

Leon D. Lotter, M.D.

Curriculum Vitae

✉ l.lotter@fz-juelich.de 🌐 leonlotter.de 📧 LeonDLotter 🐙 LeonDLotter
✉ leon.lotter@maxplanckschools.de 🆔 0000-0002-2337-6073 🐦 LeonDLotter 📧 Leon D. Lotter

Education

Sep 2022 – Ongoing	PhD in neuroscience <i>Clinician Scientist Program, Max Planck School of Cognition, Germany</i> <i>Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany</i> <ul style="list-style-type: none">Project: Multi-level brain systems underlying typical and atypical neurodevelopmentProspective supervisors: Prof. Simon Eickhoff P.D. Dr. Juergen Dukart
Dec 2017 – Sep 2022	Doctor of medicine <i>Research groups Clinical Neuropsychology and Biomarker Development</i> <i>Department of Child and Adolescent Psychiatry, University Hospital RWTH Aachen, Germany</i> <i>Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany</i> <ul style="list-style-type: none">Project: Longitudinal development of resting-state fMRI alterations in Anorexia nervosaSupervisors: Prof. Kerstin Konrad P.D. Dr. Juergen Dukart P.D. Dr. Jochen SeitzGrade: <i>summa cum laude</i>
Oct 2014 – Nov 2021	Medical studies <i>RWTH Aachen University, Germany</i> <ul style="list-style-type: none">Elective subject: Clinical neuroscienceClinical 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 <i>Research group Biomarker Development</i> <i>Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany</i> <ul style="list-style-type: none">Project: Linking cortical thickness development to multi-level brain systems
May 2019 – Jan 2022	Student research assistant <i>Research group Clinical Neuropsychology</i> <i>Department of Child and Adolescent Psychiatry, University Hospital RWTH Aachen, Germany</i> <ul style="list-style-type: none">Diverse projects involving neuroimaging and behavioral data analysis and visualization
Sep 2013 – Aug 2014	Voluntary service <i>Samuha Samarthya, India</i> <i>Service Civil International, Germany</i> <ul style="list-style-type: none">Program: <i>weltwärts</i>, German government-fundedProject: Creating barrier-free environments for people with disabilities in rural South India

Academic Contributions, Skills, and Personal Interests

Software Tools	JuSpyce A toolbox for flexible assessment of spatial associations between brain images ABAnnotate A toolbox for ensemble-based multimodal gene-category enrichment analysis of human neuroimaging data
Peer Reviews	<i>Journal of the American Academy of Child and Adolescent Psychiatry</i> <i>Translational Psychiatry</i> <i>Neuroimage Clinical</i> <i>Cortex</i> <i>Frontiers in Human Neuroscience</i> <i>BMC Psychiatry</i> <i>European Journal of Neuroscience</i>
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

- 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