ADINA S. WAGNER

PERSONAL INFORMATION

Born in Wolfsburg, Germany, April 9th 1994

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EDUCATION

10/2016-02/2019	**Otto-von-Guericke University Magdeburg**

M.Sc., Clinical Neuroscience

Grade: 1.1 · *with honors*
Thesis: *Catching the eye - Investigating the functional neuroanatomy of visuospatial attention with fMRI and eyegaze recordings during natural stimulation".* Grade: 1.0
Advisors: Prof. Michael Hanke & Prof. Claudia Preuschhof
Minor: Macroeconomics

10/2012-09/2016	**Technical University Braunschweig**

B.Sc., Psychology

Grade: 1.2 · *ECTS A - Among 10% best*
Thesis: *Disentangling Loneliness: A Prospective Study on Differential Effects of Loneliness Measures on Health in Adults in their Second Half of Life.* Grade: 1.0
Minor: Neurobiology
Elective: Neuropsychology, Forensic Psychology, Counseling Psychology, Rehabilitation Psychology

2004-2012	**Phoenix Gymnasium Wolfsburg**

Abitur

Grade: 1.1
Special subjects: Maths, English, German

WORK EXPERIENCE

04/2019–current	**Research Associate, Research Center Juelich**

Institute of Neuroscience and Medicine, INM-7

5-year full-time position as a research associate/Doctoral Researcher in Prof. Michael Hanke's Psychoinformatics group, with a focus on research and occasional thesis supervision in BSc and MSc students. Simultaneous work towards a Dr. rer. nat.
Reference: Prof. Michael Hanke · michael.hanke@gmail.com

10/2017–07/2018	**Statistics Tutor, OvGU Magdeburg**

Psychoinformatics Lab

Tutor for statistics for first-year Bachelor Psychology students.
Self-responsible conception and implementation of 3 hours of weekly statistics tutoring, tailored to the lecture. Initiated, planned and conducted evaluation of own teaching concept with results showing statistically significant, mostly gender-independent improvements in statistics related attitudes and expectations among students.
Reference: Prof. Michael Hanke · michael.hanke@gmail.com

10/2016–10/2018	**Research Associate, Clinic for Neurology**

Staedtisches Klinikum Braunschweig

Development and implementation of a patient study to evaluate validity of the IQCODE as a measure for early detection of Alzheimers Disease.
Reference: Julia Guenther · j.guenther@klinikum-braunschweig.de

06/2015–08/2017	**Research Assistant, TU Braunschweig**

Department for Developmental, Forensic and Personality Psychology

Research-oriented tasks, predominantly statistical evaluation of a forensic rehabilitation program for criminals (R&R; Reasoning & Rehabilitation)
Reference: Prof. Daniela Hosser · daniela.hosser@tu-bs.de

05/2013–08/2014   **Research Assistant, TU Braunschweig**

Department for Developmental, Forensic and Personality Psychology

Tasks in research and teaching, among others conception of childrens' Uni ("Warum kann das Gewissen beissen") of the TU Braunschweig, validation and re-conception of the German version of the depression-anxiety-stress scale (DASS), and tasks in the field of lie detection and emotion recognition.
Reference: Prof. Daniela Hosser · daniela.hosser@tu-bs.de

INTERNSHIPS AND RESEARCH STAYS

10/2018–02/2018   **Visiting Student, Dartmouth College**

Department for Psychological and Brain Sciences

Four-month voluntary research-stay under supervision of Prof. Yaroslav Halchenko in Prof. Jim Haxbys Lab at Dartmouth College, New Hampshire, USA. Work in the area of brain imaging, machine learning, open science/open software and software development, predominantly in a project deriving models of the neural basis of eyemovement control with searchlight-hyperalignment and Gaussian naive Bayes classification.
Reference: Prof. Yaroslav Halchenko · Yaroslav.O.Halchenko@dartmouth.edu

02/2017–03/2018   **Internship student, OvGU Magdeburg**

Department of Neuropsychology

Four-week voluntary internship under supervision of MSc Christian Kaiser in the area of neuropsychological research on the habenula via behavioral computer-based experiments and structural MRI.
Reference: MSc Christian Kaiser · christian.kaiser@ovgu.de

04/2016–07/2016   **Internship Student, Klinikum Braunschweig**

Clinic for Neurology

Thirteen-week voluntary internship under supervision of MSc Julia Guenther in the area of neuropsychlogical testing and diagnostics. This internship led to a two year contract as a research associate.
Reference: Julia Guenther · j.guenther@klinikum-braunschweig.de

09/2014–04/2015   **Visiting Student, Cambridge University**

Institute of Psychology, Subdepartment of Animal Behavior

Six-month voluntary research stay under supervision of Dr. Ljerka Ostojic in Prof. Nicky Clayton's Labs at the University of Cambridge, Institute of Psychology. Research assistance in the area of comparative psychology, especially pseudo-episodic memory and social cognition of Garrulus glandarius (Eurasian Jay) and other corvids.
Reference: Dr. Ljerka Ostojic · lo245@cam.ac.uk

05/2013-08/2014   **Internship Student, TU Braunschweig**

Department for Developmental, Forensic and Personality Psychology

Internship under supervision of Prof. Daniela Hosser in the area of forensic-psychological assessment of victims of sexual assault.
Reference: Prof. Daniela Hosser · daniela.hosser@tu-bs.de

02/2013-03/2014   **Internship Student, TU Braunschweig**

Department for Methods and Biopsychology

Research-oriented internship under supervision of BSc Florian Lange in the area of experimental psychology, with a focus on the replication of ego-depletion effects and inference.
Reference: Dr. Florian Lange · florian.lange@kuleuven.be

AWARDS AND GRANTS

03/2013-02/2019	GERMAN ACADEMIC FOUNDATION, Scholarship
09/2014-04/2015	ERASMUS PLACEMENT, Funding for research internship abroad
09/2014-04/2015	GERMAN ACADEMIC FOUNDATION, Research-Scholarship
10/2018-01/2019	GERMAN ACADEMIC FOUNDATION, Research-Scholarship
10/2016-10/2018	FORSCHUNGSGEMEINSCHAFT FUER KOGNITIVE NEUROLOGIE E.V., Research Grant

PUBLICATIONS AND POSTER

Health Psychology

Beller, J & WAGNER, A. (2018). Loneliness, Social Isolation, their Synergistic Interaction and Mortality.

InFo Neurologie & Psychiatrie

WAGNER, A, Klag, J., Toennies, E., Sennock, S., Leikeim, L. & Dodel, R. (2018). Neue Kriterien fuer die Diagnose der Demenz mit Lewy-Koerpern

Scandinavian Journal of Psychology

Lange, F., WAGNER, A., Mueller, A. & Eggert, F.(2017). Subscales of the Barratt Impulsiveness Scale differentially relate to the Big Five Factors of Personality

Journal of Ageing and Health

Beller, J. & WAGNER, A. (2017). Disentangling Loneliness: A Prospective Study on Differential Effects of Loneliness Measures on Health in Adults in their Second Half of Life.

Poster DGPs Leipzig

WAGNER, A. & Beller, J. (2016) Disentangling Loneliness: A Prospective Study on Differential Effects of Loneliness Measures on Health in Adults in their Second Half of Life.

Poster Neuro-wissen-schaffen Hamburg

WAGNER, A. & Legg, E. (2015). Seeing it their Way: Implicit Mentalizing or Attention Shifting?

SUBMITTED WORK

Behavioral Research Methods

Dar, A. H.*, WAGNER, A. S.* & Hanke, M. (submitted). REMoDNaV: Robust Eye Movement Detection for Natural Viewing. BioRxiv, https://doi.org/10.1101/619254

Journal of Open Source Software

WAGNER, A. S., Hanke, M. & Halchenko, Y. O. (submitted). multimatch_gaze: The MultiMatch algorithm for gaze path comparison in Python

IN PRESS

Chapter

Hanke, M., Mathot, S., Ort, E., Peitek, N., Stadler, J. & WAGNER, A. S. (in press) A practical guide to functional magnetic resonance imaging with simultaneous eye tracking for cognitive neuroimaging research. In S. Pollmann (Ed.) Spatial Learning and Attention Guidance, Springer.

Poster OHBM

WAGNER, A. S., Nastase, S. A., Hanke, M. & Halchenko, Y. O. (2019). Turn it sideways: A novel approach for determining the specificity of functional ROIs. OHBM 2019, Rome.

SOFTWARE, AND SOFTWARE I HAVE CONTRIBUTED TO

Own open software projects

WAGNER, A. & Hanke, M. adswa/multimatch_gaze: multimatch-gaze-v0.1 (Version v0.1). Zenodo. http://doi.org/10.5281/zenodo.2658123

Hanke, M., Dar, A. H. & WAGNER, A (2019). psychoinformatics-de/remodnav: Submission time (Version 1.0). Zenodo. http://doi.org/10.5281/zenodo.2651042

Software contributions

Markiewicz, C. J., De La Vega, A., WAGNER, A., Halchenko, Y. O., Poldrack, R. A., & Gorgolewski, K. J. (2019, February 1). poldracklab/fitlins: 0.2.0 (Version 0.2.0). Zenodo. http://doi.org/10.5281/zenodo.2555453.

Yarkoni, T., Markiewicz, C.J., de la Vega, A., Gorgolewski, K.J., Salo, T., Halchenko, Y.O., et al. (2019, February 1). bids-standard/pybids: 0.7.1 (Version 0.7.1). Zenodo. http://doi.org/10.5281/zenodo.2555449

TECHNICAL SKILLS

I developed a broad collection of software and technical skills in the wake of my association with the Psychoinformatics Lab since late 2017 through extensive use on up to a daily basis and thanks to learning one-on-one from experienced systems administrators, software developers, and data scientists.

Programming

Experience in Python (2 and 3, some of it object oriented), bash, LaTeX, R, HTML

Open Source/ Software

Experience with version control with git, collaborative software projects on Github, some contributions to larger software projects (pymvpa), own Github based software and data-analysis projects.

Data Science

Experience in generic scripting with Python (NumPy, pandas, sklearn, matplotlib, pyplot, seaborn, ...), R (lmer, brms, ez, ..., + teaching experience), SPSS, STATA (econometric modeling)

Neuroscience

Experience in scripting for neuroimaging in Python (pymvpa, sklearn, nibabel, nipype, fmriprep, fitlins, pybids, FSL)

Miscellaneous

Experience in usage of Datalad, Datalad-containers, Docker, Singularity, Singularity-Hub, Unix, Debian, zshell, vim, pycharm, reveal.js

Generic Office Skills

MS-Office, LibreOffice, Microsoft Windows, Adobe Photoshop Elements

Academic Advancement	2018 · 2nd Bayes Symposium Attendance of 4 day workshop on Bayesian Multilevel Modeling with Paul Buerkner, 30.07.-03.08.2018
Organizing committee	2018 · Brainhack Magdeburg 2018 Co-Organizer of the Brainhack Magdeburg, May 3rd-5th, part of the Brainhack Global 2018
Academic Advancement	2016-2018 · Lebenswissenschaftliches Kolleg Participation in two-year life science college of the german academic foundation in the group "Psycho- und Neurowissenschaften"
Voluntary Teaching in Talent Program	2017 · Jugendbildung in Gesellschaft und Wissenschaft e.V. Preperation and conduction of the course "Wenn die grauen Zellen schlapp machen - Neuropsychologie der Hirnerkrankungen und Hirnschaedigungen" of the JGW-Schueler Akademie Papenburg, 23. July 2017 - 03. August 2017
Expert Activities	2017 · Reviewer for the German Academic Foundation e.V
Academic Advancement	2016 · "Kolloquium Neurologische Forschung" Attendance of the 3 day colloquium from 30.09.-02.10. in the Cologne, group 'neurodegenerative diseases' under supervision of Prof. Frank Jessen
Expert Activities, Charity Committee	2015-2016 · Reviewer and committee member for the national charity project "Helfenden helfen. Fluechtlingen helfen."
Academic Advancement	2015 · Neuro-Wissen schaffen Attendence of the 3 day seminar "Neuro-Wissen schaffen", from 10.-12.06.2015 in Hamburg
Academic Advancement, Teaching	2015 · CHOICE One year training to become a certified group coach for vocational orientations for highschool students
Academic Advancement	Since 2014 · online courses on coursera.org and edx.org: · Eindhoven University of Technology: Improving your Statistical Inferences; · Microsoft: Introduction to R programming; · University of Texas: Foundations of Data Analysis Part I; · University of Texas: Foundations of Data Analysis Part II, · Harvard University: Data Analysis for Life Sciences: Statistics and R
Voluntary Work	since 2009 · Lutheranian Church Braunschweig Preperation and supervision of the three-week confirmation travel KFS of the Lutheranian Church in 2009, 2010, 2011, 2015 and since 2016 management of social media webpages
Languages	GERMAN · Mothertongue ENGLISH · Advanced (business fluent) LATIN · Latin Proficiency Certificate ITALIAN · Basic (Level A1.2)
Interests	Painting · Cooking · Running · Scuba-Diving · Reading · Skiing

June 2, 2019