

Monday, October 5th

Poster Session A · 12:00 – 14:00 (standing lunch from 12:00 until 13:00) · 27 posters

*Reserved for symposium-linked posters (allocated once confirmed): symposia ID24, ID134, ID25 — up to 13 additional posters. · * = poster accompanying a talk given by the same presenter on this day.*

A · Mechanisms, predictors and learning success in neurofeedback

A.01	ID138	Katherine L. McCurry (Univ. Michigan, Ann Arbor, USA)	Association of Nucleus Accumbens Neurofeedback Performance with Reward-Related Constructs in Young Adults
A.02	ID41	Valeria Finelli (Univ. Lille, France)	Behavioural and Neural Predictors of Learning Success in MVPA-Based Real-Time fMRI Neurofeedback: A Proof-of-Concept Study
A.03	ID81	Tali Bitan (University of Haifa, Israel)	Spatial Specificity in fNIRS-Based Neurofeedback: An Investigation of dlPFC Regulation and Non-target Brain Activity
A.04	ID90	Benjamin Swinchoski (Yale School of Medicine, USA)	Relating Psychological and Clinical Scales to Network Separation during Mindfulness-Based Neurofeedback in Borderline Personality Disorder

B · Multivariate decoding, AI-driven and next-generation feedback signals

A.06*	ID89	Jihun Kim (Korea University, Seoul, South Korea)	Whole-Brain Breath-State real-time fMRI Neurofeedback Links Decoder-Guided Regulation to Salience-Network
A.07	ID111	Anneke Goblirsch (Maastricht University, the Netherlands)	Navigating Emotional Space: A Pilot 7T real-time fMRI Study using Semantic Neurofeedback for Emotion Regulation
A.08*	ID68	Hugo Six (ATR Institute International, Kyoto, Japan)	Value-guided abstraction maps arbitration in a dynamic environment
A.09	ID103	Nirmitee Nitin Mulay (Basque Center on Cognition, Brain and Language, San Sebastián, Spain)	Unconscious modulation of emotional valence using decoded neurofeedback (DecNef)

C · Signal quality, real-time methods and tooling

A.11	ID102	Avihay Cohen (Weizmann Institute of Science, Rehovot, Israel)	Unsupervised Detection of Epileptiform Activity for Real-Time Closed-Loop Neurofeedback in Epilepsy
A.12	ID77	Cóngyū Lin (Paris Brain Institute — ICM, France)	Real-Time Estimation of Instantaneous Phase Synchrony: Tracking Global Coherence Brain Patterns and Physiological Arousal
A.13	ID59	Inès Tahir (CEA-Leti, Univ. Grenoble Alpes, France)	Bimodal EEG-fNIRS monitoring of emotional reactivity and regulation: a preliminary study
A.14	ID46	Vinai Roopchansingh (NIMH / NIH, Bethesda, USA)	Multi-vendor MRI Scanner State Monitoring and Experiment Orchestration
A.15	ID144	Yingqi Huang (University of Geneva, Switzerland)	Rescuing Semi-Dry EEG Signals: Comparing Denoising Methods

D · Psychiatric, affective and clinical applications

A.16	ID19	Miroslava Hofmanová (Central Institute of Mental Health Mannheim, Germany)	Brain self-regulation, but no clinical benefit in addition to psychotherapy: Results from a randomized-controlled trial with fMRI-neurofeedback in Borderline-Personality Disorder
A.17*	ID71	Brendan Brady (Univ. of Ottawa Institute of Mental Health Research, Canada)	Amygdala versus Posterior Cingulate Cortex rt-fMRI Neurofeedback for PTSD: Interim Therapeutic and Mechanistic Findings from a Multi-Session RCT
A.18*	ID126	Talia Brandman (GrayMatters Health, Haifa, Israel)	EEG-fMRI patterns of amygdala and ventral striatal activity as dynamic biomarkers of affective brain systems
A.19	ID141	Michal Persico (Sagol Brain Institute, Tel Aviv, Israel)	Harnessing and understanding the psychedelic-induced enhanced neuroplasticity window for Neurofeedback augmentation
A.20	ID55	Maïte van der Miesen (Maastricht University, the Netherlands)	fMRI neurofeedback for pain: a proof-of-concept study
A.21	ID142	Kymberly Young (University of Pittsburgh School of Medicine, USA)	Restorative Neurophysiology: Feasibility of “backup and restore” technologies for brains and bodies
A.22	ID87	Jitendra Awasthi (Yale University, New Haven, USA)	Mindfulness-based Neurofeedback to augment DBT for Borderline Personality Disorder
A.23	ID79	Sarah Paprotna (Yale University, New Haven, USA)	Neurofeedback to reduce anhedonia and improve outcomes in opioid use disorder: a feasibility study

E · Neurorehabilitation, stroke and BCI

A.24	ID73	Meagan Hannemann (Maastricht University, the Netherlands)	From Biomarkers to Neuromodulation: Integrating Longitudinal MRI and Real-Time fMRI Neurofeedback in Parkinson's Disease
A.25	ID36	Valeria Tedeschi / Martina Coscia (HEPIA, Geneva, Switzerland)	HAMBI: Hybrid Adaptive Muscle-Brain computer Interface

F · Cognition, perception and memory

A.26*	ID122	Lucas Peek (University of Geneva, Switzerland)	Trial-by-trial fMRI-neurofeedback dissociates fusiform and occipital contributions to face detection and recognition
A.27	ID72	Nicole Sneddon (University of Glasgow, UK)	A BOLD approach to mitigating cybersickness: anterior insula rt-fMRI-NF to promote resistance to cybersickness
A.28	ID91	Xiaofu He (Columbia University, New York, USA)	Real-Time fMRI Neurofeedback Targeting Hippocampal–Cortical Connectivity to Enhance Memory Consolidation
A.29	ID147	Jasper Bischofberger (University of Tübingen, Germany)	Real-Time fMRI of Midbrain Dopaminergic Activity During Effort-Based Decision-Making

Tuesday, October 6th

Poster Session B · 12:00 – 14:00 (standing lunch from 12:00 until 13:00) · 30 posters

*Reserved for symposium-linked posters (allocated once confirmed): symposia ID80, ID22, ID130 — up to 10 additional posters. · * = poster accompanying a talk given by the same presenter on this day.*

A · Mechanisms, predictors and learning success in neurofeedback

B.01	ID52	Marianna Georgiou (Uniklinik RWTH Aachen, Germany)	Targeting emotion regulation with fNIRS neurofeedback training - a feasibility study in healthy participants
B.02	ID99	Camille Muller (CerCo, Univ. Toulouse / Empenn, Rennes, France)	Feasibility and effects of a multimodal EEG-fNIRS neurofeedback platform for motor imagery
B.03	ID120	Florian Wüthrich (University Hospital of Old Age Psychiatry, Bern, Switzerland)	Resting-state fMRI changes induced by real-time fMRI neurofeedback
B.04	ID42	Changxiao Kuai (University of Groningen, the Netherlands)	Electrophysiological Fingerprints of Good Executive Function Across Multiple Tasks Identified Using Interpretable Machine Learning

B · Multivariate decoding, AI-driven and next-generation feedback signals

B.06	ID135	Nitzan Lubianiker (Yale Univ. / Princeton Univ., USA)	Reduction of Negative Attentional Bias in Depression with Decoding-based fMRI-Neurofeedback
B.07	ID106	Xuelei Wang (RWTH Aachen University, Germany)	Searchlight optimization using representational similarity analysis for subject-level voxel selection in emotional state decoding
B.08	ID96	Jaroslav Krc (Masaryk University Brno, Czech Republic / University of Groningen)	Within- and Cross-Session Single-Trial Decoding of Working-Memory Updating
B.10	ID70	Saampras Ganesan (Laureate Institute for Brain Research, Tulsa, Oklahoma, USA)	EEG-to-fMRI Translation: Methodological Foundations for Scalable Multi-Modal Real-Time Neurofeedback

C · Signal quality, real-time methods and tooling

B.11*	ID94	Stephen M. LaConte (Virginia Tech, Roanoke, USA)	Tasks as controllers: Engineering real-time fMRI to validate Resting State Network Dynamics
B.12	ID113	Gracia Khoury (Univ. Rennes / Empenn, France)	Initial Study Characterization of Residual Noise on a Phantom in Simultaneous EEG-fMRI Using Carbon Wire Loops
B.13*	ID133	Kathrin Kostorz (University of Vienna, Austria)	The speed limit of dynamic and real-time synchrony imaging in fNIRS
B.14	ID97	Irtisha Chakraborty (Basque Center on Cognition, Brain and Language, San Sebastián, Spain)	Development of an EEG-neurofeedback to boost Interhemispheric Connectivity during Phonological processing: Validation in a Pediatric Population
B.15	ID60	Bruno Neuner (Charité–Universitätsmedizin Berlin, Germany)	Microstate quantifiers under total intravenous (TIVA) versus inhalational anaesthesia: an observational study in 48 patients undergoing major surgery
B.16	ID145	Camille Marchal (CIBM / University of Geneva, Switzerland)	Impact of automated EEG denoising on dementia classification performance

D · Psychiatric, affective and clinical applications

B.17	ID86	Sarah Paprotna (Yale University, New Haven, USA)	Supplementary motor area regulation training using fMRI neurofeedback for Tourette Syndrome
B.18	ID100	Yulia Lerner (Tel Aviv Sourasky Medical Center / Sagol Brain Institute, Israel)	Real-World Clinical Outcomes of Limbic Self-Neuromodulation for Symptom Relief in Anxiety Disorders
B.19*	ID30	Eleonora De Filippi (Univ. Strasbourg, France / Parc Taulí, Sabadell, Spain)	Restoring emotional stability through Neurofeedback and AI for transformative Empowerment
B.20	ID114	Mathilde Rodrigues Da Rocha (INSERM U955 / NeuroSpin, Créteil, France)	Pre-unblinding assessment of feasibility, data quality, and neural modulation in an ongoing RT-fMRI neurofeedback trial for bipolar disorder: interim findings from NEUROFEED-BD
B.21	ID128	Camellia N. Ibrahim (RWTH Aachen University, Germany)	A novel virtual environment rt-fMRI neurofeedback paradigm
B.23	ID38	Johanne Lundager Axelsen (University of Southern Denmark, Odense, Denmark)	Neural networks involved in painful diabetic neuropathy: A systematic review
B.24	ID44	Arne Edvardsson (Primary Health Care Region Västra Götaland, Borås, Sweden)	Designing a Sham-Controlled Study of Infra-Slow Neurofeedback: Learning Trajectories, Sleep Outcomes, and Neurophysiological Change
B.25	ID85	Toshinori Chiba (ATR Institute International, Kyoto, Japan)	What Should Neurofeedback Control in Psychiatry? A Low-Dimensional Brain-State Framework for State-Dependent Intervention
B.26	ID146	Federico Mengozzi (EPFL, Geneva, Switzerland)	Dynamic brain network states during fMRI neurofeedback in chronic tinnitus: insights from a multi-seed co-activation pattern (CAP) analysis

E · Neurorehabilitation, stroke and BCI

B.27*	ID101	Yingying Huang (University of Glasgow, UK)	Comparing Real-Time fMRI Connectivity Neurofeedback of M1–Thalamus and M1–SMA Pathways during Motor Imagery
B.28*	ID131	Vincent Auboiroux (CEA Leti Clinatex, Univ. Grenoble Alpes, France)	Real-time OPM-MEG motor control of stroke patients before BCI implantation
B.29	ID112	Yi-Xing Liu (Singapore-ETH Centre, Singapore)	EEG-based Biomarkers of Fear of Falling in Immersive VR Environments among Older Adults

F · Cognition, perception and memory

B.30	ID83	Tomer Yaari (Weizmann Institute of Science, Rehovot, Israel)	Can an Unconscious Behavior Be Modified During Sleep? Evidence from Closed-Loop Olfactory Biofeedback
B.31	ID50	Taiki Oka (University of Tübingen, Germany)	Assessing the impact of endogenous BOLD fluctuations in the locus coeruleus on decision-making and metacognition
B.32	ID95	Maëva Moyne (University of Geneva, Switzerland)	Alpha-based neurofeedback to enhance visuospatial attention: protocol, feasibility, and preliminary findings
B.33	ID45	Maya Yilmaz (University of Bern, Switzerland)	Exploring the Role of the Prefrontal Cortex in Intentional Forgetting: A Combined HD-tDCS and 7T fMRI Study

Wednesday, October 7th

Poster Session C · 12:10 – 14:10 (standing lunch from 12:10 until 13:00) · 29 posters

*Reserved for symposium-linked posters (allocated once confirmed): symposia ID23, ID110, ID143 — up to 10 additional posters. · * = poster accompanying a talk given by the same presenter on this day.*

A · Mechanisms, predictors and learning success in neurofeedback

C.01*	ID136	Nitzan Lubianiker (Yale Univ. / Princeton Univ., USA)	A vagal pathway from fMRI Neurofeedback-induced reward activity to peripheral immunity
C.03	ID82	Meghan Martz (University of Michigan, Ann Arbor, USA)	Luteal phase is associated with blunted nucleus accumbens activity during real-time fMRI neurofeedback in adolescents and young adults
C.04*	ID56	Maria Pfeiffer (Univ. Würzburg, Germany)	Downregulation of Frontal Midline Theta with Neurofeedback – easier said than done?
C.05	ID78	Theo F. Marins (Univ. Graz, Austria)	Rethinking the endpoints for non-invasive neuromodulation interventions: from behavioural proxies to biomarkers of adaptive plasticity
C.06*	ID53	Masaya Misaki (Laureate Institute for Brain Research, Tulsa, Oklahoma, USA)	EEG Biomarkers of Antidepressant Response to Real-Time fMRI Neurofeedback

B · Multivariate decoding, AI-driven and next-generation feedback signals

C.07	ID105	Xuelei Wang (RWTH Aachen University, Germany)	Representational similarity-based real-time fMRI neurofeedback for emotional state regulation: from semantic maps to digital avatars
C.08	ID40	Valeria Finelli (Univ. Lille, France)	MVPA-based fMRI Neurofeedback For Modulating Auditory Verbal Imagery: A Pilot Study In Healthy Volunteers
C.09	ID58	Murat Can Mutlu (RWTH Aachen University, Germany)	Toward Portable Neurofeedback of Subcortical Targets: Proof-of-Principle of Inferring fMRI Activity from Simultaneous fNIRS Recordings
C.10	ID67	Hugo Six (ATR Institute International, Kyoto, Japan)	The DecNef toolbox: An enhanced toolkit for fMRI-based decoded neurofeedback

C · Signal quality, real-time methods and tooling

C.12*	ID76	Asli Eroglu (Max Planck Institute for Biological Cybernetics, Tübingen, Germany)	Toward closed-loop laminar fMRI: A real-time framework at 9.4T and single-block reliability of layer-resolved signals
C.13	ID92	Javier Gonzalez-Castillo (NIMH, Bethesda, USA)	rtcog: Real-Time fMRI Monitoring of Brain Activity and Cognitive Processes
C.14	ID123	Payam S. Shabestari (University Hospital Zurich / ETH Zurich, Switzerland)	MNE-RT: A Unified Python Framework for Real-Time M/EEG Signal Processing
C.15	ID61	Julie Fournier (Univ. Rennes / Empenn, France)	Are eye tracking and skin conductance signals related to performance during cognitive tasks?

D · Psychiatric, affective and clinical applications

C.16	ID127	Talia Brandman (GrayMatters Health, Haifa, Israel)	Scalable fMRI-Informed EEG Neurofeedback for Anhedonic Depression: Associations with Reward-Circuit Function
C.17	ID65	Iara de Almeida Ivo (Maastricht University, the Netherlands)	Training the brain to resist: fMRI-based Neurofeedback for Food-Salience Network Activity Modulation in Chocolate Lovers
C.18	ID63	Emma Tassinari (Western University, London, Ontario, Canada)	Recalibration of ICN Resting-state Connectivity Following Multiple Sessions of PCC- or Amygdala-Targeted fMRI Neurofeedback for PTSD
C.19	ID43	Arne Edvardsson (Primary Health Care Region Västra Götaland, Borås, Sweden)	Infra-Slow EEG Neurofeedback for Insomnia: Individual Response Trajectories in Primary Care
C.20	ID129	Sophie Kühne (RWTH Aachen University, Germany)	Throwing balls to control your brain – an fMRI neurofeedback study of SMA modulation in healthy controls and patients with MDD
C.21	ID57	Dongni Yan (Maastricht University, the Netherlands)	fMRI Neurofeedback for Stress Regulation in Police Officers Using AI-Generated Stimuli
C.22	ID137	Gal Raz & Talma Hendler (Tel Aviv University / Sagol Brain Institute, Israel)	Individual Tailoring of Stress Coping Training via a VR-Based Process-Neurofeedback

E · Neurorehabilitation, stroke and BCI

C.24	ID74	Jack Jiaqi Zhang (The Hong Kong Polytechnic University, Hong Kong SAR)	Utilizing a fNIRS-guided brain-computer interface to facilitate observational imitation in poststroke rehabilitation: A randomized controlled trial
C.25	ID48	Alice Barra (Universitat Politècnica de València, Spain)	NeMoRe: NeuroModulation Rehabilitation of attentional deficits after acquired brain injury
C.26	ID66	Camille Muller (CerCo, Université de Toulouse, France)	Identifying brain activity patterns in multimodal neurofeedback: A joint EEG Alpha/Beta analysis
C.27	ID88	Jitendra Awasthi (Yale University, New Haven, USA)	Prehabilitation: Promoting Neuroplasticity Before Tumor Resection to Preserve Postoperative Function

F · Cognition, perception and memory

C.28	ID39	Aurimas Mockevičius (Vilnius University, Lithuania)	Individualized Gamma Neurofeedback: Associations Between Individual Gamma Frequency Modulation and Auditory Working Memory in Healthy Elderly Adults
C.29	ID140	Nada Frei (University Hospital of Psychiatry Zurich, Switzerland)	Targeting VWFA-pSTG Coactivation with Real-Time fMRI Neurofeedback to Enhance Consolidation of Newly Learned Letter-Speech Sound Associations
C.30	ID69	Caleb N. Jerinic-Brodeur (University of Texas at Austin, USA)	Toward real-time neurofeedback for the suppression of unwanted working memories
C.31	ID109	Elisa Percolla (Julius-Maximilians-Universität Würzburg, Germany)	Eyes open or eyes closed? A comparison to optimise future neurofeedback protocols including mindfulness-based meditation
C.32	ID64	Sarah K. Godehardt (University of Bern, Switzerland)	Supporting Deep Encoding with Non-Invasive Brain Stimulation: A tDCS-fMRI Study in Younger and Older Adults