POSTER SESSION

Thursday, February 12, 2015

POSTER #	NAME	PRESENTATION
CLINICAL		
1	Christian Paret	Training of amygdala regulation in borderline patients with real-time fMRI
2	J. Lucas Koberda	QEEG/ LORETA/ electrical imaging and z-score LORETA neurofeedback in neuropsychiatric diagnosis and therapy
3	Anna Zilverstand	Neurofeedback based on functional magnetic resonance imaging facilitates anxiety regulation in spider phobia
4	Mikhail Melnikov	Targets for rtfMRI Training for Identity Improvement in Patients with Substance Use Disorders (SUD) Rehabilitation
5	Jonathan Shute	Neural Correlates of Tourette Syndrome within the Centromedian Thalamus, Premotor, and Primary Motor Cortices
6	Ricky Savjani	Modulating Craving States in Cocaine Addiction via Real-time fMRI Feedback
7	Korhan Buyukturkoglu	Self-regulation of anterior insula with real-time fMRI and its behavioral effects in obsessive compulsive disorder: A pilot study
8	Fabien Robineau	Self-Regulation of Right Visual Cortex Hemineglect Patients Using Auditory Real-Time fMRI Neurofeedback (ADHD)
9	Mohit Rana	Self-regulation of the anterior insula in nicotine addicted smokers
10	Mohit Rana	Real-time haptic neurofeedback for motor rehabilitation in upper limb using fNIRS
11	Janis Daly	Identification of potential brain signal feature as a target during EEG-BCI paradigm
12	Andrew Varan	Executive functioning and rtfMRI neurofeedback success in aging
13	Nikolaus Weiskopf	Neurofeedback training in Huntington's disease: enhancing neural plasticity using real-time fMRI neurofeedback training
14	Xingbao Li	Real-time fMRI neurofeedback training of prefrontal cortex inhibits the activity of hippocampus in nicotine-dependent
15	Tanju Surmeli	The Effects Of QEEG Guided Neurofeedback Treatment (NFT) On Patients With Intellectual Disability: A Clinical Case Series.
16	Annette Bruehl	Real-time fMRI neurofeedback training can improve amygdala regulation

METHODS		
17	Andreas Schmidt	Towards a pattern-based BCI for affective disorders
18	Lukas Breuer	Real-Time Source Analysis for Whole-head Magnetoencephalograpy
19	Enrico Opri	Pattern classification of fMRI signals of affirmative and negative brain responses in a classical conditioning BCI
20	Jens Sommer	Effect of motion correction algorithm on feedback
21	Ethan Oblak	Effects of Signal to Noise and Feedback Delay on Biofeedback Performance: Implications for Real-time fMRI
22	Megan deBettencourt	Real-time fMRI neurofeedback of context to support memory retrieval
23	Caroline Benjamins	The effects of feedback display complexity on self-regulation performance in real-time fMRI neurofeedback
24	Kirsten Emmert	Self-regulation of the anterior insula in nicotine addicted smokers
25	Jong-Hwan Lee	Can the default-mode networks estimate brain regions associated with a real-time fMRI neurofeedback? A feasibility study
26	Johan van der Meer	Image Distortion at 7 Tesla Echo-Planar Imaging - Considerations for Neurofeedback
27	Michael Marxen	Regulating amygdala activity using fMRI-neurofeedback without instructed strategy
28	Romy Lorenz	Towards steering the chronnectome - on the potential of dynamic functional connectivity-based neurofeedback of large scale brain networks
29	Jeungchan Lee	Application of simultaneous multi-slice imaging to real-time fMRI for improved neurofeedback signal fidelity
30	Florian Nicolas Götting	Experiences in using 7T fMRI neurofeedback - Resolution vs. Time issues
31	Jianbo Tang	Non-Invasive Real-time Photoacoustic Tomography of Cerebral Hemodynamics in Freely Moving Rats feedback training
32	Steffen Volz	Optimal EPI with minimal susceptibility-related BOLD sensitivity loss: an automated method based on a population field map database
33	Rotem Kopel	Optimized signal processing drift removal for real-time fMRI
34	Renate Schweizer	Serial processing of feedback information is beneficial in rtfMRI neurofeedback of the anterior midcingulate cortex

35	Enrico Opri	MANAS 4: a comprehensive Pattern Classification Toolbox for fMRI signals
36	Aniruddh Ravindran	Classification of lower limb movement preparation in chronic stroke: A study toward an fNIRS-BCI for gait rehabilitation
37	Ahmad Mayeli	Fast Detection and Efficient Suppression of Motion Artefacts in EEG Data with Moving Standard Deviation and Spline Interpolation
38	Patrik Andersson	The time course of classification of imagined stimulus category
39	Ricardo Pio Monti	A real-time adaptation of the Smooth Incremental Graphical Lasso Estimation algorithm with applications in neurofeedback smokers
40	Paul Wighton	Designing a Successful rtfMRI Experiment: Theoretical Considerations
41	Idil Demircapa	Real time neurofeedback training of anterior cingulate cortex with functional magnetic resonance imaging

POSTER SESSION

Friday, February 13, 2015

POSTER #	NAME	PRESENTATION TITLE
SCIENTIFIC INVESTIGATIONS		
42	Kirsten Emmert	Comparison of anterior cingulate and insular cortex as targets for real-time fMRI neurofeedback during pain stimulation
43	Kirsten Emmert	Active pain coping increases BOLD response in real-time fMRI neurofeedback
44	Nina Merkel	Enhancement of gamma oscillations in the visual cortex with MEG based neurofeedback.
45	Theo Marins	Modulation of premotor cortex and its impact over the motor network: A neurofeedback by fMRI study
46	Sunjung Kim	Brain regulation of the unconscious
47	Sean Houlihan	Source-approximated EEG neurofeedback for effortless
48	Gianluca Macauda	Visual support of motor imagery in real time fMRI
49	James Sulzer	Facilitation of motor skill learning using endogenous production of dopamine
50	Marcel Jakob	Learning to control the brain
51	Jinendra Ekanayake	Learning to see things differently through realtime fMRI neurofeedback training
52	Maria Veldhuizen	Using spontaneous real time amygdala responses to test predictions about taste intensity perception
53	Ali Zaidi	Simultaneous electrophysiology and epidural fNIRS as a tool for studying local neuro-vascular coupling during neurofeedback in non-human primates awareness
54	Jodi Gilman	Modulation of visual attention of blended faces and scenes in the FFA and PPA
55	Silvia Marchesotti	Neural mechanisms of non-invasive brain-machine interfaces control modulation
56	Pradyumna Sepulveda	Comparison of efficiency and neural substrates of learning self-regulation with contingent feedback, reward and mental imagery
57	Paulo Ribeiro	Neural sources of hemodynamic signals: model validation from simultaneous electrophysiological and fNIRS signals
58	Anis Davoudi	Functional Imaging of Emotional Processing

59	Nimrod Keynan	Modulation of deep brain activity and improved emotion regulation via fMRI/EEG NeuroFeedback
60	Gunda Johannes	Neural self-manipulation of dopaminergic midbrain activity in response to food reward: A prospective real-time fMRI study
61	Mingzhou Ding	Visual input increases the coupling between visual alpha oscillations and default mode activity
62	Eberhard Fetz	Dynamics of distributed cortical activity over the course of learning to use a brain-computer interface
63	Eberhard Fetz	Cortico-cortical interactions during brain-computer interface control
64	Arjun Mukerji	Real-time neurofeedback of working memory usage during prospective remembering
65	YunYing Huang	Using a mobile EEG system for neurofeedback training to enhance hemispheric lateralization in motor
66	Pegah Sarkheil	fMRI feedback enhances emotion regulation circuitry
67	Dongha Lee	Real-time fMRI feedback training based on classification modulates consistency of activity patterns during motor imagery
68	Jeff MacInnes	Cognitive Neurostimulation: Learning to Volitionally Sustain Ventral Tegmental Area Activation Cognitive Neurostimulation: Learning to Volitionally Sustain Ventral Tegmental Area Activation
CONNECTIVITY		
69	Josue Luiz Dalboni da Rocha	Brain Machine Interface training white matter remodeling after stroke
70	Kymberly Young	Changes in amygdala functional connectivity following rtfMRI amygdala neurofeedback training in patients with major depressive disorder
71	Kathleen Garrison	Functional connectivity during region of interest-based neurofeedback from the posterior cingulate cortex
72	Sergio Ruiz	Functional connectivity neurofeedback of the Inferior Frontal Gyrus and Superior Temporal Gyrus using rtfMRI: Effects on brain connectivity and semantic priming
73	Nicole Drummond	Can neurofeedback training lead to enhancements in functional connectivity
74	Kishore Vakamudi	Real-time resting-state network dynamics using ultra-high-speed fMRI

75	Rotem Kopel	Training of brain-activity regulation using real-time fMRI neurofeedback induces functional network reorganization
METHODS		
76	Rotem Kopel	Effects of self-regulated brain activity using real time fMRI on functional network organization
77	Gavin Philips	Quantification of functional connectivity using generalized measure of association and topographical volume for brain-computer interface enabled post-stroke motor rehabilitation
78	Robert Thatcher	Functional Connectivity, Diffusion Tensor Imaging (DTI), and LORETA Coherence, Phase and Co-modulation
79	Dushyanth Bookanakere Nagaraju	Classifying Alzheimer's Disease Based on Complex Graph Measures
80	Jong-Hwan Lee	Data-driven multivariate analysis revealed the whole-brain functional connectivity changes associated with real-time fMRI neurofeedback information Cortico-cortical interactions during brain-computer interface control
81	Donaldson Preston	Construction and Research with an Electrical Impedance Tomography Device
82	Lydia Hellrung	Intermittent compared to continuous real-time fMRI neurofeedback boosts control over amygdala activation
CLINICAL		
83	Sooki-Lei Liew	Real-time fMRI connectivity neurofeedback in individuals with chronic stroke: Preliminary results
84	Dustin Scheinost	Changes in resting state connectivity related to clinical improvement in a neurofeedback study of Tourette syndrome
MULTIMODAL INVESTIGATIONS		
85	Ludmila Kozlova	Synergetic fMRI-EEG Brain Mapping in Alpha Training Mode
86	Chiara Fioravanti	Volitional control of brain phase synchrony for modulating conscious visual perception: a combined, real time MEG-EEG study