

ADINA S. WAGNER

PERSONAL INFORMATION

Born in Wolfsburg, Germany, April 9th 1994

email adina.wagner@t-online.de

phone (H) 0531 60943273 · (M) 015150439923

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 neuropsychological 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

JOURNAL ARTICLES

- Journal of Open Source Software* Yarkoni, T. et al. (2019), PyBIDS: Python tools for BIDS datasets. DOI: 10.21105/joss.01294
- Journal of Open Source Software* WAGNER, A. S., Hanke, M. & Halchenko, Y. O (2019). multimatch_gaze: The MultiMatch algorithm for gaze path comparison in Python. DOI: 10.21105/joss.01525
- Journal of Vision* Mathot, S., WAGNER, A. S. & Hanke, M. (2019). Pupil size, locus coeruleus, emotional intensity, and eye movements during unconstrained movie viewing. DOI: 10.1167/19.10.252c
- Health Psychology* Beller, J & WAGNER, A. (2018). Loneliness, Social Isolation, their Synergistic Interaction and Mortality. DOI: 10.1037/hea0000605
- 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. DOI: 10.1007/s15005-017-2088-2
- 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. DOI: 10.1111/sjop.12359
- 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. DOI: 10.1177/0898264316685843

POSTER

- HBP Supercomputing Workshop* WAGNER, A. S., Dar, A.H. & Hanke, M. (2019) A Python-based Algorithm for Robust Event Detection for Eye Movements During Natural Viewing.
- OHBM 2019* 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.
- 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.
- Neuro-wissenschaften 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>
- Health Psychology* Beller, J. & WAGNER, A. S.* (submitted). Cross-cultural Effects of Loneliness: Individualism/Collectivism Moderates the Effect of Loneliness on Health

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.

TEACHING

Workshops

Data management and the BIDS data standard. Workshop for the IRTG graduate
 program of RWTH Aachen, Nov. 26th 2019

Introduction to version control with Git. Jülich Research Centre, Jul. 4th 2019

Lectures

Scalable data management. 4-month lecture series for INM-7, Juelich Research
 Centre, Autumn 2019

Inferential Statistics. One semester tutorial series for 1st year undergraduate
 Psychology students, Otto-von-Guericke Universität Magdeburg, Summer 2018

Descriptive Statistics. One semester tutorial series for 1st year undergraduate
 Psychology students, Otto-von-Guericke Universität Magdeburg, Winter/Spring
 2017/2018

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>

WAGNER, A., ... & Hanke, M. The DataLad Handbook

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>

For all of my contributions to open source software, please visit my
 Github account.

AWARDS AND GRANTS

2019	HUMAN BRAIN PROJECT EDUCATION PROGRAMME, Fee waiver based on abstract-based application for the 3rd HBP curriculum workshop series
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

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. I extended these skills with on-site and web-based software development, data analysis, and programming courses.

<i>Programming</i>	Experience in Python (2 and 3), bash, LaTeX, R, HTML
<i>Open Source/ Software</i>	Version control with Git (+ teaching), data management with DataLad, collaborative software projects on Github, contributions to large software projects (PyMVPA, fitlins, PyBIDS, DataLad, ...), own Github based software and data-analysis projects.
<i>Data Science</i>	Experience in generic scripting with Python (NumPy, pandas, sklearn, matplotlib, pyplot, seaborn, ...), R (lmer, brms, ez, ..., + teaching experience), SPSS, STATA (econometric modeling)
<i>Neuroscience</i>	Experience in scripting for neuroimaging in Python (pymvpa, sklearn, nibabel, nipy, fmrip, fitlins, pybids, FSL), basic experience with modeling and simulation with NEST and Arbor
<i>Miscellaneous</i>	Experience in usage of Datalad, Datalad-containers, Docker, Singularity, Singularity-Hub, Unix, Debian, zshell, vim, pycharm, reveal.js
<i>Generic Office Skills</i>	MS-Office, LibreOffice, Microsoft Windows, Adobe Photoshop Elements, Gimp, Inkscape

OTHER INFORMATION

<i>Academic Advancement</i>	2019 · Neurohackademy Attendance of the 14 day Neurohackademy 2019 in Seattle, WA, USA, 29.07.-09.08.2019
<i>Academic Advancement</i>	2019 · High-performance computing for neuroscience: hands-on introduction to supercomputing, tools, and applications Attendance of 3 day workshop on supercomputing usage, organized by the Human Brain Project Education Programme, 09.07.-11.07.2019
<i>Academic Advancement</i>	2018 · 2nd Bayes Symposium Attendance of 4 day workshop on Bayesian Multilevel Modeling with Paul Buerkner, 30.07.-03.08.2018
<i>Organizing committee</i>	2018 · Brainhack Magdeburg 2018 Co-Organizer of the Brainhack Magdeburg, May 3rd-5th, part of the Brainhack Global 2018
<i>Academic Advancement</i>	2016-2018 · Lebenswissenschaftliches Kolleg Participation in two-year life science college of the german academic foundation in the group "Psycho- und Neurowissenschaften"
<i>Voluntary Teaching in Talent Program</i>	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
<i>Expert Activities</i>	2017 · Reviewer for the German Academic Foundation e.V
<i>Academic Advancement</i>	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
<i>Expert Activities, Charity Committee</i>	2015-2016 · Reviewer and committee member for the national charity project "Helfenden helfen. Fluechtlingen helfen."
<i>Academic Advancement</i>	2015 · Neuro-Wissen schaffen Attendance of the 3 day seminar "Neuro-Wissen schaffen", from 10.-12.06.2015 in Hamburg
<i>Academic Advancement, Teaching</i>	2015 · CHOICE One year training to become a certified group coach for vocational orientations for highschool students
<i>Academic Advancement</i>	Since 2014 · online courses on coursera.org and edx.org: <ul style="list-style-type: none"> · 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
<i>Voluntary Work</i>	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
<i>Languages</i>	<p>GERMAN · Mothertongue</p> <p>ENGLISH · Advanced (business fluent)</p> <p>LATIN · Latin Proficiency Certificate</p> <p>ITALIAN · Basic (Level A1.2)</p>

November 9, 2019