

Dr. Fabian Streit

Date of birth: 13th May 1982
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CURRICULUM VITAE

Current Position: Postdoctoral researcher, Hector Institute for Artificial Intelligence in Psychiatry (HITKIP),
Central Institute of Mental Health (CIMH), Mannheim

Education

2017 PhD in Psychobiology (*summa cum laude*), University Trier, Germany
2008 Diploma in Psychology (master's equivalent), University Trier, Germany
2001 Abitur, Gymnasium Kirchheim, Kirchheim bei München, Germany

Positions

Since 2024 Research Fellow, Hector Institute for Artificial Intelligence in Psychiatry (HITKIP), CIMH
2011 – 2024 Research Fellow, Department of Genetic Epidemiology in Psychiatry, CIMH
2008 – 2011 Guest Scientist, Department of Genetic Epidemiology in Psychiatry, CIMH
2008 – 2011 Scholarship in International Research Training Group (IRTG): "Psychoneuroendocrinology of Stress: from molecules and genes to affect and cognition", German Research Foundation (DFG; GRK 1389), University Trier
2011 – 2012 Scholarship in Graduate Program of Collaborative Research Center 636 "Learning, memory and brain plasticity: Implications for psychopathology", German Research Foundation (DFG; SFB 636-Z4)

Research fields and main work areas

- Neuronal and endocrine stress regulation
- Influence of genetic and environmental factors on psychiatric disorders and related traits
- Mental health in the German National Cohort (NAKO)
- Genomics of personality disorders

Activities in the scientific community

- Initiator and Co-Chair of the "Personality Disorders Genomics" Working Group (qimrberghofer.edu.au/pdgg)
- Member and Co-Chair (starting April 2024) of the expert group "Neurological and Psychiatric Diseases" of the German National Cohort (NAKO) (nako.de)
- Member of the Psychiatric Genomics Consortium (PGC); data receiving representative for the MDD Working Group (pgc.unc.edu)
- Member of the Pregnancy And Childhood Epigenetics Consortium (PACE)

- Reviewer for >15 scientific journals, e.g. Neuropsychopharmacology, Translational Psychiatry, Molecular Psychiatry, Biological Psychiatry, American Journal of Psychiatry

Organisation of Scientific Meetings

Since 2019	Biannual meetings with scientific presentations of the Personality Disorders Genomics Group, including in person meetings at WCPG 2019 (LA, USA) and WCPG 2023 (Montreal, Canada)
2022	Symposium: Genomics of borderline personality disorder, ESSPD 2022, virtual (together with Stephanie Witt)
2024	Symposium: Using Genetics to Understand Pathways to Mental Disorders, PuG 2024, Hamburg, Germany (together with Maja Völker)
2024	Symposium: The German National Cohort (NAKO) as a resource for mental health research, PuG 2024, Hamburg, Germany

Travel awards

- 12th World Congress of Biological Psychiatry in Athens, 2015, Glaxo Smith Kline Foundation
- 47th Annual Conference of the International Society of Psychoneuroendocrinology (ISPNE) in Zürich, 2017, Glaxo Smith Kline Foundation
- 25th World Congress of Psychiatric Genetics (WCPG) in Orlando, 2017, German Academic Exchange Service (DAAD)
- 2nd PGC Pharma industry meeting “Pathways to Drugs” by the Psychiatric Genomics Consortium (PGC), Lundbeck and iPSYCH in Copenhagen, 2018, young scientists travel award
- 26th World Congress of Psychiatric Genetics (WCPG) in Glasgow, 2018, ECIP Travel Award, International Society of Psychiatric Genetics (ISPG)
- 27th World Congress of Psychiatric Genetics (WCPG) in Los Angeles, 2019, German Academic Exchange Service (DAAD)
- 31st World Congress of Psychiatric Genetics (WCPG) in Montreal, 2023, German Academic Exchange Service (DAAD)

Funding

2024/15/01 – 2026/15/01	Multi-Omics Analysis of Borderline Personality Disorder in Postmortem Brain Tissue - 2023 NARSAD Young Investigator Grant (Nr. 31537; PI: Fabian Streit). total amount = 70,000\$ Role: PI; amount = 70,000\$
2023/08/01 – 2024/11/30	Investigation of the contribution of genetic factors to the pathogenesis of Long Covid/Post-COVID19 syndrome (EPILOC_Genetik/Genomik) – Ministry of Science, Research and Arts Baden-Württemberg; total amount: 840,713 € Role: Cooperation partner CIMH (with Stephanie Witt); amount CIMH: 107,712€
2024/03/01 – 2025/02/28	Genome-wide therapygenetic study of a large international Borderline Personality Disorder RCT - SFU Med Forschungsförderungsfonds Sigmund Freud Private University, Vienna, Austria (FFF 13/22; PI: Alexandra Schosser); 49,801 € total project costs

Role: International Co-Investigator

Teaching

University Heidelberg

MaReCuM (pre-clinic) in the subjects medical psychology and sociology

Since 2023 Lecture: „Personality and behavioural styles“

Since 2023 Seminar: „Personality and behavioural styles“

Since 2024 Seminar: „Socio-cultural models“

Master's programme “Translational Medical Research“

Since 2022 Lecture; „Psychiatric disorders: genetic hallmarks“ as part of the lecture series „Hallmarks of Disease“

Interdisciplinary Center for Neurosciences

2018 “Hair cortisol – a biomarker of HPA activation”

University Mannheim

Bachelor's degree programme in psychology

2020-2022 Lecture "Psychiatric Genetics", as part of the lecture series "Introduction to Psychiatry"

Publications

152 total / 17 first / 7 last authored. Google Scholar h-index: 42

Complete list in My Bibliography: <https://www.ncbi.nlm.nih.gov/myncbi/f..s..1/bibliography/public/>

Selected Publications

1. Lederbogen, F. *, Kirsch, P. *, Haddad, L. *, **Streit, F.**, Tost, H., Schuch, P., ... & Meyer-Lindenberg, A. (2011). City living and urban upbringing affect neural social stress processing in humans. *Nature*, 474(7352), 498-501. PMID: 21697947
2. **Streit, F. ***, Witt, S. H. *, Jungkunz, M., Frank, J., Awasthi, S., Reinbold, C. S., ... & Lieb, K. (2017). Genome-wide association study of borderline personality disorder reveals genetic overlap with bipolar disorder, major depression and schizophrenia. *Translational psychiatry*, 7(6), e1155-e1155. PMID: 28632202
3. Rietschel, L. *, **Streit, F. ***, Zhu, G., McAloney, K., Frank, J., Couvy-Duchesne, B., ... & Rietschel, M. (2017). Hair cortisol in twins: Heritability and genetic overlap with psychological variables and stress-system genes. *Scientific reports*, 7(1), 15351.
4. Wray, N. R., Ripke, S., Mattheisen, M., Trzaskowski, M., Byrne, E. M., Abdellaoui, A., ..., **Streit, F.**, ... & Viktorin, A. (2018). Genome-wide association analyses identify 44 risk variants and refine the genetic architecture of major depression. *Nature genetics*, 50(5), 668-681. PMID: 29700475
5. **Streit, F.**, Colodro-Conde, L., Hall, A. S., & Witt, S. H. (2020). Genomics of borderline personality disorder. In *Personalized psychiatry* (pp. 227-237). Academic Press.

6. **Streit, F.***, Andlauer, T. F.*, Guzman-Parra, J.*, Strohmaier, J., González, M. J., Gil Flores, S., ... & Rietschel, M. (2021). Bipolar multiplex families have an increased burden of common risk variants for psychiatric disorders. *Molecular psychiatry*, 26(4), 1286-1298. PMID: 31712721
7. **Streit, F.***, Prandovszky, E.*, Send, T., Zillich, L., Frank, J., Sabunciyar, S., ... & Yolken, R. (2021). Microbiome profiles are associated with cognitive functioning in 45-month-old children. *Brain, Behavior, and Immunity*, 98, 151-160. PMID: 34371134
8. **Streit, F.**, Witt, S. H., Awasthi, S., Foo, J. C., Jungkunz, M., Frank, J., ... & Andreassen, O. A. (2022). Borderline personality disorder and the big five: molecular genetic analyses indicate shared genetic architecture with neuroticism and openness. *Translational Psychiatry*, 12(1), 153. PMID: 35411043
9. Nenadić, I., Meller, T., Schmitt, S., Stein, F., Brosch, K., Mosebach, J., ... **Streit, F.*** & Kircher, T.* (2022). Polygenic risk for schizophrenia and schizotypal traits in non-clinical subjects. *Psychological Medicine*, 52(6), 1069-1079. PMID: 32758327
10. Mullins, N., Kang, J., Campos, A. I., Coleman, J. R., Edwards, A. C., Galfalvy, H., ..., **Streit, F.**, ... & Leboyer, M. (2022). Dissecting the shared genetic architecture of suicide attempt, psychiatric disorders, and known risk factors. *Biological psychiatry*, 91(3), 313-327. PMID: 34861974
11. Trubetskoy, V., Pardiñas, A. F., Qi, T., Panagiotaropoulou, G., Awasthi, S., Bigdeli, T. B., ..., **Streit, F.**, ... & Lazzeroni, L. C. (2022). Mapping genomic loci implicates genes and synaptic biology in schizophrenia. *Nature*, 604(7906), 502-508. PMID: 35396580
12. Schulze, A.*, **Streit, F.***, Zillich, L., Awasthi, S., Hall, A. S., Jungkunz, M., ... & Witt, S. (2023). Evidence for a shared genetic contribution to loneliness and borderline personality disorder. *Translational Psychiatry*, 13(1), 398.
13. **Streit, F.**, Zillich, L., Frank, J., Kleindam, L., Wagner, M., Baune, B. T., ... & Berger, K. (2023). Lifetime and current depression in the German National Cohort (NAKO). *The World Journal of Biological Psychiatry*, 24(10), 865-880.
14. **Streit, F.***, Völker, M. P.*, Klinger-König, J., Zillich, L., Frank, J., Reinhard, I., ... & Rietschel, M. (2023). The interplay of family history of depression and early trauma: associations with lifetime and current depression in the German national cohort (NAKO). *Frontiers in Epidemiology*, 3, 1099235.
15. Nguyen, T., Zillich, L., Cetin, M., Hall, A. S., Foo, J. C., Sirignano, L., ... & **Streit, F.** (2023). Psychological, endocrine and polygenic predictors of emotional well-being during the COVID-19 pandemic in a longitudinal birth cohort. *Stress*, 26(1), 2234060.