



ADRIAN LÜDER ASENDORF

STUDENT OF NEUROSCIENCE

ABOUT ME

Date of Birth

27.03.1996 Berlin, Steglitz.

Languages:

English (C1 advanced)

Latin (small Latinum)



INTERESTED IN:

I am truly dedicated to Neuroscience and see this clinically relevant and future-orientated field as one of the most important emerging disciplines in biomedical sciences. I am very interested in computational neuroscience and am truly fascinated by analyzing techniques for the evaluation of experimental neuronal data. Currently, I am highly invested in the field of multimodal imaging and am investigating large-scale network connectivity in the context of the dopaminergic degeneration and network resilience in Parkinson's disease.

CONTACT

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ACADEMIC CAREER

Ph.D. in the Multimodal Neuroimaging (MMNI) group, University Hospital Cologne

03.01.2022–recent: Supervisor: Univ.-Prof. Dr. Thilo van Eimeren, Dr. Merle Hönig
Dissertation: *Network dynamics of Resilience in PD.*

M.Sc. "Clinical and Experimental Neuroscience", University of Cologne

01.04.2019–31.12.21 Supervisor: Univ.-Prof. Dr. Thilo van Eimeren, Dr. Merle Hönig
Final thesis at the Multimodal Neuroimaging (MMNI) group, Cologne. Topic:
"Are disruptions in dynamic functional connectivity caused by disruptions in striatal dopamine deficiency in Parkinson's disease"

B.Sc. "Biology", University of Bonn

01.10.2015–01.04.2019 Supervisor: PD Dr. Joachim Mogdans
Topic of Bachelor thesis: "Neurobiological investigations of the tectum opticum of *carassius auratus* under hydrodynamic and visual stimulation".

WORK EXPERIENCE

Department of Nuclear Medicine, University Hospital of Cologne

01.04.21- 31.04.21 → Supervisor: Dr. Merle Hönig
Internship: Data preprocessing and neuroimaging techniques

Department of Experimental Epileptology and Cognition Research, Life & Brain Center Bonn

14.09.20- 24.12.20 → Supervisor: Dr. Tony Kelly
Internship: Performing patch clamp recordings in epileptic mouse model.

Department of Experimental Neurophysiology, University of Cologne

28.07.20-11.09.20 → Supervisor: Dr. Filomain Nguemo
Second Lab rotation: Multi array electrophysiological recordings in human Pluripotent Stem cell-derived Cardiomyocytes.

Department of Stereotactic and Functional Neurosurgery, University Hospital of Cologne

01.11.19-24.12.19 → Supervisor: Dr. Harald Treuer
First Lab rotation: Time-dependent changes in the stability of directional electrodes in deep brain stimulation

Institute for Zoology, Bonn

05.2018–12.2018 → Supervisor: Dr. Joachim Mogdans
Study assistant: Collaboration in the organization, planning and conduction of seminars, correction of exams, execution of electrophysiological experiments.

PUBLICATIONS

Dembek, T. A., **Asendorf, A. L.**, Wirths, J., Barbe, M. T., Visser-Vandewalle, V., & Treuer, H. (2020). Temporal stability of lead orientation in directional deep brain stimulation. *Stereotactic and Functional Neurosurgery*. <https://doi.org/10.1159/000510883>

CONFERENCES & AWARDS

2022 Poster presentation and awards of the poster:

"Disruptions in dynamic function connectivity caused by striatal dopaminergic deficit" at:

15-18.09.22
31.05.03.06.22
24-26.03.22

Movement disorder society (MDS) Madrid
Poster price: Retreat SFB 1451
Poster price: Deutscher Kongress für Parkinson und Bewegungsstörungen (DPD)
Alzheimer's and Parkinson's disease (ADPD) Conference Barcelona