

Curriculum Vitae

Hannah Sophie Heinrichs
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Education

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|-------------------|---|
| 09.2019 - dato | M.Sc. Cognitive-Affective Neuroscience, TU Dresden
Topic: <i>Time-dependent mechanisms of recovery of white matter coherence and hypothalamic microstructure in obese individuals and hypothalamic microstructure in obese individuals</i>
Average grade: 1.0 (ger/eng), expected graduation spring 2022 |
| 10.2018 - 09.2019 | M.Sc. Clinical Psychology and Psychotherapy, TU Dresden
Average grade: 1.1 (discontinued, ger) |
| 10.2015 - 09.2018 | B.Sc. Psychology, Bonn University
Topic: <i>Stability and plasticity of response inhibition in the stop-signal task</i>
Average grade: 1.0 (very good) (ger) |

Practical Experience

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|-------------------|---|
| 09.2020 - dato | Internship & Student Assistance at the Omega Lab, Neurology
Max Planck Institute for Human Cognitive and Brain Sciences
<i>Project on changes in resting-state functional connectivity following bariatric surgery; master thesis on DTI data; student assistance in a deep learning models for human neuroimaging</i> |
| 11.2019 - 02.2020 | Student Assistance at the Chair of Biopsychology, TU Dresden
<i>Descriptive analysis on the "Dresden Burnout Studie", preparation of feedback report</i> |
| 02.2019 - 11.2019 | Internship & Student Assistance at the Department for Cognitive Neurophysiology at University Hospital Dresden
<i>Research internship on long-term effects of metamphetamine and SSRI; project management of a study on Tourette Syndrom (TEC4Tic), cognitive and neurophysiological testing, diagnostic interviews</i> |
| 12.2018 - 03.2019 | Student Assistance Chair for Cognitive and Clinical Neuroscience, TU Dresden
<i>Project setup of attentional training study with pre-post fMRI study</i> |
| 02.2017 - 04.2017 | Clinical Internship at LVR-Clinic, Bonn
<i>Clinical internship in psychiatric units addressing school absenteeism, clinical interviews, supervision of group activities</i> |
| 02.2016 - 09.2018 | Student Assistance at Center of Evaluation and Methods
<i>Report on sector analysis of Germany's tertiary education system, and descriptive statistics of centralized course evaluation</i> |

Skills

Statistical Modeling	Proficient in R, SPSS, Matlab, and Python
Libraries	nilearn, pymc3, pandas, numpy, PsychoPy
Toolboxes	SPM, FSL
Data Acquisition	Clinical diagnostics (interviews, cognitive assessment), Cognitive tasks, Eye tracking, EEG, tDCS, MRT
Data Analysis	Computational modeling of behavior, Neuroimaging analysis of fMRI, DTI, and M/EEG, multi-level and longitudinal statistical modeling
Other Tools/Skills	Version control with git/GitHub, LaTeX, MS Office, Conda, Linux/Bash
Languages	German (native), English (C1), Swedish (B1), French (A1)

Publication

Heinrichs, H.S.*, Beyer, F.*, Medawar, E., Prehn, K., Ordemann, J., Flöel, A., & Witte, A.V. (2021). Effects of bariatric surgery on functional connectivity of the reward and default mode network: A pre-registered analysis. *Human Brain Mapping*, 42(16), 5357–5373.
<https://doi.org/10.1002/hbm.25624> (*shared first-authors)

Conferences and Talks

2021	Poster presentation at the Virtual Annual Meeting of the Organization for Human Brain Mapping (OHBM) 2021
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Scholarship

2020	Erasmus+ Exchange semester at Radboud University, Nijmegen, NL <i>Scientific programming, Signal analysis, Probability theory</i>
2017	Erasmus+ Exchange semester at Stockholm University, Stockholm, SV <i>Lifespan development, Interview methods</i>