

# 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 | **R** since 2020 | **Matlab** since 2019
- 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

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- 2022 | **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. 2022. "Revealing the Neurobiology Underlying Interpersonal Neural Synchronization with Multimodal Data Fusion". In: *bioRxiv*.
- 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