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

Nanni-Zepeda, N., DeGutis, J., Rothlein, D., Wu, C., Grimm, S., Walter, M., Esterman, M., & **Zuberer, A.** (in prep). Engaging and disengaging from sad emotions during movie watching: an idiosyncratic fMRI study

Liebe, T., Zumrut, D., Daneyeli, L., Walter, M., Esterman, M., & **Zuberer, A.** (in prep). Neural subtype of high interoception performance is immune to ketamine 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. (submitted). Aberrant fear extinction learning after mild traumatic brain injury in mice is associated with alterations in neural plasticity in the medial prefrontal cortex and basolateral nucleus of the amygdala.

Evans, T., Alonso, M., Jagger-Rickels, A., Rothlein, D., Zuberer, A., Bernstein, J., Fortier, C., Fonda, J. Jorge, R., Milberg, W., McGlinchey, R., DeGutis, J., & Esterman, M. (submitted). PTSD symptoms selectively impair sustained attention ability by reducing task-related dorsal attention network synchronization.

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. (2021). Impaired executive function exacerbates neural markers of PTSD. *Psychological Medicine*. PDF

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).

Ad-hoc Reviewer for Neuroimage, Cerebral Cortex, Eneuro, Biological Psychology, Cognitive Therapy and Research, Journal of Abnormal Psychology, International Journal of General Medicine & Research in Developmental Disabilities.