

Curriculum Vitae: Prof. Philipp Sterzer, MD

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Date of birth: February 16th 1970
 Place of birth: Gräfelfing, Germany
 Nationality: German
 Work address: Universitäre Psychiatrische Kliniken Basel, Wilhelm-Klein-Strasse 27, 4002
 Basel, Switzerland
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Education and degrees

2017-2019 Training as Supervisor in Cognitive Behavioural Therapy
 2019 Certified CBASP therapist (Cognitive Behavioural Analysis System in Psychotherapy)
 2010 Board certificate Psychiatry and Psychotherapy (Facharzt Psychiatrie und Psychotherapie)
 2008 Habilitation degree and venia legendi in Experimental Psychiatry
 Charité – Universitätsmedizin Berlin, Germany
 2007 Board certificate Neurology (Facharzt Neurologie)
 2001 Doctoral degree MD (Dr. med.)
 Max Planck Institute of Psychiatry/Ludwig Maximilian University, Munich, Germany
 1998 Medical degree
 Faculty of Medicine, Ludwig Maximilian University, Munich, Germany
 1991-1998 Medical School, Ludwig Maximilian University, Munich, Germany,
 Harvard Medical School, Boston, USA

Professional experience

since 2022 Professor of Translational Psychiatry, University of Basel, and Chief Physician,
 Zentrum für Diagnostik und Krisenintervention, Universitäre Psychiatrische Kliniken
 Basel
 2021 Offer for Professor of Mental Health and Behavioural Medicine (W3), Potsdam
 University
 2020 Deputy Medical Director, Department of Psychiatry and Psychotherapy, Campus
 Charité Mitte, Charité – Universitätsmedizin Berlin, Germany
 2019 shortlisted (second place) for Professor of Psychiatry (W3), Universität Leipzig
 2017 shortlisted (second place) for Professor of Psychiatry (W3), Justus-Liebig-University
 Gießen
 2011 Professor of Psychiatry and Computational Neuroscience (W2), Department of
 Psychiatry and Psychotherapy, Campus Charité Mitte, Charité – Universitätsmedizin
 Berlin, Germany
 2011 Offer for Professor of Experimental Psychopathology and Neuroimaging (W3),
 Ruprecht-Karls-Universität Heidelberg, not accepted
 2011 Supervising psychiatrist (Oberarzt), Department of Psychiatry and Psychotherapy,
 Campus Charité Mitte, Charité – Universitätsmedizin Berlin, Germany
 2006-2008 Resident in Psychiatry and Psychotherapy, Department of Psychiatry, St. Hedwig
 Hospital, Department of Psychiatry, Charité – Universitätsmedizin Berlin, Germany
 2004-2006 Postdoctoral research fellow (DFG research fellowship), Wellcome Trust Centre for
 Neuroimaging, University College London, UK
 2000-2003 Postdoctoral research fellow, Department of Neurology, Goethe University, Frankfurt
 am Main, Germany

- 1998-2004 Resident in Neurology, Department of Neurology, Goethe University, Frankfurt am Main, Germany
- 1995-1999 Doctoral thesis, Max-Planck-Institute of psychiatry, Munich

Memberships in scientific organizations

- Fachgruppe Psychiatrie und Psychotherapie für Erwachsene sowie Kinder und Jugendliche der Medizinischen Gesellschaft Basel (since 2022)
- Deutsches CBASP-Netzwerk (since 2017)
- Deutsche Gesellschaft für Biologische Psychiatrie (since 2012)
- Deutsche Gesellschaft für Psychiatrie, Psychotherapie und Nervenheilkunde (since 2007)
- Vision Sciences Society (since 2005)
- Deutsche Gesellschaft für klinische Neurophysiologie (since 2004)
- Organization for Human Brain Mapping (since 2003)

Fellowships and awards (selection)

- Emys Award for best non-fiction children and youth book
Leipziger Buchmesse, proWissen Potsdam e. V., Germany (2013)
- Brain Travel Grant (2006)
- Travel Award Vision Sciences Society (2006)
- Travel Grant European Conference on Visual Perception (2005)
- Award for Innovation in Medical Education, Goethe University, Frankfurt am Main, Germany (2004)
- Human Brain Mapping Travel Award (2001)
- Scholarship from the Munich-Harvard-Alliance for Medical Education (1997)

Reviewer (selection)

Journals: American Journal of Psychiatry, Biological Psychiatry, Brain, Cerebral Cortex, Current Biology, JAMA Psychiatry, Journal of Experimental Psychology: General, Journal of Neuroscience, Nature Human Behavior, Nature Communications, PLoS Biology, PNAS

Grant agencies: Deutsche Forschungsgemeinschaft, Israel Science Foundation, Medical Research Council UK, Netherlands National Initiative Brain and Cognition, Research Council of Norway, Schweizerischer Nationalfond.

Third-party Funding

Overall sum: 6,046,544 €

Own part: 3,061,140 €

- DFG Clinical Trial BR 4264/6-1 (co-applicant, main applicant Prof. Dr. E.-L. Brakemeier): „ChangePDD - Cognitive Behavioral Analysis System of Psychotherapy (CBASP) vs. Behavioral Activation (BA) bei stationären Patienten mit persistierend depressiven und therapieresistenten Störungen: Wirksamkeit, Moderatoren und Mediatoren der Veränderung“, **1.784.965 €**, **own part 165.138 €**, 2021-2024
- ERA-NET NEURON Biomarker (coordinator): „IMBALANCE - A neurocomputational biomarker assay for schizophrenia based on E/I-balance“, **600.000 €**, **own part 200.000 €**, 2020-2023
- DFG Individual Research Grant STE1430/9-1 (main applicant): „The influence of value on unconscious sensory information processing“, **309,050 €**, 2019-2022
- DFG Individual Research Grant STE1430/8-1 (main applicant with Prof. Dr. Dr. A. Heinz): „Perceptual decision making under changing prior beliefs“, **431,640 €**, **own part 215,820 €**, 2019-2021

- DFG Individual Research Grant RU 4836/1-1 (co-responsible applicant): „Konfidenzbasiertes Lernen: Etablierung einer neuen Form des Lernens ohne Feedback“, **466,982 €**, **no own part**, 2019-2022
- Stiftung Charité BIH Clinical Fellowship, BIH PRO 519 (main applicant): „Psychose erklären – Stigma reduzieren: Ein neues Störungsmodell für Schizophrenie“, **75,000 €**, 2018-2021
- DFG Forschergruppe FOR1617, Teilprojekt SCHM3209/1-2 & STE 1430/6-2 (main applicant mit Dr. K. Schmack): „Multivoxel pattern analysis of functional brain imaging data for the prediction of the development and maintenance of alcohol use disorders“, **gesamt 214,250 €, own part 120,075 €**, 2015-2018
- DFG Research Training Group, GRK 1589/2 (co-applicant): „Sensory Computation in Neural Systems“, **own part 54,000 €**, 2014-2018
- DFG Individual Research Grant RO 4836/2-1 (co-responsible applicant): „The effects of motivation on unconscious visual processing“, **188,600 €**, **no own part**, 2015-2017
- DFG Individual Research Grant STE1430/7-1 (main applicant): „The role of conditioning in visual perception“, **280,057 €**, 2014-2017
- Schweizerischer Nationalfond 105314M 150282/1 (co-applicant): „Neural correlates of emotional processes in adolescents with conduct disorder“, **356,000 €, own part 38,000 €**, 2014-2017
- DFG Research Unit FOR1617, subproject STE1430/6-1 (main applicant): „Multivoxel pattern analysis of functional brain imaging data for the prediction of the development and maintenance of alcohol use disorders“, **110,000 €**, 2012-2015
- DFG Research Training Group, GRK 1589/1 (co-applicant): „Sensory Computation in Neural Systems“, **own part 54,000 €**, 2010-2014
- DFG Emmy-Noether-Programme, STE 1430/2-1 (main applicant): „Die Rolle von Emotion und Motivation in der visuellen Emotionsverarbeitung: Neuronale Mechanismen und deren Veränderung bei depressiven Störungen“, **1,050,000 €**, 2008-2014
- DFG Research Scholarship, STE 1430/1-1 (main applicant): „Wie stabilisiert das Gehirn Wahrnehmungsinhalte? Eine Analyse mittels funktioneller Magnetresonanztomographie, repetitiver transkranieller Magnetstimulation, Magnetenzephalographie und der Untersuchung von Patienten mit spezifischen neuropsychologischen Störungen“ **72,000 €**, 2004-2006

Key publications

1. Weillnhammer V., Fritsch M., Chikermane M., Eckert A.L., Kanthak K., Stuke H., Kaminski J., **Sterzer P.** (2021). An active role of inferior frontal cortex in conscious experience. *Current Biology*, online ahead of print, doi:10.1016/j.cub.2021.04.043#
2. Sekutowicz, M., Guggenmos, M., Kuitunen-Paul, S., Garbusow, M., Sebold, M., Pelz, P., Priller, J., Wittchen, H. U., Smolka, M. N., Zimmermann, U. S., Heinz, A., **Sterzer, P.***, & Schmack, K.* (2019). Neural response patterns during Pavlovian-to-instrumental transfer predict alcohol relapse and young adult drinking. *Biological Psychiatry*, 86, 857-863, doi: 10.1016/j.biopsych.2019.06.028.
3. **Sterzer P.**, Adams R.A., Fletcher P., Frith C., Lawrie S.M., Muckli L., Petrovic P., Uhlhaas P., Voss M., Corlett P.R. (2018). The Predictive Coding Account of Psychosis. *Biological Psychiatry*, 84(9), 634-643.
4. Rothkirch, M., Tonn, J., Kohler, S., & **Sterzer, P.** (2017). Neural mechanisms of reinforcement learning in unmedicated patients with major depressive disorder. *Brain*, 140(4), 1147-1157 doi:10.1093/brain/awx025

5. Guggenmos, M., Wilbertz, G., Hebart, M. N. *, & **Sterzer, P.** * (2016). Mesolimbic confidence signals guide perceptual learning in the absence of external feedback. *eLife*, 5, doi: 10.7554/eLife.13388
6. Schmack, K., Gómez-Carrillo de Castro, A., Rothkirch, M., Sekutowicz, M., Rössler, H., Haynes, J.D., Heinz, A., Petrovic, P., & **Sterzer P.** (2013). Delusions and the role of beliefs in perceptual inference. *Journal of Neuroscience*, 33(34), 13701-13712.
7. Rothkirch, M., Stein, T., Sekutowicz, M., & **Sterzer, P.** (2012). A direct oculomotor correlate of unconscious visual processing. *Current Biology*, 22(13), R514-R515.
8. **Sterzer, P.**, Frith, C., & Petrovic, P. (2008). Believing is seeing: expectations alter visual awareness. *Current Biology*, 18, R697-698.
9. **Sterzer, P.**, & Kleinschmidt, A. (2007). A neural basis for inference in perceptual ambiguity. *The Proceedings of the National Academy of Sciences of the USA*, 104(1), 323-328.
10. **Sterzer, P.**, Stadler, C., Krebs, A., Kleinschmidt, A. & Poustka, F. (2005). Abnormal neural responses to emotional visual stimuli in adolescents with conduct disorder. *Biological Psychiatry*, 57, 7-15.

* equal contribution