

# Leon D. Lotter

Curriculum Vitae

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## Education

Sep 2022 – Ongoing	<b>PhD in neuroscience</b> <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"><li>Project: Linking neurotransmitter systems to typical and atypical brain development</li><li>Prospective supervisors: Prof. Simon Eickhoff   P.D. Dr. Juergen Dukart</li></ul>
Dec 2017 – Ongoing	<b>Doctor of medicine</b> <i>Research groups Clinical Neuropsychology and Biomarker Development</i> <i>Department of Child and Adolescent Psychiatry, RWTH Aachen University, Germany</i> <i>Institute of Neuroscience and Medicine: Brain and Behaviour, Research Center Juelich, Germany</i> <ul style="list-style-type: none"><li>Project: Longitudinal development of resting-state fMRI alterations in Anorexia nervosa</li><li>Supervisors: Prof. Kerstin Konrad   P.D. Dr. Juergen Dukart   P.D. Dr. Jochen Seitz</li><li>MD thesis defense: Aug 23, 2022   Grade: <i>summa cum laude</i></li></ul>
Oct 2014 – Nov 2021	<b>Medical studies</b> <i>Medical Faculty, RWTH Aachen University, Germany</i> <ul style="list-style-type: none"><li>Elective subject: Clinical neuroscience</li><li>Clinical internships: Child and adolescent psychiatry (6 mos)   Adult psychiatry (1 mo)   Internal medicine (4 mos)   General surgery (4 mos)</li></ul>

## Work Experience

Apr 2022 – Aug 2022	<b>Research assistant</b> <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"><li>Project: Linking cortical thickness development to molecular and cellular brain systems</li></ul>
May 2019 – Jan 2022	<b>Student research assistant</b> <i>Research group Clinical Neuropsychology</i> <i>Department of Child and Adolescent Psychiatry, RWTH Aachen University, Germany</i> <ul style="list-style-type: none"><li>Diverse projects involving neuroimaging and behavioral data analysis and visualization</li></ul>
Sep 2013 – Aug 2014	<b>Voluntary service</b> <i>Samuha Samarthya, India</i>   <i>Service Civil International, Germany</i> <ul style="list-style-type: none"><li>Program: <i>weltwärts</i>, German government-funded</li><li>Project: Creating barrier-free environments for people with disabilities in rural South India</li></ul>

## Academic Contributions, Skills, and Personal Interests

Software Tools	<b>JuSpyce</b> A toolbox for flexible assessment of spatial associations between brain images <b>ABAnnotate</b> 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	<b>Python</b> since 2021   <b>R</b> since 2020   <b>Matlab</b> since 2019
Languages	<b>German</b> native speaker   <b>English</b> professional proficiency
Interests	<b>Academic</b> Developmental neuroscience and psychiatry   Open science   Integrative data analysis <b>Private</b> 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*.
- 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