

# MBB Symposium 2024

## Posters

### Poster Session A

Poster Number	Presenters	Abstract Title
A01	Antonin Fourcade & Francesca Malandrone	Real-time continuous rating of affective experience in immersive Virtual Reality
A02	Martina Saltafossi	Respiratory rhythm and multisensory perception
A03	Sara Wesolek	Somatosensory evoked BOLD signals with ultra-high temporal resolution
A04	Jona Förster	Tactile vs. electrical stimulation in a conscious somatosensory threshold detection task
A05	Alice Oppermann	Motivation and Recovery: An Analysis of Reward Sensitivity and Motor Learning after ischemic stroke
A06	Gianluigi Giannini	The influence of expectation in Sensory Attenuation
A07	Marlon Esmeyer	Effector-specific neural representations of perceptual choices across different sensory domains
A08	Ioanna Amaya	Thalamocortical connectivity underlying flicker light-induced visual hallucinations
A09	Beatrix Keweloh	Weight Loss Impacts Risky Decisions in Obesity
A10	Alina Studenova	Project proposal: MEEG characteristics correlate with cortical cytoarchitecture
A11	Paul Steinfath	Resting-state heartbeat-evoked potential as a trait marker in anxiety
A12	Lena Lange	Tactile detection & localisation in the grey zone of perception
A13	Chia-Ying Weng	The effects of the whole-body high-intensity isometric resistance training on BDNF, IGF-1, and quality of life in the community-dwelling adults
A14	Autumn Chall	Awe and Positive Affect: The Role of Self-Transcendence and Self-Focused Attention
A15	Kinga Mazurek	Unveiling the Dynamics of Inattentive Blindness: Attention Processes during Magic Tricks with Edited Video Stimuli
A16	Mustafa Yavuz	Social vigilance during perception

<b>A17</b>	Laura Marie Schmidt	Post-COVID Syndrome and the Frontal Brain: A Temporal Dynamics Perspective
<b>A18</b>	Hannah McDermott	Expectation effects on neural sharpening and dampening during statistical learning
<b>A19</b>	Sein Jeung	BIDS-Motion : Brain Imaging Data Structure for Reproducible Motion Research in Neuroscience
<b>A20</b>	Aureen DSouza & Aureen Dsouza & Ignacio Rebollo	Bodily sensations and emotional fingerprints
<b>A21</b>	Felix Klotzsche	Assessing and Comparing Eye Tracking Performance in Virtual-Reality Headsets: A Test Battery
<b>A22</b>	Marta Gerosa & Aishvarya Aravindan Rajagopal	Methodological Flexibility in the Heartbeat Counting Task: a Pre-Registered Meta-Methods Project

## Poster Session B

Poster Number	Presenters	Abstract Title
<b>B01</b>	Marie Loescher	Cardiac influences on multisensory integration : does self-relevance matter?
<b>B02</b>	Angeliki Charalampaki	The role of tactile information on metacognitive representations of agency
<b>B03</b>	Víctor Fernández Asunción	Complexity Electroencephalographic markers for cognitive decline detection
<b>B04</b>	Kevin Balßuweit	Machine Learning of Cognitive Trajectories in Parkinson's Disease: Predicting STN-DBS Impact with Neuroimaging and Clinical Data
<b>B05</b>	Marina Baroni	"Psycho-plasticity": the link between psychological dimensions and visual plasticity
<b>B06</b>	Stefania Cionca	Dressing the Mind: Shapewear Influences Mind-Body Connection, Altering Body Awareness and Dietary Preferences
<b>B07</b>	Dirk Gütlin	Neuromimetic Predictive Coding: Building Biologically Valid Models with Recurrent Neural Networks
<b>B08</b>	Damla Çifçi	How Artistic Expertise Shapes Individual Differences in Low-level Sensory Working Memory
<b>B09</b>	Withdrawn	
<b>B10</b>	Verena Viktoria Auerswald	Influence of the hypocretineric System on the functioning of the human reward system – a comparative study at behavioral and neuronal level in people with and without hypocretin deficiency
<b>B11</b>	Marta Chrustowicz	The Influence of Loneliness on the Neurocognitive Aspects of Cognitive Reappraisal in Young Adults
<b>B12</b>	Diana-Eliza Gherman	Exploring the Boundaries of Passive Brain-Computer Interfaces: Mobility, Virtual Reality, and Multimodality
<b>B13</b>	Mirna Hajric	Intrinsic causal network dynamics of emotion regulation capacity and tendency
<b>B14</b>	Tilman Stephani	Excitability modulations of somatosensory perception do not depend on feedforward neuronal population spikes
<b>B15</b>	Jannis Friedrich	Joining Grounded Cognition and Predictive Processing under Structuralism
<b>B16</b>	Zsuzsanna Nemez	Resolving memory interference between non-meaningful stimuli depends on the parahippocampal and perirhinal cortex, not the hippocampus

<b>B17</b>	Aleksandra Piejka & Szymon Mąka	Loneliness is associated with decreased propensity for altruistic behavior but only for distant others
<b>B18</b>	Eleni Panagoulas	Functional connectivity of pain causing lesions differs from non-pain causing lesions in somatosensory stroke
<b>B19</b>	Daniel Janko & Carlotta Isabella Zona	Exploring the behavioral correlates of hexagonal-grid representations of conceptual spaces
<b>B20</b>	Anindita Bhattacharjee	Neuroimaging-based Drug Repurposing for Clearance of Amyloid-beta in Alzheimer's Disease
<b>B21</b>	Simon Hofmann	Sampling from the cognitive face space under 3D viewing conditions
<b>B22</b>	Asli Akdeniz	Effects of Prior Stimulation on Tactile Evoked Epidural Field Potentials in Rat S1 Cortex
<b>B23</b>	Jellina Prinsen	Progesterone-induced changes in heart rate across the menstrual cycle and its effect on cardiac interoception – rationale and study design
<b>B24</b>	Agata Patyczek & Elias Reinwarth	Mapping the Brain's Stress Response: Changes in Functional Cortical Gradients

## Poster Session C

Poster Number	Presenters	Abstract Title
C01	Lorena Cecilia & Margarita Sison	Machine Learning Models Identify Trajectories into Depression for Argentinean College Students during Periods of COVID-19 Quarantine: A longitudinal survey study
C02	Qiaoyue Ren	Listen to your heart: Attentional trade-off between cardiac and visual domains
C03	Corinna Kühnapfel	Art as Intervention On the Effects of a Street-level Gallery Exhibition on Neighbourhood Connectedness, Satisfaction and Psychological Wellbeing
C04	Alexander J. Hess	Causality in the Allostatic Self-Efficacy Theory of Fatigue and Depression
C05	Dina von Werder	Perceptual and behavioral response to increased CO2 inhalation in patients with post-COVID
C06	Wen Wen	Control over self and others' face: Exploitation and exploration
C07	Cecilia Roselli	How intentionality of actions affects individual and vicarious Sense of Agency towards humanoid robots
C08	Daniel Kluger	Respiration-locked excitability changes in health and disease
C09	Lina Skora	Pupillary markers of noradrenergic activity under brief and long pulses of transcutaneous auricular Vagus Nerve Stimulation.
C10	Lioba Enk	The effect of cardiac phase on distractor suppression and motor inhibition in a stop-signal task
C11	Ulrich Stoof	Integration of multi-modal datasets to relate clinical symptomatology to (neuro)biological foundations in neurological disorders: A case study for intracranial EEG and neuroreceptor densities
C12	Katharina Kühne	No Evidence of the Red-Attraction Effect in Human-Robot interaction
C13	Emine Hilal Cam	The power of motivation: Motivational mindsets facilitate early but not late inhibition towards unhealthy food
C14	Gina-Isabelle Henze	Testing the Triple Network Hypothesis in a Largescale Biopsychological Sample: Neural Responses to Psychosocial Stress
C15	Tahnée Engelen	In search of interoceptive profiles: do the heart, lungs, and stomach influence the motor cortex the same way?
C16	Einav Gozansky	Assessment of Pain Sensitivity in Healthy Females Using Multimodal Approach
C17	Elias Mansour	Continuous Monitoring of Psychosocial Stress by Non-Invasive Volatilomics
C18	Moritz Gerster	Levodopa-induced spectral modulation of STN-LFPs in Parkinson's disease patients - a multi-center comparison
C19	Franziska Wagner	Stroke survivors exhibit initial decreased reward sensitivity, potentially guiding rehabilitation

<b>C20</b>	David Haslacher	Frontal delta oscillations mediate heartbeat perception
<b>C21</b>	Magdalena Gippert	Motor Imagery influences performance beyond the imagined action: Imagery of prior movements enhances motor adaptation
<b>C22</b>	Ana Böke	Can illusory percepts be affected by sensory interhemispheric inhibition? A somatosensory EEG study based on the cutaneous rabbit effect
<b>C23</b>	Rosa Großmann	Investigating Recurrent Processing in Visual Conscious Perception - Methodological Considerations
<b>C24</b>	Maria Azanova	Heart rate scales with prediction error

## Poster Session D

Poster Number	Presenters	Poster Title
D01	Simon M. Hofmann	scilaunch your research project
D02	Paula Guiomar Alarcón de Antón	Study on metacognition of affective states
D03	Piotr Bekier	Why cognitive science should take over the topic of social facilitation? - transition from behavioral to cognitive perspective
D04	Fabian Kiepe	Sensory attenuation of self-initiated tactile feedback is modulated by stimulus strength and temporal delay in a virtual reality environment
D05	Shira Baror	Neural mechanisms determining the duration of task-free, self-paced visual perception
D06	Wiebke Nörenberg	Motion masking at saccadic speed is largely invariant to motion amplitude
D07	Melis İnce	Object correspondence across movements at saccadic speed
D08	Lara Puhmann	Investigating resilience dynamics in the longitudinal resilience assessment (LORA) study
D09	Hannah Am Ende	Mismatch learning in virtual reality (VR) technology in older adults – a pilot-study
D10	Anastasia Malyshevskaya	Where is Monday? Continuous mouse tracking study reveals horizontal space-time association
D11	Jairo Perez-Osorio	High-order cognitive mechanisms modulate the deployment of gaze-guided attention in collaborative scenarios with artificial agents
D12	Jens Madsen	Bidirectional brain-body interactions during natural story listening
D13	Shivendra Singh	Is Consciousness Local or Global? Searching for Old Answers in a Newer Context
D14	Luianta Verra	Dissociating perceptual and value-based generalisation in anxiety and intolerance of uncertainty
D15	Deniz Yilmaz	The Effects of Physical Exercise on Interoceptive Abilities of Patients with Schizophrenia
D16	Emma Bailey	Task-evoked high frequency oscillations in cortex and spinal cord
D17	Alexandros Kastriogiannis	Increasing eyewitness identification accuracy in lineups using 3D interactive virtual reality (3DIL)
D18	Serap Özlü	Neural Correlates of Anosognosia in Neurocognitive Disorders

<b>D19</b>	Volker Reisner & Leonard König	Re-enactment of encoding-related body movements supports idiothetic path estimation
<b>D20</b>	Withdrawn	
<b>D21</b>	Ondrej Zika	Contextual inference under uncertainty in anxiety
<b>D22</b>	Eva-Madeleine Schmidt	AI-Mediated Communication, Empathy, Prosocial behavior, Facial expressions, Emotions, Responsible AI



## Poster Session V

Poster Number	Presenters	Poster Title
V01	Pınar Demir	Comparison of Affordance and Spatial Compatibility Effects in Human and Object Interactions
V02	Angelika Bracher	The parental brain in action: an emotional facial expressions task
V03	Nurfaizatul Aisyah Ab Aziz	Profiling functional connectivity of cortical network from theta brainwave synchronization in response to passive listening of three different Arabic rhythms
V04	Harald Murck	Somatic symptoms of depression overlap with symptoms of normal pressure hydrocephalus - (NPH) effect of inhibition of 11beta HSD2 with glycyrrhizin
V05	Mazira Mohamad Ghazali	Unravelling the Relationship between Knee Osteoarthritis Pain and Cognitive Function
V06	Gayatri Nerpagar	Navarasa (nine emotions in Indian school of aesthetics) Perception Through Core Body Movements
V07	Mohammad Rostami & Nasim Haghi	The effect of intelligent Tumor Treating Fields on reducing the size of glioblastoma brain tumor
V08	Soner Yucetepe	Exploring the Temporal Dynamics of Judgment of Learning Using Categorical Choices
V09	Vijaykumar Nandvadekar	Mind In Ayurveda
V10	Farida Zeynalli	The Fair and the Furious: The Role of the Moral Justifications of Emotions in Resource Distribution Context
V11	Maria Lojowska	Threat-induced prosocial behavior: Enhanced exogenous attention to protect others from harm
V12	Siti Atiyah Ali	Exploring a Bibliometric Analysis of Neuroimaging researches in Dementia: Alzheimer's Disease and Frontotemporal Dementia
V13	Jyotirmaya Satpathy & Ankasha Arif	Operational Research Foundations in Ophthalmic - Based Decisions
V14	Gaia Lapomarda	The bodily-emotional experience of time: temporal interval perception is modulated by anxiety
V15	Jessica Hazelton	Altered spatiotemporal dynamics of interoception in neurodegenerative diseases
V16	Nima Norbu Sherpa	Effects of oral creatine monohydrate augmentation to cognitive-behavioural therapy in depression: an 8-week pilot, double-blind, randomised, placebo-controlled trial