



## Prof. Dr. Christian Fiebach

Professor, Department of Psychology  
Executive Board Member

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### Expertise

Cognitive Neuroscience, Functional Brain Imaging, Cognitive Flexibility vs. Cognitive Stability (Working Memory, Executive Functions), Language Processing, Neurocognitive Bases of Individual Differences

### Vita

2011 – 2016	Managing Director, Department of Psychology, Goethe University Frankfurt am Main
2010 – present	Professor of Neurocognitive Psychology (W3), Department of Psychology, Goethe University Frankfurt am Main
2009 – 2010	Professor of Cognitive Neuroscience (W3), Department of Psychology, Ruprecht Karls University Heidelberg
2008 – 2015	External Research Fellow, Donders Institute for Brain, Cognition, and Behavior, Radboud University Nijmegen, The Netherlands
2006 – 2009	Director, Emmy Noether Research Group, Dept. of Psychology, Ruprecht Karls University Heidelberg
2003 – 2006	Postdoctoral Research Fellow, Helen Wills Institute of Neuroscience and Department of Psychology, University of California, Berkeley
2001 – 2003	Research Scientist, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig
1998 – 2001	Doctoral Student, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig



## Publications

- Ueltzhöffer K, Armbruster-Genc DJ, Fiebach CJ (2015) Stochastic dynamics underlying cognitive stability and flexibility. *PLoS Comp Biol* e1004331.
- Ekman M, Derrfuss J, Tittgemeyer M, Fiebach CJ (2012) Predicting errors from reconfiguration patterns in human brain networks. *Proc Natl Acad Sci USA* 109:16714-9.
- Stelzel C, Basten U, Montag C, Reuter M, Fiebach CJ (2010) Fronto-striatal involvement in task switching depends on genetic differences in D2 receptor density. *J Neurosci* 30:14205-12.
- Basten, U, Biele, G, Heekeren, H, Fiebach, CJ (2010) How the brain integrates costs and benefits during decision making. *Proc Natl Acad Sci USA* 107:21767-72.
- Fiebach CJ, Rissman J, D'Esposito M (2006) Modulation of inferotemporal cortex during verbal working memory maintenance. *Neuron* 51:251-61.

## Coordinating Functions

- 06/2015                      Organizer, Annual Conference "Psychologie und Gehirn", June 3 – June 6, 2015, Goethe University Frankfurt am Main (together with Jochen Kaiser)

## Editorial and Scientific Advisory Board

- 2011 – 2016                      Action Editor, Brain and Cognition

## Awards, Grants and Honor

- 2016 – 2018                      DFG FI 848/6-1 "Adaptive dynamics of cognitive and behavioral variability in children with ADHD: long-term effects, neuronal bases, and responsivity to intervention)" (with Caterina Gawrilow, Tübingen University)
- 2016 – 2018                      "Lebenssituation und Lebensqualität junger Erwachsener nach schweren Schädelhirntraumen im Kindesalter und stationärer Rehabilitationsbehandlung" (ZNS - Hannelore Kohl Stiftung)
- 2015 – 2017                      DFG FI 848/5-1 "A neuroimaging investigation of attachment in 'children at risk'" (with T. Fischmann, M. Leutzinger-Bohleber, Sigmund-Freud-Institute)
- 2014 – 2019                      ERC Consolidator Grant "Language Processing by Overlapping Predictions: A Predictive Coding Approach/L-POP"
- 2011 – 2014                      LOEWE Center for Research on "Individual Development and Adaptive Education of Children at Risk" (IDeA)
- 2010 – 2015                      VIDI grant (NWO, The Netherlands): "Cognitive and neural mechanisms of affective working memory" (Donders Institute for Cognition, Brain and Behavior)
- 2010 – 2015                      BMBF Bernstein-Center Heidelberg/Mannheim, Subproject "Cognitive flexibility vs. stability: Imaging genetics studies of the dual-state model"



2006 – 2012

DFG FI 848/3-1 Emmy Noether research group “Neurocognitive mechanisms of individual differences”

### Memberships

Cognitive Neuroscience Society

Society for the Neurobiology of Language

Bernstein Computational Neuroscience e.V.

Association for Psychological Science (APS)

Deutsche Gesellschaft für Psychologie (DGPs)