

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 7: 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 DukartLab rotations:<ul style="list-style-type: none">Max Planck Institute of Psychiatry, Munich, Germany (Prof. Binder Dr. Spoormaker)Institute of Neuroscience and Medicine 1: Structural and functional organisation of the brain, Research Center Juelich (Prof. Amunts Prof. Dickscheid)
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 7: 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 7: 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>Neuropsychopharmacology</i> <i>Translational Psychiatry</i> <i>Neuroimage</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 Languages	Python since 2021 (<i>example</i>) R since 2020 Matlab since 2019 (<i>example</i>) 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: *European Eating Disorders Review*.
- Corneille, O., Havemann, J., Henderson, E. L., IJzerman, H., Hussey, I., Orban de Xivry, J.-J., Jussim, L., Holmes, N. P., Pilacinski, A., Beffara, B., Carroll, H., Outa, N. O., Lush, P., and **Lotter, L. D.** 2023. "Beware 'persuasive communication devices' when writing and reading scientific articles". In: *eLife*.
- Lotter, L. D.**, Saberi, A., Hansen, J. Y., Misic, B., Barker, G. J., Bokde, A. L. W., Desrivieres, S., Flor, H., Grigis, A., Garavan, H., Gowland, P., Heinz, A., Bruehl, R., Martinot, J.-L., Paillere, M.-L., Artiges, E., Orfanos, D. P., Paus, T., Poustka, L., Hohmann, S., Froehner, J. H., Smolka, M. N., Vaidya, N., Walter, H., Whelan, R., Schumann, G., Consortium, I., Nees, F., Banaschewski, T., Eickhoff, S. B., and Dukart, J. 2023. "Human cortex development is shaped by molecular and cellular brain systems". In: *bioRxiv*.
- 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*.
- 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

- Jun 2023 | **72nd Lindau Nobel Laureate Meeting (Physiology and Medicine)** *Lindau, Germany*
 - Accepted for participation as "young scientist" for the Research Centre Juelich
- Mar 2023 | **Minerva Symposium: Interactive Brains - From Methods to Applications** *Tel Aviv, Israel*
 - Invited talk: Revealing the neurobiology underlying interpersonal neural synchronization with multimodal data fusion
- 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