

# Agnieszka Zuberer

## Curriculum Vitae

Clinical Affective Neuroscience Laboratory  
Department of Psychiatry and Psychotherapy  
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## Academic Background

### Current Position

- Oct 2020 – **Research Scientist.** Clinical Affective Neuroscience Laboratory, Department of Psychiatry and Psychotherapy, University Hospital Tübingen, Germany.  
Oct 2020 – **Research Scientist.** Department of Psychiatry and Psychotherapy, Friedrich-Schiller University, Jena, Germany.

### Previous Positions

- Oct 2018 – **Research Scientist.** Boston Attention And Learning Laboratory, Boston University, School of Medicine, Boston, USA.  
Jan 2018 – **Research Scientist.** Department of Psychiatry and Psychotherapy, University Hospital Tübingen, Germany.  
May 2017 – **Adjunct Researcher.** Department of Child and Adolescent Psychiatry, Psychiatric University Hospital. University of Zürich, Zürich, Switzerland.  
Nov 2013 – **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 – **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 – **Studies of Psychology (Dipl.).** Minor in pedagogy. Otto-Friedrich University, Bamberg, Germany.  
Jul 2008

## 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 suppression 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). 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]

Hillmann, B., **Zuberer, A.**, Schwarz, L., Erb, M., Scheffler, M., Nieratschker, V., & Ethofer, T. (2022). ADHD patients with DIRAS-2 risk allele need more thalamic activation during emotional face-voice recognition. *Psychiatry Research*. [PDF](#)

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. (2021). The missing role of gray matter in brain controllability. *Network Neuroscience*. [PDF](#)

**Zuberer, A.**, Schwarz, L., Kreitfeldts, 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.

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#### Professional Service

**Board of Directors** The Foundation for Neurofeedback and Neuromodulation 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.