

Leon D. Lotter, M.D.

Curriculum Vitae

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Education

- Sep 2022 – Ongoing | **PhD in neuroscience** *Clinician Scientist Program, Max Planck School of Cognition, Germany*
Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany
- Project: Multi-level brain systems underlying typical and atypical neurodevelopment
 - Prospective supervisors: Prof. Simon Eickhoff | P.D. Dr. Juergen Dukart
- Dec 2017 – Sep 2022 | **Doctor of medicine** *Research groups Clinical Neuropsychology and Biomarker Development*
Department of Child and Adolescent Psychiatry, University Hospital RWTH Aachen, Germany
Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany
- Project: Longitudinal development of resting-state fMRI alterations in Anorexia nervosa
 - Supervisors: Prof. Kerstin Konrad | P.D. Dr. Juergen Dukart | P.D. Dr. Jochen Seitz
 - Grade: *summa cum laude*
- Oct 2014 – Nov 2021 | **Medical studies** *RWTH Aachen University, Germany*
- Elective subject: Clinical neuroscience
 - Clinical internships: Child and adolescent psychiatry (6 mos) | Adult psychiatry (1 mo) | Internal medicine (4 mos) | General surgery (4 mos)

Work Experience

- Apr 2022 – Aug 2022 | **Research assistant** *Research group Biomarker Development*
Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany
- Project: Linking cortical thickness development to multi-level brain systems
- May 2019 – Jan 2022 | **Student research assistant** *Research group Clinical Neuropsychology*
Department of Child and Adolescent Psychiatry, University Hospital RWTH Aachen, Germany
- Diverse projects involving neuroimaging and behavioral data analysis and visualization
- Sep 2013 – Aug 2014 | **Voluntary service** *Samuha Samarthya, India* | *Service Civil International, Germany*
- Program: *weltwärts*, German government-funded
 - Project: Creating barrier-free environments for people with disabilities in rural South India

Academic Contributions, Skills, and Personal Interests

- Software | **JuSpyce** A toolbox for flexible assessment of spatial associations between brain images
Tools | **ABAnnotate** A toolbox for ensemble-based multimodal gene-category enrichment analysis of human neuroimaging data
- Peer Reviews | *Journal of the American Academy of Child and Adolescent Psychiatry* | *Neuropsychopharmacology* | *Translational Psychiatry* | *Neuroimage Clinical* | *Cortex* | *Frontiers in Human Neuroscience* | *BMC Psychiatry* | *European Journal of Neuroscience*
- Programming | **Python** since 2021 (*example*) | **R** since 2020 | **Matlab** since 2019 (*example*)
- Languages | **German** native speaker | **English** professional proficiency
- Interests | **Academic** Developmental neuroscience and psychiatry | Open science | Data science and visualization
Private Climbing | Cycling | Photography

Publications and Preprints

- 2023 | Schloesser*, L., **Lotter***, L. D., Offermann, J., Borucki, K., Biemann, R., Seitz, J., Konrad, K., and Herpertz-Dahlmann, B. 2023. "Sex-dependent Clinical Presentation, Body Image, and Endocrine Status in Long-term Remitted Anorexia Nervosa". In: *medRxiv*.
- Lotter, L. D.**, Kohl, S. H., Gerloff, C., Bell, L., Niephaus, A., Kruppa, J. A., Dukart, J., Schulte-Rüther, M., Reindl, V., and Konrad, K. 2023. "Revealing the neurobiology underlying interpersonal neural synchronization with multimodal data fusion". In: *Neuroscience and Biobehavioral Reviews*.
- 2022 | Corneille, O., Carroll, H., Havemann, J., Henderson, E. L., Holmes, N. P., **Lotter, L. D.**, Lush, P., and Outa, N. 2022. "Reflecting on the use of persuasive communication devices in academic writing". In: *Zenodo*.
- 2021 | **Lotter, L. D.**, von Polier, G., Offermann, J., Buettgen, K., Stanetzky, L., Eickhoff, S. B., Konrad, K., Seitz*, J., and Dukart*, J. 2021. "Recovery-Associated Resting-State Activity and Connectivity Alterations in Anorexia Nervosa". In: *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*.
- 2020 | Pankert, K., Pankert, A., **Lotter, L. D.**, Herpertz-Dahlmann, B., and Konrad, K. 2020. "Autism Spectrum Symptoms in Children with Congenital Blindness". In: *Zeitschrift für Kinder- und Jugendpsychiatrie und Psychotherapie*.

* Equal contributions

Conference presentations

- Mar 2023 | **Meeting of the German Society for Child and Adolescent Psychiatry** *Essen, Germany*
- Poster: Linking cortical thickness development to molecular and cellular brain systems
- Mar 2023 | **Minerva Symposium: Interactive Brains - From Methods to Applications** *Tel Aviv, Israel*
- Talk: Revealing the neurobiology underlying interpersonal neural synchronization with multimodal data fusion