Canada); **Gunnar Blohm** (Centre for Neuroscience Studies, Queen's University, Kingston, ON, Canada)

P8.09 | Demographically Adapted Head Models For Improved Eeg Source Localization Across The Lifespan

Jorge San-Segundo (Universidad Autónoma de Madrid); **Juan Jose Herrera** (Universidad Autónoma de Madrid); **Guiomar Niso** (Instituto Cajal - CSIC); **Oscar Esteban** (University of Lausanne); **Almudena Capilla** (Universidad Autónoma de Madrid)

P8.10 | Sensorimotor Beta Oscillations Support Rapid Consolidation Of Implicit Motor Sequences

Joshua Hendrikse (School of Psychological Sciences, Monash University, Australia); **Nermin Aljehany** (School of Psychological Sciences, Monash University, Australia); **Juliet Hosler** (School of Psychological Sciences, Monash University, Australia); **Emily Brooks** (School of Psychological Sciences, Monash University, Australia); **James P. Coxon** (School of Psychological Sciences, Monash University, Australia)

P8.11 | Neurocomputational Dynamics Underlying Multi-day Learning Impacts On Perceptual Decision-making

Joshua William Bolam (Trinity College Dublin); **Ciara Devine** (Trinity College Dublin; Dublin Business School); **Redmond O'Connell** (Trinity College Dublin)

P8.12 | Criterion Validation Of The Riga Cognitive Screening Task With Brain Structure And Electrophysiological Markers

Kristine Sneidere (Rīga Stradiņš University); **Agnese Usacka** (Rīga Stradiņš University); **Zigmunds Freibergs** (Rīga Stradiņš University); **Zane Anna Litauniece** (Riga East Clinical University Hospital); **Anita Gulbe** (Riga East Clinical University Hospital); **Nauris Zdanovskis** (Rīga Stradiņš University); **Alina Babjuka** (Rīga Stradiņš University); **Janis Lauskis** (Rīga Stradiņš University); **Marija Skrule** (Rīga Stradiņš University); **Kristine Martinsone** (Rīga Stradiņš University); **Ainars Stepens** (Rīga Stradiņš University)

P8.13 | Comparing Human And Machine Emotion Recognition In Mimicked And Suppressed Facial Expression Conditions

Liina Juuse (University of Tartu); **Kristian Pentus** (University of Tartu); **Kairi Kreegipuu** (University of Tartu); **Jüri Allik** (University of Tartu)

P8.15 | Age-related Behavioral Alterations Across Lifespan In Rat Model Of Autism Induced By Valproic Acid

Manana Dashniani (Ivane Beritashvili Center of Experimental Biomedicine); **Nino Chkhikvishvili** (Ivane Beritashvili Center of Experimental Biomedicine); **Mariam Chighladze** (Ivane Beritashvili Center of Experimental Biomedicine)

P8.16 | Boundary Integration In Narrative Dynamics: Tracking Neural And Behavioral Signatures Of Narrative Boundaries In Memory

Mar Domínguez-Orfila (Universitat de Barcelona); **Ruth de Diego Balaguer** (Universitat de Barcelona); **Lluís Fuentemilla** (Universitat de Barcelona)

P8.17 | The Seeing Emotion in the Eyes test (SEE): a psychometric evaluation for emotion recognition deficits in neurological and psychiatric populations

Maria Franca (Ph.D. Program in Neuroscience, School of Medicine and Surgery, University of Milano-Bicocca); **Nadia Bolognini** (Laboratory of Neuropsychology, Department of Neurorehabilitation Sciences, IRCCS Istituto Auxologico Italiano)

P8.18 | Temporal Dynamics Of Traveling Wave Direction In Response To Visual Stimulation

Martina Pasqualetti (Centre de Recherche Cerveau et Cognition (CerCo), CNRS, Université de Toulouse, Toulouse, France); **Andrea Alamia** (Centre de Recherche Cerveau et Cognition (CerCo), CNRS, Université de Toulouse, Toulouse, France); **Jakob Schwenk** (Centre de Recherche Cerveau et Cognition (CerCo), CNRS, Université de Toulouse, Toulouse, France)

P8.19 | Does Machine Generated Music Feel The Same? A Comparative Neuro-cognitive Exploration Of Ai Generated And Human-made Clips

Medha Basu (Jadavpur University); **Shankha Sanyal** (Jadavpur University); **Kumardeb Banerjee** (Jadavpur University); **Dipak Ghosh** (Jadavpur University)

P8.20 | Are Neural And Behavioural Measures Of Cognitive Control Associated With Adaptive And Maladaptive Risk-taking In Adolescence And Young Adulthood?

Montana Hunter (University of Leicester); **Patrick Skippen** (Hunter Medical Research Institute, Australia); **Sara Lo Tempio** (Colorado State University, USA); **Daniel Barker** (Hunter Medical Research Institute, Australia); **Patricia T. Michie** (University of Newcastle, Australia); **Frini Karayanidis** (University of Newcastle, Australia)

P8.21 | Als-gnn: A Graph Neural Framework For Simulating Neural Degeneration And Therapeutic Adaptation

Naga Mudda (Illinois Mathematics and Science Academy); **Sonit Sahoo** (Illinois Mathematics and Science Academy)

P8.22 | Frontostriatal Dysconnectivity In Adult Adhd

Tuija Tolonen (Aalto University); **Juha Salmi** (University of Oulu); **Kimmo Alho** (University of Helsinki); **Sami Leppämäki** (Terveystalo Healthcare); **Pekka Tani** (Helsinki University Hospital); **Anniina Koski** (Helsinki University Hospital); **Matti Laine** (Åbo Akademi University); **Timo Roine** (Aalto University)

P8.23 | The Neural Time-courses Of Food Attribute Representations

Violet Chae (University of Melbourne); **Tijl Grootswagers** (Western Sydney University); **Stefan Bode** (New York University Abu Dhabi); **Daniel Feuerriegel** (University of Melbourne)

10:45 POSTER SESSION 8 P 8.1 - 8.62 main hall 1st floor

P8.24 | Frontoparietal Mechanisms Of Intuitive Decision-making Revealed By Fnirs: Evidence From Localized Activation And Functional Connectivity

Xin Liu (Air Force Medical Center, Air Force Medical University); **Yuyang Zhu** (Air Force Medical Center, Air Force Medical University); **Yiwen Hu** (Air Force Medical Center, Air Force Medical University); **Duo Xie** (Air Force Medical Center, Air Force Medical University)

P8.25 | Investigating Individual Variability In Low Gamma Visual Entrainment Using Eeg

Hui Lo (National Taiwan University); **Philip Tseng** (National Taiwan University)

P8.26 | Multisensory Information Is Integrated In Behaviour But Not In Early Sensory Representations Of Audiovisual Stimuli

Zak Buhmann (University of Sydney); **Amanda K. Robinson** (University of Queensland); **Jason B. Mattingley** (Queensland Brain Institute); **Reuben Rideaux** (University of Sydney)

P8.27 | Assessing The Consequences Of Abstraction In One-shot Perceptual Learning

Carlos González-García (University of Granada)

P8.28 | Unconscious Processing Of Emotional Body Expressions: Evidence From Physiological Responses To Suppressed Body Stimuli

Cecilia Dapor (University of Trento); **Irene Sperandio** (University of Trento); **Federica Meconi** (University of Trento)

P8.29 | Expecting The Unexpected In An Uncertain World: Can Adults With Subclinical Anxiety And Autistic Traits Learn Efficiently Under Different Sources Of Uncertainty And In Different Environments?

Christina Dimitriadou (Department of Psychology, Royal Holloway, University of London, Egham TW20 0EX, United Kingdom); **Joseph Barnby** (Department of Psychology, Royal Holloway, University of London, Egham TW20 0EX, United Kingdom); **Nicholas Furl** (Department of Psychology, Royal Holloway, University of London, Egham TW20 0EX, United Kingdom)

P8.30 | Propagation Of The N400 To Subsequent Words After Lexical Anomalies Depends On The Syntactic Attachment Point

Clara Soberats (Center for Mind/Brain Sciences, Università di Trento, Italy); **Roberto Zamparelli** (Center for Mind/Brain Sciences, Università di Trento, Italy)

P8.31 | Audiovisual Multisensory Processing in Complex and Dynamic Contexts: A Behavioural Approach

Elizaveta Sycheva (Université de Montréal); **Léa St-Gelais** (Université de Montréal); **Shahab Bakhtiari** (Université de Montréal); **Franco Lepore** (Université de Montréal); **Vanessa Hadid** (McGill University)

P8.32 | Control Of Movement Vigor During Interpersonal Sensorimotor Coordination

Enrico Vescovo (Center for Translational Neurophysiology of Speech and Communication, Italian Institute of Technology, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy; Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy); **Federica Luzzi** (Center for Translational Neurophysiology of Speech and Communication, Italian Institute of Technology, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy; Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy); **Luciano Fadiga** (Center for Translational Neurophysiology of Speech and Communication, Italian Institute of Technology, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy; Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy); **Alessandro D'Ausilio** (Center for Translational Neurophysiology of Speech and Communication, Italian Institute of Technology, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy; Department of Neuroscience and Rehabilitation, University of Ferrara, Via Fossato di Mortara, 17-19, 44121 Ferrara, Italy)

10:45 POSTER SESSION 8 P 8.1 - 8.62 main hall 1st floor

P8.33 | Neural Encoding Of Articulatory Features In L2 Listening: Evidence For A Non-monotonic Relationship With Proficiency

Geroncio Oliveira (Unicam/Unife); **Alessandro Corsini** (Unife / IIT); **Alice Tomassini** (Unife / IIT); **Luciano Fadiga** (Unife / IIT); **Alessandro D'Ausilio** (Unife / IIT)

P8.34 | Cardiac Activity Is Associated With Changes In Microstates Of The Electroencephalogram

Lídia Carvalho (Universidade do Minho); **Márcia da-Silva** (Universidade do Minho); **Mariana Oliveira** (Universidade do Minho); **A. Ribeiro-Carreira** (Universidade do Minho); **Ana Rita Pereira** (Universidade do Minho); **Adriana Sampaio** (Universidade do Minho); **Joana Coutinho** (Universidade do Minho); **Alberto González-Villar** (Universidade do Minho)

P8.35 | Examining The Neural Networks Supporting Reading And Working Memory In Young Children

Ling Lynette Looi (Centre for Research and Development in Learning, Nanyang Technological University, Singapore); **Hsin-Yu Lin** (Centre for Research and Development in Learning, Nanyang Technological University, Singapore); **Chiao-Yi Wu** (Centre for Research and Development in Learning, Nanyang Technological University, Singapore); **Beth Ann O'Brien** (Centre for Research in Child Development, National Institute of Education, Nanyang Technological University, Singapore); **Darren Yeo** (Psychology, School of Social Sciences, College of Humanities Arts & Social Sciences, Nanyang Technological University, Singapore); **Shen-Hsing Annabel Chen** (Centre for Research and Development in Learning, Nanyang Technological University, Singapore)

P8.36 | Effects Of Depression On Metacognition Of Working Memory For Emotional Faces

Livia Valenti (Federal University of São Carlos); **Patrícia Waltz Schelini** (Federal University of São Carlos); **Cesar Galera** (Faculty of Philosophy, Sciences and Letters at Ribeirão Preto - University of São Paulo)

P8.38 | Longitudinal Evaluation Of The Electrophysiological Plus Sensory Profiles Of Young Children

Morgane Jacquet-Danilo (UMR 1253, iBrain, Université de Tours, INSERM, 37000, Tours, France); **Lisa Michel** (UMR 1253, iBrain, Université de Tours, INSERM, 37000, Tours, France); **Marianne Latinus** (UMR 1253, iBrain, Université de Tours, INSERM, 37000, Tours, France)

P8.39 | Experts or Peers? The Influence of Different Social Endorsers on Reducing Sugar Consumption

Nina Arzumanyan (National Research University Higher School of Economics); **Anna N. Shestakova** (National Research University Higher School of Economics); **Victoria Moiseeva** (National Research University Higher School of Economics); **Vasily Klucharev** (National Research University Higher School of Economics); **Ioannis Ntoumanis** (Cook Children's Health Care System)

P8.40 | When Fashion Meets (neuro)psychology: The Neurocognitive, Emotional And Behavioral Impact Of Message Framing In Sustainable Clothing Choices

Susana Capela (University of Minho - CIPSI, Portugal); **Mason Silveira** (University of Arts London - London College of Fashion, United Kingdom); **Carla Silva** (CITEVE - Technological Centre for Textile and Clothing of Portugal, Portugal); **Liliana Capitão** (University of Minho - CIPSI, Portugal)

P8.41 | The Rise And Fall Of Decision Making During Physical Exercise

Wim Notebaert (Ghent University); **Leslie Held** (Ghent University); **Marie Van de Walle** (Ghent University); **Ayala Denul** (Ghent University); **Alessandro Colosio** (Ghent University)

10:45 POSTER SESSION 8 P 8.1 - 8.62 main hall 1st floor

P8.42 | Dissociable Spatiotemporal Dynamics Of Object-based And Feature-based Internal Attention Revealed By Meg

Xiaoshu Lin (University of Jyväskylä); **Kristina Pultsina** (University of Jyväskylä); **Simo Monto** (University of Jyväskylä); **Chaoxiong Ye** (University of Jyväskylä); **Tiina Parviainen** (University of Jyväskylä)

P8.43 | Virtual Third Arm Embodiment: Prolonged Experience Affects Both Implicit And Explicit Incorporation Of Extra Limbs

Alessandro Ingenito (IMT School for Advanced Studies Lucca; School of Advanced Studies University of Camerino); **Daniel José Leal Pinheiro** (Ecole Polytechnique Fédérale de Lausanne); **Eva Ozturk** (Université Paris Cité ENSAM; Ecole Polytechnique Fédérale de Lausanne); **Viviana Betti** (University of Roma "La Sapienza"); **Tommaso Bertoni** (Ecole Polytechnique Fédérale de Lausanne); **Solaiman Shokur** (Ecole Polytechnique Fédérale de Lausanne); **Emiliano Ricciardi** (IMT School for Advanced Studies Lucca); **Silvestro Micera** (Scuola Superiore Sant'Anna Pisa; Ecole Polytechnique Fédérale de Lausanne)

P8.44 | How Does The Structure Of Our Social Connections Manifest In Interpersonal Interactions And Inter-brain Dynamics?

Aliaksandr Dabranau (Technical University of Denmark); **Sune Lehmann** (Technical University of Denmark); **Ivana Konvalinka** (Technical University of Denmark)

P8.45 | Driven or Deterred? Frontal Asymmetry and Executive Functions as Predictors of Approach-Avoidance Motivation Across Contexts

Angélica Mendes (University of Luxembourg); **David Tekampe** (University of Luxembourg); **Katarzyna Bobrowicz** (University of Luxembourg)

P8.46 | Exploring The Dynamics Between Response Time Variability, Temporal Accuracy In Rhythm Tapping, And Language Abilities

Anna Kautto (Department of Psychology and Speech-Language Pathology, University of Turku; Speech Language Pathology, Faculty of Arts, Psychology and Theology, Åbo Akademi University); **Mira Karrasch** (Department of Psychology, Åbo Akademi University); **Viveka Lyberg Åhlander** (Speech Language Pathology, Faculty of Arts, Psychology and Theology, Åbo Akademi University; Department of Clinical Sciences, Logopedics, Phoniatrics and Audiology, Lund University); **Annette Nylund** (Speech Language Pathology, Faculty of Arts, Psychology and Theology, Åbo Akademi University)

P8.47 | Co-varying Eye Movements And Power Modulations Of Alpha Oscillations During Working Memory

Arne D. Hansen (University of Zurich); **Dawid Strzelczyk** (University of Zurich); **Marius Tröndle** (University of Zurich); **Nicolas Langer** (University of Zurich); **Tzvetan Popov** (University of Zurich)

P8.48 | Caught Between Options: A Study Of P300 Modulation By Task Difficulty In Probabilistic Reward Learning

Carlotta Mathiske (University of Groningen); **Charlotte Dsouza** (University of Groningen); **Liset Harink** (University of Groningen); **Emma Van Leckwyck** (University of Groningen); **Dr. Mark Span** (University of Groningen); **Prof. Dr. Monique Lorist** (University of Groningen)

P8.49 | Cross-modal Emotional Transfer Between Naturalistic Music And Art Stimuli: Associations With Behavioural Traits And Audiovisual Features

Jack Craig (University of Birmingham); **Hyojin Park** (University of Birmingham)

P8.50 | Effects Of Synchrony On Behavioral And Neurophysiological Indices Of Pain Empathy

Jannik Heimann (Institute of Medical Psychology, Center of Brain, Behavior and Metabolism, University of Lübeck, Ratzeburger Allee 160, 23562 Lübeck, Germany); **Anat Perry** (Psychology Department, Hebrew University of Jerusalem, Mount Scopus, 91905 Jerusalem, Israel); **Ulrike M. Krämer** (Institute of Medical Psychology, Center of Brain, Behavior and Metabolism, University of Lübeck, Ratzeburger Allee 160, 23562 Lübeck, Germany)

P8.51 | Bimodal emotion recognition in action videogame players: Does gaming influence multisensory emotion integration?

Joana Dias (William James Center for Research (WJCR), Department of Education and Psychology, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal); **Samuel Silva** (Department of Electronics, Telecommunications and Informatics (DETI), University of Aveiro, Campus Universitário de Santiago, 3810-193, Aveiro, Portugal; Institute of Electronics and Telematics Engineering of Aveiro (IEETA), University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal); **Swann Pichon** (Geneva School of Health Sciences, HES-SO University of Applied Sciences and Arts Western Switzerland, Av. de Champel 47, 1206 Geneva, Switzerland); **Sandra C. Soares** (William James Center for Research (WJCR), Department of Education and Psychology, University of Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal)

P8.52 | Moment-by-moment Phenomenology Combined With Eeg And Performance May Provide Novel Insights Into The Experience Of Mild Cognitive Impairment

Julia Rathmann-Bloch (Consciousness and Cognition Lab, Department of Psychology, University of Cambridge, Cambridge, UK); **Esperanza Jubera-Garcia** (Consciousness and Cognition Lab, Department of Psychology, University of Cambridge, Cambridge, UK; Bitbrain, Zaragoza, Spain); **Carlos Escolano** (Bitbrain, Zaragoza, Spain); **Eduardo López-Larraz** (Bitbrain, Zaragoza, Spain); **Laura Pampliega** (Bitbrain, Zaragoza, Spain); **Francisca Rojas-Galinovic** (Bitbrain, Zaragoza, Spain); **Javier Minguez** (Bitbrain, Zaragoza, Spain); **Daniel Bor** (Consciousness and Cognition Lab, Department of Psychology, University of Cambridge, Cambridge, UK; Department of Psychology, School of Biological and Behavioural Sciences, Queen Mary University of London, London, UK); **Tristan Bekinschtein** (Consciousness and Cognition Lab, Department of Psychology, University of Cambridge, Cambridge, UK)

P8.53 | Effect Of Smartphone Use On Attentional and Pre-Attentional Information Processing

Kairi Kreegipuu (University of Tartu); **Nele Põldver** (University of Tartu); **Jakob Saare** (University of Tartu); **Lisett Pavelson** (University of Tartu)

P8.54 | The Effects Of Hippocampal Estradiol Receptors On Learning And Memory Processes

Lamara Machavariani (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Marina Butskhrikidze** (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Militsa Svanidze** (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Mariam Siradze** (Beritashvili Center of Experimental Biomedicine, Tbilisi, Georgia); **Nato Bukia** (Beritashvili Center of Experimental Biomedicine, Caucasus International University, Tbilisi, Georgia)

P8.56 | Event-related Potentials (ERP) Study Of Associative Learning In Children And Adolescents

Mikhail Ye. Mel'nikov (Al-Farabi Kazakh National University, Brain Institute); **Altyngul T. Kamzanova** (Al-Farabi Kazakh National University, Brain Institute); **Manzura K. Zholdassova** (Al-Farabi Kazakh National University, Brain Institute); **Gaukhar K. Datkhabayeva** (Al-Farabi Kazakh National University, Brain Institute); **Daniyar Abdil'manov** (Al-Farabi Kazakh National University, Brain Institute); **Almira M. Kustubayeva** (Al-Farabi Kazakh National University, Brain Institute)

P8.57 | Exposure To High Level Of Testosterone During Fetal Development Impaired Social Behavior By Interrupting Neurexin And Neuroligin Binding

Nan Yagishita-Kyo (Department of Pharmacology, Faculty of Medicine, Saitama Medical University); **Sosuke Yagishita** (National Institute of Technology, Kisarazu College)

P8.58 | Differential Engagement Of The Multiple Demand Network During Semantic Processing Of Words And Numerals

Ngieng Shih Yang (Nanyang Technological University); **Shermine Lau** (Nanyang Technological University); **Darren Yeo** (Nanyang Technological University)

P8.59 | Domain-general Effects Of Musical Expertise On Cortical Entrainment To Naturalistic Music And Speech: A Meg Investigation On Professional Musicians

Noemi Bonfiglio (Basque Center on Cognition, Brain and Language); **Mikel Lizarazu** (Basque Center on Cognition, Brain and Language); **Jiaqi Mao** (Basque Center on Cognition, Brain and Language); **Anastasia Klimovich-Gray** (University of Aberdeen); **Nicola Molinaro** (Basque Center on Cognition, Brain and Language)

P8.60 | Effect Of Dual-task Exercise On Cognitive And Physical Function In The Elderly With Mild Cognitive Impairment: A Randomized Controlled Pilot Study

Se Hee Jung (Department of Rehabilitation Medicine, Seoul National University College of Medicine, Seoul, South Korea)

P8.61 | External And Internal Cue-target Overlaps Influence Memory Exclusion Task Performance But Not Selective Retrieval

Xinyue Zhang (School of Psychology, University of Sussex, UK); **Arianna Moccia** (Department of Psychology, University of York, UK); **Alexa M. Morcom** (School of Psychology, University of Sussex, UK)

P8.62 | An EEG Frequency Tagging Approach To Measure Automatic Phonetic Categorizations

Martina Battista (IMT School for Advanced Studies Lucca); **Francesca Collesei** (IMT School for Advanced Studies Lucca); **Martina Berto** (IMT School for Advanced Studies Lucca); **Linda Polka** (School of Communication Sciences and Disorders, McGill University); **Marta Fantoni** (IMT School for Advanced Studies Lucca; Burlo Garofolo Hospital); **Davide Bottari** (IMT School for Advanced Studies Lucca)



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