

POSTER No.	DAY	NAME	PRESENTATION TITLE
CLINICAL			
001	3	Zeena-Britt Sanders	Bi-directional modulation of sensorimotor cortex during executed movements
007	3	David Marc Anton Mehler	Targeting the emotional brain – a Randomized Clinical Trial of realtime fMRI neurofeedback training in patients with depression
009	3	Tom Fruchtman	Neurofeedback intervention for Post Traumatic Stress Disorder (PTSD): Preliminary results from fMRI study of chronic PTSD patients
012	3	Takashi Yamada	The search for “theranostic biomarker” in psychiatric disorders: for more understanding the disease mechanism and for providing tailor-made therapy
015	3	Stephen M LaConte	Real-time fMRI modulation of DMN is enhanced with cognitive behavioral therapy in depression
017	3	Masayuki Hirata	Clinical Application of Implantable Brain Machine Interfaces
019	3	Mohit Rana	Self-regulation of anterior insular cortex in nicotine addicted smokers
022	3	Nana Morita Hayashi	Decoded neurofeedback training for steady-state visual evoked field in patients with spinal cord injury
026	3	Oliver Bichsel	Deep brain electrode-guided neurofeedback in Parkinson's disease
029	3	Ryohei Fukuma	Neurofeedback using DBS electrodes in subthalamic nucleus of patients with Parkinson's disease
031	3	Masaya Misaki	Individual difference in the effect of amygdala neurofeedback emotional training in combat-related PTSD
033	3	Marita Mariela Rance	Neurofeedback produces clinical improvement in obsessive-compulsive disorder that grows over time
036	3	Kathryn Dickerson	Using real-time fMRI neurofeedback as a tool for demonstrating therapeutic efficacy
040	3	Hiroaki Fujimoto	fNIRS-mediated neurofeedback for cerebellar ataxia: potential for augmenting rehabilitation outcome
NEURAL MECHANISM			
049	3	Leon Skottnik	Involvement of the reward system during rtfMRI neurofeedback across various self-regulation tasks
052	3	Meena M. Makary	DMN Functional Connectivity Modulation after Self-regulation of the Primary Motor Cortex Activity with Motor Imagery: A Real-time fMRI Neurofeedback Study
055	3	Wako Yoshida	Closed-loop pain relief control using fMRI multi-voxel decoder and reinforcement learning
058	3	Shingo Tanaka	Elucidating the role of the macaque lateral prefrontal cortex for the value-based decision making using the decoded neurofeedback
062	3	Fabien LOTTE	What are the best motor tasks to use and calibrate SensoriMotor Rhythm Neurofeedback and Brain-Computer Interfaces? A preliminary case study
COGNITION AND PERCEPTION			
068	3	Megan T deBettencourt	Predicting memory encoding by tracking attention
071	3	Jessica Elizabeth Taylor	An Investigation into the Ecological Validity of DecNef Fear Memory Counter-Conditioning
073	3	JD Knotts	Using decoded fMRI neurofeedback to identify multivariate patterns for illusory color perception
075	3	Hyun-Chul Kim	Mediation analysis between triple networks reflects functional connectivity changes from a mindfulness training in real-time fMRI neurofeedback setting
078	3	Yury Koush	Hippocampal CA1 down-regulation performance as a biomarker of preclinical Alzheimer's disease.
081	3	Aurelio Cortese	Adaptive significance of consciousness in reinforcement learning
085	3	Gunda Hanna Johannes	Neurofeedback-aided regulation of food cue reactivity in the dopaminergic midbrain
METHOD, THEORY, MATH			
088	3	Yuto Okada	Simulation studies of deep-brain activity inference using fMRI-fNIRS
091	3	Tabea Kamp	Localizing the default mode network for real-time purposes using seed-based analyses
094	3	Rick van Hoof	Single trial letter imagery decoding in early visual cortex with high-field MRI
096	3	Michael Luehrs	Functional verification of fNIRS probe locations using a generalized SVM classifier model

POSTER No.	DAY	NAME	PRESENTATION TITLE
100	3	Lydia Hellrung	Motion and physiological noise effects on neurofeedback learning
103	3	Klaus Mathiak	Intersubject covariance reveals patterns in neurofeedback dynamics and disturbances in psychiatric disorders
108	3	Ayumu Yamashita	Quantitative comparing the magnitude of measurement bias and sampling bias on multi-site resting-state fMRI connectivity with the magnitude of the effects of psychiatric disorders by using traveling subject design
111	3	Catalin Iourdan	KL-Evidence: A Novel Multivariate Neurofeedback Method for Differentiating Representations
113	3	Diletta Rivela	On the development of EEG sensorimotor rhythm-based continuous proprioceptive neurofeedback
115	3	Hanna Lu	Intra-individual variability of head motion (IIV-HM): a novel index of in-scanner head motion and its associations with cognitive performance
118	3	Judith Eck	Self-regulation of a functional network using real-time fMRI

BRAIN-MACHINE INTERFACE

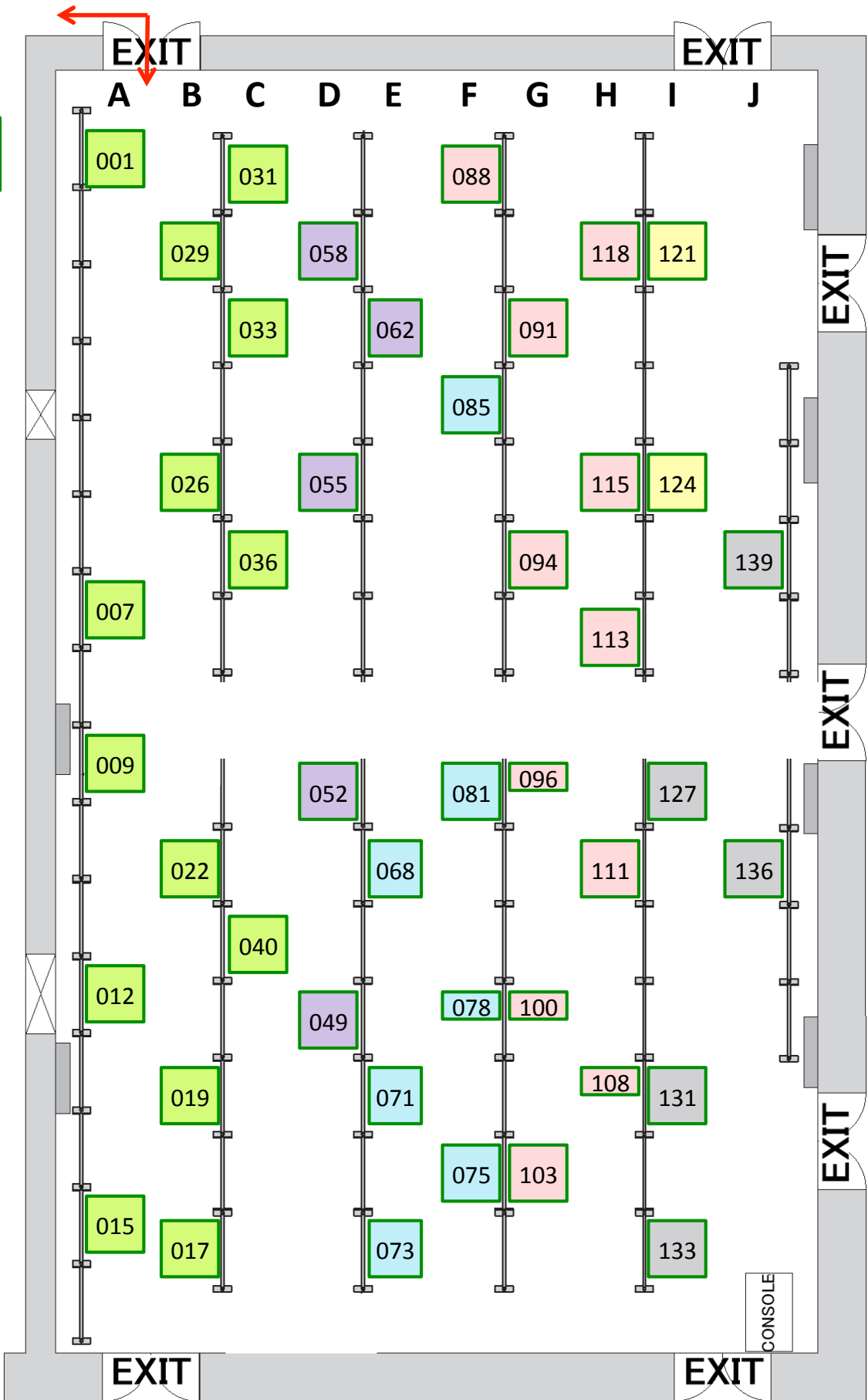
121	3	Taro Kajiu	Induction of electrocorticography patterns via operant conditioning using a BMI self-feeding task
124	3	Jun-ichiro Furukawa	Human Movement Estimation from Multiple Biosignal Observations toward Safe Assistive Robot Control

EMOTION AND SENSORIMOTOR

127	3	Zhiying Zhao	Training the Emotion Regulation Circuit Using Functional Connectivity Based rt-fMRI Neurofeedback: Proof-of-Concept
131	3	Renate Schweizer	Extended rt-fMRI neurofeedback training of the somato-motor cortex reveals different learning outcomes
133	3	Michael Marxen	The Influence of Amygdala Regulation on Emotional Reactivity
136	3	Frank Pollick	Enhancing Motor Reaction time using Real-Time Functional MRI Neurofeedback of Supplementary Motor Area (SMA)
139	3	Jenny Katharina Zaehring	Alterations of Emotion Regulation in Patients with Borderline Personality Disorder through Real-time fMRI Neurofeedback Training

To Noh Hall
(Main Hall)

Day3



- Neural Mechanism
- Clinical
- Method, Theory, Math
- Emotion and Sensorimotor
- Brain-Machine Interface
- Cognition and Perception