

Leon D. Lotter, M.D.

Curriculum Vitae

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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: Associations between neurotransmitter systems and (a)typical brain developmentProspective 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, 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">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>Medical Faculty, 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: Biological factors underlying cortical thickness developmental trajectories
May 2019 – Jan 2022	Student research assistant <i>Research group Clinical Neuropsychology</i> <i>Department of Child and Adolescent Psychiatry, RWTH Aachen University, 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 Integrative data analysis 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*.
- 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