

# ELENA M. GALEANO WEBER

[galeanoweber@berkeley.edu](mailto:galeanoweber@berkeley.edu)  
(updated 8/2018)

## EDUCATION

- 08/2018 – University of California at Berkeley  
Helen Wills Neuroscience Institute  
*Postdoctoral scholar*  
Advisor: Prof. Dr. Silvia Bunge
- 07/2016 – 07/2018 DIPF & IDeA Center Frankfurt  
*Postdoctoral researcher*  
Advisor: Prof. Dr. Florian Schmiedek
- 08/2012 – 04/2016 Goethe University Frankfurt  
Department of Psychology  
*Ph.D. in Psychology (Dr. rer. nat.)*  
Advisor: Prof. Dr. Christian Fiebach
- 04/2007 – 07/2012 Goethe University Frankfurt  
*Degree in Psychology (Diploma)*
- 09/2009 – 02/2010 University of Bangor, Wales  
*Visiting scholar*

## POSTGRADUATE TRAINING

- 04/2016 – KJ-IPAM, Philipps-University Marburg  
Training in childhood and adolescent psychotherapy  
*Clinical trainee*  
Advisor: Prof. Dr. Hanna Christiansen

## INTERNSHIPS

- 04/2016 – 09/2016 Sociopediatric Centre – Klinikum Frankfurt Höchst  
*Clinical internship*
- 06/2010 – 08/2010 University Hospital Frankfurt, Pediatric neurology  
*Student internship*
- 02/2010 – 09/2010 Frankfurt Institute for Advanced Studies (FIAS), neuro-branch  
*Student assistant*
- 03/2009 – 05/2009 Max-Planck-Institute for brain research, Neurophysiology  
*Student internship*

## PUBLICATIONS (PEER-REVIEWED)

Wolf, K., Galeano Weber, E., van den Bosch, J., Volz, S., Noeth, U., Deichmann, R., ... & Fiebach, C. (2018). Neurocognitive Development of the Resolution of Selective Visuo-Spatial Attention: Functional MRI Evidence from Object Tracking. *Frontiers in Psychology*, 9, 1106.

Galeano Weber, E. M., Dirk, J., Schmiedek, F. Variability in the precision of children's spatial working memory (2018). *Journal of Intelligence*, 6 (8), 1 – 19

Galeano Weber, E. M., Hahn T., Hilger K., Fiebach C. J. (2017). Distributed patterns of occipito-parietal functional connectivity predict the precision of visual working memory. *NeuroImage*, 146, 404 - 418

Galeano Weber, E., Peters, B., Hahn, T., Bledowski, C. & Fiebach, J. C. (2016). Superior intraparietal sulcus controls the precision and variability of visual working memory. *The Journal of Neuroscience*, 36(20), 5623 - 5635

Alink, A., Euler, F., Galeano Weber, E. M., Krugliak, A., Singer, W. & Kohler, A. (2012). Auditory motion capturing ambiguous visual motion. *Frontiers in Psychology*, 3 (391), 1 – 8

## DOCTORAL DISSERTATION

Galeano Weber, E. M. (2016). Encoding Precision and Variability Constrain Perceptual Visual Memories in Human Occipital and Parietal cortex. 1 – 173, Kumulative Dissertation, Goethe-University Frankfurt, 2016

## MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

Galli, A., Galeano Weber, E. M., Engelmann, J. B., Fiebach C. J. Approach motivation modulates the effect of emotional distraction on the precision and variability of visual working memory. Submitted for publication in *Motivation and Emotion* (under review)

## TALKS, PRESENTATIONS, & POSTERS

Galeano Weber, E. M. (2018). Investigating neurocognitive mechanisms of precision and variability in visual working memory. Presented as a talk at *Bay area memory meeting (BAMM)* in Davis, California

Galeano Weber, E. M., Dirk, J., Schmiedek, F. (2017). Spatial quality: A more sensitive index than response accuracy of spatial working memory updating in primary school children? Presented as poster at the *PAEPSY-Tagung 2017* in Münster, Germany

Galeano Weber, E. M., Kühnhausen, J., Dirk, J., Schmiedek, F. (2017). Ein Belohnungssystem für intensive Längsschnittstudien. Presented as poster at the *Individual Development and Adaptive Education (IDeA) Bilanzworkshop* in Frankfurt, Germany

Galeano Weber, E. M., Hahn, T., Hilger K. & Fiebach, J. C. (2016). Distributed pattern of functional connectivity between visual and parietal cortex predict the precision of visual working memory. Presented as poster at the *Tagung experimentell arbeitender Psychologen (TeaP)* in Heidelberg, Germany

Galeano Weber, E. M., Peters, B., Hahn, T., Bledowski, C. & Fiebach, J. C. (2015). Dekodierungsgüte im superioren Sulcus intraparietalis prädiziert die Qualität und Stabilität von Arbeitsgedächtnis-repräsentationen. Presented as a talk of the symposium *Mehr Daten, mehr Wissen?: Aktuelle Machine*

*Learning Ansätze in Grundlagenforschung und klinischer Anwendung* at the *Psychologie & Gehirn* conference (PuG) in Frankfurt, Germany

Galeano Weber, E. M., Peters, B., Hahn, T., Bledowski, C. & Fiebach, J. C. (2015). Load-dependent neural patterns within superior intraparietal cortex reflect the deterioration of precision in visual working memory. Presented as a poster and data blitz talk at the *Cognitive Neuroscience Society (CNS) conference* in San Francisco, California, United States

Galli, A., Galeano Weber, E. M. & Fiebach, J. C. (2014). Differential effects of task-irrelevant emotions on the precision of working memory representation. Presented as a poster at the *International Conference on Working Memory* in Cambridge, United Kingdom

## POPULAR SCIENCE

Neundorf P., Kühnhausen J., Galeano Weber, E. M. „Saschas rasante Rueckkehr aus dem Murkseversum - Ein Murkseaufkleberintegrierbuch für Beschwörlinglinien fortgeschrittener Beschwörstufen“, p. 1 – 40. This book was written for the ‘SASCHA` project at DIPF & IDeA Center, Frankfurt, Germany. 2017

*SASCHA Game Instruction 2.0*: <https://youtu.be/fsVzTveAhI0>

Neundorf P., Kühnhausen J., Galeano Weber, E. M. „Saschas rasende Reise durch das Murkseversum - Ein Murkseaufkleberintegrierbuch für Beschwörlinglinien beginnender Beschwörstufen“, p. 1 – 36. This book was written for the ‘SASCHA` project at DIPF & IDeA Center, Frankfurt, Germany. 2017

*SASCHA Game Instruction*: <https://youtu.be/7ZU6fmGirDM>

Rudolf A., Reinelt T., Galeano Weber, E. M. „Eine Reise in Dein Gehirn“, p. 1 – 24. This book was written for the ‘GIDeCA-AKA` project at IDeA-Center, Frankfurt, Germany, 2015

## SCHOLARSHIPS

2014 - 2016	SciMento – <i>hessenweit</i> - Mentoring for female PhD candidates and postdocs
2012 - 2013	GRADE – Goethe Graduate Academy: doctoral education and research support
2010 - 2015	efellows – <a href="http://efellows.net">efellows.net</a> – career network
2009 - 2010	LLP Erasmus - Education and culture lifelong learning program

## TEACHING (Goethe University Frankfurt)

2016	Instructor of Masterlevel course: An Introduction to R programming
2015	Instructor of Bachelorlevel course: Repetitorium- Biologische Psychologie; Mentor for Bachelor students (Psychology, Biology) writing their Bachelor theses
2014 - 2015	Instructor of Bachelorlevel course, Grundlagen der Psychologie: Vertiefung „Intelligente Gehirn“
2014 - 2015	Mentor for Masterstudents (Psychology) performing Forschungsmodul