Agnieszka Zuberer

Curriculum Vitae

Clinical Affective Neuroscience Laboratory
Department of Psychiatry and Psychotherapy
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Academic Background

Current Position

Oct 2020 – present **Research Scientist.** Clincal Affective Neuroscience Laboratory, Department of Psychiatry and Psychotherapy, University Hospital Tübingen, Germany.

Oct 2020 – present **Research Scientist.** Department of Psychiatry and Psychotherapy, Friedrich-Schiller University, Jena, Germany.

Previous Positions

Oct 2018 – Sept 2020 **Research Scientist.** Boston Attention And Learning Laboratory, Boston University, School of Medicine, Boston, USA.

Jan 2018 – Sept 2018 **Research Scientist.** Department of Psychiatry and Psychotherapy, University Hospital Tübingen, Germany.

May 2017 – Dec 2017 **Adjunct Researcher.** Department of Child and Adolescent Psychiatry, Psychiatric University Hospital. University of Zürich, Zürich, Switzerland.

Nov 2013 – May 2017 **Predoctoral Fellow.** Department of Child and Adolescent Psychiatry, Psychiatric University Hospital, University of Zürich, Zürich, Switzerland.

Jun – Sep 2012 **Research Assistant.** Berlin School of Mind and Brain, Humboldt University, Berlin, Germany.

Jun – Aug 2007 **Research Assistant.** Department for Childhood and Adolescent Mental Health. University Hospital Erlangen, Erlangen, Germany.

Education

Nov 2013 – May 2017 **Dr. lic. phil. (Ph.D.) Psychology,** Department of Child and Adolescent Psychiatry, Psychiatric University Hospital, University of Zürich, Zürich, Switzerland.

Mar 2013 **M.Sc. Psychology.** University of Zürich, Zürich, Switzerland.

Oct 2004 – Jul 2008 **Studies of Psychology (Dipl.).** Minor in pedagogy. Otto-Friedrich University, Bamberg, Germany.

Honors and Awards

Sept 2018 **Swiss National Science Foundation (SNF) Postdoc Mobility Grant**, *Project Title: Harnessing the wandering mind in ADHD - On the association between the awareness and control of one's own wakefulness*, $80,000 USD.

June 2018 **Joe Kamyia First-Person Science Award**, *Brain Master Technologies*, $1000 USD.

Apr. 2017 **Travel Grant**, *Multilevel modeling of neurofeedback EEG-learning in children and adolescents with ADHD*, 6th world congress on ADHD, Vancouver, Canada.
$1000 USD

Oct. 2015 **Best research presentation**, *Burghölzli Psychiatry meeting*, Zürich, Switzerland, $300 USD.

Publications

In preparation

Zuberer, A., Rickels-Jagger, A., Stumps, A., Evans, T., DeGutis, J., A. & Esterman, M. (in prep). Using fMRI graph metrics to define an attention sub-type in post-traumatic stress disorder.

Zuberer, A., Watanabe, M., Esterman & M.,Lazar, S. (in prep). Coupling between subjective and objective attention improves after meditation in the elderlies.

Nanni, M., Daneyeli, L., Chand, T.,Walter.M,& **Zuberer, A.** (in prep). Neural markers of dynamic engagement and disengagement of emotional arousal during movie watching: new insights from a representation similarity analysis.

Liebe, T., Zumrut, D., Daneyeli, L., Walter.M,& **Zuberer, A.** (in prep). Neural subtype of high interoception performance is immune to ketamin induced supression of attentional alertness.

Watanabe, M., Sevinc G, **Zuberer, A.**, Esterman & M.,Lazar, SW. (in prep). Aging is a problem that will cost a lot. Mental fatigue links to lack of sustained attention.

Babb, J., **Zuberer, A.**, Heinrichs, S., Alfiler, L., Rumbika, K., Lakis, G., Leite-Morris, K. & Kaplan, K. (in prep). Mild blast-related TBI in a mouse model alters amygdalar neurostructure and circuitry: novel insights from a longitudinal design.

Fortenbaugh, F., Gustafson, J., **Zuberer, A.**, Fonda, J., Fortier, C., Milberg, W. & McGlinchey, R. (in prep). Retinal Structural Changes Associated with Blast-Induced Mild Traumatic Brain Injury Identified on OCT Imaging.

Peer reviewed publications

[* equal contribution]

Jagger-Rickels, A., Stumps, A., Rothlein, D., Park, H., Fortenbaugh, F., **Zuberer**, A., Fonda, J., Fortier, C., DeGutis, J., Milberg, W. & Esterman, M. (in press). Impaired executive function exacerbates neural markers of PTSD. *Psychological Medicine*.

Zuberer, A., Kucyi, A., Yamashita, A., Wu, C., Walter, M., Valera, E. & Esterman, M. (2021). Integration and segregation across large-scale intrinsic brain networks as a marker of sustained attention and task-unrelated thought. *Neuroimage*. PDF

Zuberer, A.*, Jamalabadi, H.*, Kumar, V., Li, M., Alizadeh, S., Moradi, A. , Esterman, M. & Walter, M. (2020). The missing role of gray matter in brain controllability. *Network Neuroscience*. PDF

Zuberer, A., Schwarz, L., Kreitfelts, B., Wildgruber, D., Erb, M., Fallgatter, A., Scheffler, K. & Ethofer, T. (2020). Neural basis of impaired emotion recognition in adult attention deficit hyperactivity disorder. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. PDF

Minder, F., **Zuberer, A.**, Brandeis, D. & Drechsler, R. (2019). Specific Effects of Individualized Cognitive Training in Children with Attention-Deficit/Hyperactivity Disorder (ADHD): The Role of Pre-Training Cognitive Impairment and Individual Training Performance. *Developmental Neurorehabilitation, 22:6, 400-414*PDF

Zuberer, A., Minder, F., Brandeis, D. & Drechsler, R. (2018). Mixed-effects modeling of neurofeedback self-regulation performance: moderators for learning in children with ADHD. *Neural Plasticity.*PDF

Minder, F., **Zuberer, A.**, Brandeis & D., Drechsler, R. (2018). Informant-related effects of Neurofeedback and cognitive training in children with ADHD including a waiting control phase: a randomized-controlled trial. *European child & adolescent psychiatry*. PDF

Minder, F., **Zuberer, A.**, Brandeis, D. & Drechsler, R. (2018). A review of the clinical utility of systematic behavioral observations in Attention Deficit Hyperactivity Disorder (ADHD) *Child Psychiatry & Human Development*. PDF

Zuberer, A., Minder, F., Brandeis, D. & Drechsler, R. (2015). Are treatment effects of neurofeedback training in children with ADHD related to the successful regulation of brain activity? A review on the learning of regulation of brain activity and a contribution to the discussion on specificity. *Frontiers of human neuroscience*. PDF

Book chapters

Zuberer, A., Ilieva I. & Drechsler, R. (2018), Review of Test of planning ability in primary school children, in Schellig, D., Heinemann, D., Schächtele, B., Sturm, W. (ed.) *Handbook of Neuropsychological Tests*. Hogrefe.

Professional Service

Board of Directors The Foundation for Neurofeedback and Neuromodulaton Research (FNNR). (Since Mar 2017).