

# JONAS OBLESER

Prof. Dr. rer. nat. habil., Dipl.-Psych., \*1975, Waiblingen, Germany  
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Chair (W3) in Physiological Psychology and Research Methods  
Department of Psychology,  
University of Lübeck, Lübeck, Germany

## RESEARCH INTEREST

- Neural Dynamics and Neural Computations in Cognition
- Auditory Perception and Auditory Cognition
- Methodological and Statistical Advances in Neuroscience
- Translational Neuroscience in Hearing Loss and Ageing

## EDUCATION

- 2015 Habilitation (venia legendi: Psychology), Dr. rer. nat. habil., University of Leipzig  
2004 Dr. rer. nat. (PhD), summa cum laude, Psychology, University of Konstanz,  
Germany (Referees: Prof. Thomas Elbert, Prof. Carsten Eulitz, Prof. Aditi Lahiri)  
2001 Diplom (MSc equivalent), Psychology, University of Konstanz, Germany  
1994 Abitur (A-Level equivalent)

## EMPLOYMENT

- 2016 Chair (W3) in Physiological Psychology and Research Methods,  
Department of Psychology, University of Lübeck, Lübeck, Germany
- 2016 **Five months of parental leave (part-time)**
- 2015 Professor (W2) in Research Methods and Statistics,  
Department of Psychology, University of Lübeck, Lübeck, Germany
- 2014 Visiting scholar,  
NYU Langone Medical Center and Nathan Kline Institute, New York, New York, USA,  
Prof. P. Lakatos
- 2013 **Six months of parental leave (full-time)**
- 2011 2015 Head of the Max Planck Research Group “Auditory Cognition”,  
Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany  
German Associate Professor-equivalent (W2), non-tenured
- 2007 2010 Senior Postdoctoral Researcher,  
Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany,  
Prof. A.D. Friederici
- 2005 2007 Research Fellow,  
Institute of Cognitive Neuroscience, University College London, UK, Prof. S.K. Scott
- 2004 2005 Postdoctoral Researcher,  
Departments of Linguistics and Psychology, University of Konstanz, Germany, Prof. A.  
Lahiri, Prof. C. Eulitz

- 2001–2003 Research assistant (PhD student),  
Department of Psychology, University of Konstanz, Germany
- 2004 Visiting scholar,  
Center for Functional and Molecular Imaging, Georgetown University School of  
Medicine, Washington, DC, USA
- 2002 Visiting scholar,  
Georgetown University, Washington, DC, USA, Prof. J.P. Rauschecker
- 1998–1999 Intern,  
Behavioural Neuroscience Research group, University of Konstanz, Germany, Prof.  
T.R. Elbert
- 1997–2001 Undergraduate research assistant,  
Psychophysiological Laboratories of the Department of Psychology, Profs. T.R. Elbert  
& B.S. Rockstroh; Department of Psychology, University of Konstanz, Germany, Prof.  
G. Trommsdorff

#### FUNDING .....

- 2016–2020 The listening challenge: How ageing brains adapt (AUDADAPT),  
ERC Consolidator Grant  
€ 2,000,000
- 2019–2021 Attending and ignoring in normal-hearing and hearing-impaired listeners  
Sivantos, Germany  
€ 185,000
- 2020–2022 Network identification and characterization of spatial attention in the listening brain  
DFG (PI: Mohsen Alavash)  
€ 380,000
- 2017–2020 Modulating neural network dynamics of speech comprehension: The role of the an-  
gular gyrus  
DFG (Co-PI: Gesa Hartwigsen, MPI Leipzig)  
€ 370,000
- 2019–2022 Understanding the temporal dynamics of the auditory attentional filter  
DFG (PI: Malte Wöstmann)  
€ 220,000
- 2019–2021 Modelling bimodal benefit  
Cochlear Inc. (Co-PI: Malte Wöstmann)  
€ 96,000
- 2016–2019 One clock? Investigating the Neurocognitive Mechanisms of Implicit and Explicit  
Timing (PI: Sophie Herbst)  
€ 150,000
- 2011–2015 Max Planck Research Group “Auditory Cognition”,  
Max Planck Society, Germany,  
€ 1,500,000

- 2012–2015 Understanding the hearing-impaired brain,  
Siemens Audiology Solutions,  
€ 120,000
- 2015–2018 Neural adaptive control in the hearing aid (NEURO-CHAT),  
Oticon Foundation (Co-PI: T. Lunner, Eriksholm)  
€ 100,000
- 2015–2016 Towards the brain-informed, brain-controlled hearing aid (BIT-CHAT),  
Volkswagen Foundation (Co-PI: T. Lunner, Eriksholm)  
€ 100,000
- 2011–2013 Investigating Semantic Networks using Dynamic Causal Modelling with MEG  
Elekta Inc. (PI: B. Maess),  
€ 100,000
- 2004–2006 Neural mechanisms of spatiotemporal coding of speech,  
Baden-Württemberg Foundation gGmbH,  
€ 50,000
- 2001–2005 Contributions to two collaborative research grants,  
German Science Foundation (SFB 471 and FOR 348; PIs: C. Eulitz, A. Lahiri),  
*including* € 100,000 for MR-compatible EEG system

FUNDING (SMALLER-SCALE SUPPORT) .....

- 2018 International Hearing Foundation (PI: Malte Wöstmann),  
€ 11,000
- 2017 Industry Support for SNAP 2017 workshop,  
Oticon Foundation, DK; Sivantos, GER; Audifon, GER; Brain Products, GER;  
€ 15,000
- 2014 Scientific Exchange Fellowship,  
Erasmus Mundus programme Auditory Cognitive Neuroscience,  
€ 7,000

APPOINTMENTS AND OFFERS .....

- 2018 Professorial Research Fellow, School of Psychology, University of Birmingham (*declined*)
- 2016 Chair (W3) in Physiological Psychology and Research Methods, Department of Psychology, University of Lübeck (*accepted*)
- 2015 Chair (W3) in Physiological Psychology, Department of Psychology, University of Bielefeld (*declined*)
- 2015 Full Professorship (W2) for Research Methods and Statistics, Department of Psychology, University of Lübeck (*accepted*)
- 2013 Associate Professorship, Department for Electrical Engineering, Technical University of Denmark (DTU), Copenhagen (*declined*)
- 2010 Head of a Max Planck Research Group (associate professor-equivalent), Max Planck Society (*accepted*)

## AWARDS AND HONOURS .....

- 2014 Young Investigator Award,  
Advances and Perspectives in Auditory Neuroscience Symposium (APAN), Washington, DC, November 2014
- 2012 Fellowship in the Mentoring programme for outstanding young scientists,  
Biopsychology section of the German Society for Psychology (DGPs)
- 2010 Associate Faculty Member,  
International Max Planck Research School “NeuroCom”
- 2004 Postdoctoral Elite Support Programme,  
Baden-Württemberg Foundation gGmbH
- 2003 Promotionspreis (PhD Award),  
Society of the University of Konstanz
- 2002 Young Investigators Award,  
13th International Conference on Biomagnetism, Jena, Germany
- 2001 PhD Scholarship (Manfred-Ulmer-Fellowship),  
Wissenschaft und Gesellschaft Foundation, Konstanz, Germany

## HONOURS FOR SUPERVISED WORKS .....

- 2019 Trainees Sarah Tune and Mohsen Alavash, University Prize, University of Lübeck,  
*awarded for their joint first-author publication in PNAS in 2019 (see Publications)*  
Trainee Lea-Maria Schmitt: G.A. Lienert Travel Fellowship,  
3 months training at Princeton University
- 2017 Trainee Malte Wöstmann: PhD award, Research Academy Leipzig  
Trainee Leonhard Waschke: G.A. Lienert Travel Fellowship,  
3 months training at USCD  
Trainee Lea-Maria Schmitt: Colin Cherry Poster Award, Speech in Noise Workshop,  
Groningen
- 2015 Trainee Lorenz Fiedler: Best Poster Award at the Entrainment of Brain Oscillations  
Workshop, Oldenburg  
Trainee Sophie Herbst: RAW 2015 non-faculty/student award at the Rovertto Attention  
Workshop
- 2014 Trainee Anna Wilsch: Erasmus Mundus Exchange Fellowship,  
10 months postdoctoral training at NYU  
Trainee Björn Herrmann: DAAD travel fellowship to attend Neuroscience 2014  
Trainee Malte Wöstmann: Colin Cherry Poster Award, Speech in Noise Workshop,  
Marseille
- 2013 PhD student Antje Strauß and Postdoc Mathias Scharinger: DAAD travel fellowships  
\*1975, Waiblingen, Germany to attend “Society for Neurobiology of Language” 2013
- 2012 Trainees Molly Henry and Björn Herrmann: Publication in the trainees-only section  
“Journal Club” in The Journal of Neuroscience
- 2012 Trainee Björn Herrmann: PhD award, Research Academy Leipzig
- 2012 PhD student Julia Erb: DAAD travel fellowship to attend Neuroscience 2012

## MEMBERSHIPS .....

- 2017 German Statistical Society (DStatG)  
 2013 Society for Psychophysiological Research  
 2012 Deutscher Hochschulverband  
 2012 Deutsche Gesellschaft für Psychologie (DGPs)  
 2011 Society for the Neurobiology of Language  
 2005 Society for Neuroscience  
 2001 Cognitive Neuroscience Society

## EDITORIAL AND REVIEW SERVICE.....

- 2019 Reviewing Editor, *eLife* (<http://elifesciences.org>)  
 2019 Reviewing Editor, *The Journal of Neuroscience* (<http://jneurosci.org>)  
 2019 Editorial Advisory Board, *Progress in Neurobiology*
- 2016 2018 Associate Editor, *The Journal of Neuroscience*  
 2016 2018 Handling Editor, *Neuroimage*  
 2015 2018 Action Editor, *Brain and Language*
- 2014 Guest Editor, *Brain and Language*; Special issue “The electrophysiology of language”  
 2014 Review Editor, *Frontiers in Human Neuroscience*  
 2010 Review Editor, *Frontiers in Psychology*
- 2006 *Reviews for International funding bodies:*  
 ERC European Research Council  
 NSF National Science Foundation,  
 NIH National Institute of Health,  
 BMBF Bundesministerium für Bildung und Forschung  
 NWO Netherlands Organisation for Scientific Research  
 Action on Hearing Loss, UK  
 FNRS Fonds de la Recherche Scientifique, Belgium  
 DFG Deutsche Forschungsgemeinschaft  
 ARO Army Research Office  
 NSERC Canadian Government  
 MRC Medical Research Council, UK (ad hoc)  
 ANR Agence Nationale de la Recherche, FR
- 2001 *Ad hoc reviews for peer-reviewed journals:*  
 Science,  
 Nature Reviews Neuroscience,  
 Trends in Cognitive Science,  
 Neuron,  
 Nature Communications,  
 Nature Human Behaviour,

Science Advances,  
Proceedings of the National Academy of Sciences (PNAS),  
eLife,  
Current Biology,  
PloS Biology,  
Brain,  
Journal of Neuroscience,  
Cerebral Cortex,  
PloS Computational Biology,  
Psychological Science,  
Scientific Reports,  
Cortex,  
NeuroImage,  
Human Brain Mapping,  
Journal of Cognitive Neuroscience,  
Phil Transact Royal Soc B,  
Journal of Neurophysiology,  
PloS One,  
Cognition,  
Journal of Neural Engineering,  
Frontiers in Neuroscience,  
Frontiers in Psychology,  
Brain and Language,  
Neuropsychologia,  
Psychophysiology,  
Brain Research,  
Physiological Measurements,  
Language and Cognitive Processes,  
European Journal of Neuroscience,  
Journal of the Acoustical Society of America,  
Journal of Neurolinguistics,  
NeuroReport,  
Neurobiology of Aging,  
Neuroscience Letters,  
Journal of Computational Neuroscience

INVITED TALKS .....

*> 60 invited talks and keynote lectures since 2005*

2019      University of Konstanz, Konstanz, D  
            Oticon Symposium 2019, Hamburg, D  
            International Graduate School of Neuroscience (IGSN), Ruhr University Bochum, D  
            International Conference on Cognitive Hearing Science for Communication  
            (CHSCOM), Linköping, Sweden

- Department of Psychology, University of Leipzig, Leipzig, D  
 Institute of Neuroscience, University of Barcelona, Spain  
 Erlanger Symposium 2019 (organised by SIVANTOS Audiology Germany)  
 Interdisciplinary Research Forum, KIND Foundation, Berlin, D  
 Speech in Noise Workshop, University of Ghent, Belgium
- 2018  
 Royal Society meeting “Attention to Sound”, Chicheley Hall, UK  
 Kavli Summer Institute in Cognitive Neuroscience, Lake Tahoe, CA  
 Cluster of Excellence “Hearing for All”, Medical University Hannover, D  
 Collaborative Research Centre “Information Density and Linguistic Encoding”,  
 University of Saarbrücken, D
- 2017  
 Department of Bioengineering, Imperial College London, UK  
 Trinity College Dublin, Ireland  
 School of Psychology, Birmingham, UK  
 Neural Oscillations in Speech and Language Processing,  
 Max Planck Society, Berlin, D
- 2016  
 Centre of Functionally Integrative Neuroscience (CFIN), University of Aarhus, DK  
 Institute of Cognitive Neuroscience, UCL, London, UK  
 University of Groningen, NL  
 F.C. Donders Centre, Nijmegen, NL
- 2015  
 Future of Hearing Symposium, Medical University of Hanover, D  
 Tübingen MEG (Magnetoencephalography) Symposium, Tübingen, D  
 Département des Neurosciences, Geneva, CH
- 2014  
 Princeton Neuroscience Institute, US  
 Tucker-Davis Symposium on Advances and Perspectives in Auditory Neurophysiology  
 (APAN), Washington, DC, US  
 Boston Hearing Research Center, Boston University, US  
 Institute of Neuroscience and Psychology, Glasgow, UK  
 Institute of Psychology, University of Salzburg, A  
 Institute of Psychology, University of Bielefeld, D  
 Institute of Psychology, University of Münster, D  
 Institute of Psychology, University of Lübeck, D  
 Berlin School of Mind and Brain (Humboldt Graduate School), D  
 Psychology and Neuroscience Department, Maastricht Brain Imaging Centre, NL  
 Tübingen Hearing Research Centre, Universität Tübingen, D
- 2013  
 5th Ageing and Speech Communication (ASC) Conference, Bloomington, Indiana,  
 US  
 Centre for Applied Hearing Research, Technical University of Denmark (DTU), DK  
 Institute of Psychology, Hamburg University, D  
 Department of Neuropsychology, University of Zürich, Zürich, CH
- 2012  
 German Society for Medical Physics (43rd Annual Meeting), Jena, D  
 Oticon Symposium, Hamburg, D  
 Clinical Neuropsychology Research Group, Klinikum Bogenhausen (Munich), D

- European Society for Cognitive and Affective Neuroscience, Marseille, FR  
 Department of Psychology, University of Oldenburg, Oldenburg, D  
 Institute of Medical Psychology, University of Frankfurt, D  
 Eriksholm Research Centre, Oticon, Helsingør, DK
- 2011 German Society for Aphasia and its Treatment, Konstanz, D  
 International Symposium on Auditory and Audiological Research (ISAAR),  
 Nyborg Strand, DK  
 Max Planck Institute for Human Development, Berlin, D  
 HEAD Seminar Series, University of Linköping, SE  
 Workshop on Speech in Noise: Intelligibility and Quality, Lyon, FR
- 2010 Department of Linguistics, University of Oxford, UK  
 Department of Psychology, University of Konstanz, D  
 Max Planck Institute for Psycholinguistics, Nijmegen, NL
- 2009 GIPSA Laboratory, Grenoble, FR
- 2008 Centre for Integrative Neuroscience, Tübingen, Germany, D  
 Institute of Cognitive Neuroscience, University College London, UK  
 Acoustics (formerly Acoustical Society of America), Paris, FR
- 2007 Department of Linguistics, University of Konstanz, D  
 Department of Linguistics, University of Potsdam, D
- 2006 F.C. Donders Centre for Cognitive Neuroimaging, Nijmegen, NL  
 Max Planck Institute for Hum Cogn Brain Sci, Leipzig, D
- 2005 Institute for Biomagnetism and Biosignal analysis, Muenster, D

ORGANISATION OF CONFERENCES, WORKSHOPS, SYMPOSIA .....

- 2019 Co-Organiser, Workshop *Replication of Crises: Psychology in Times of Epistemic Upheaval*,  
 University of Lübeck, Lübeck
- 2019 Chair of the Symposium committee, Cognitive Neuroscience Society (CNS)
- 2018 Member of the Symposium committee, Cognitive Neuroscience Society (CNS)
- 2017 Chair & Organisation, *Signal and Noise in the Auditory Pathway (SNAP) 2017*, 2-day in-  
 ternational workshop, University of Lübeck, Lübeck
- 2015 2017 Poster committee member, Cognitive Neuroscience Society (CNS)
- 2014 2017 Program committee member, Advances and Perspectives in Auditory Neuroscience  
 (APAN; annual SfN-Satellite)
- 2015 Chair, Nanosymposium *Cortical processing of complex sound*, Society for Neuroscience  
 Meeting, Chicago
- 2013 Chair & Organisation, *Hearing and Balance Social*, Society for Neuroscience Meeting,  
 San Diego  
 Chair & Organisation, *Signal and Noise in the Auditory Pathway (SNAP)*, 2-day interna-  
 tional workshop, Max Planck Institute for Human Cognitive and Brain Sciences,  
 Leipzig  
 Chair, *Alpha re-visited: Neural oscillations in human perception and cognition*, Psychologie  
 und Gehirn Meeting, Würzburg, with Christoph Herrmann



- 2010 Co-Chair, *Networks for Communication: Between human, ape, monkey and bird brains*, International Congress of Neuroethology, Salamanca, with Chris Petkov
- 2007 Chair, *Speech comprehension as a psychological process*, Tagung experimentell arbeitender Psychologen (TEAP), Trier

OTHER SELECT TALKS .....

- 2016 Psychologie und Gehirn 2016, Berlin
- 2016 Deutsche Jahrestagung für Akustik (DAG) 2016, Aachen
- 2015 Ageing and Cognition, Dortmund
- 2010 Society for Neuroscience Annual Meeting, San Diego
- 2008 Society for Neuroscience Annual Meeting, Washington, D.C.
- 2006 Society for Neuroscience Annual Meeting, Atlanta
- 2007 Tagung experimentell arbeitender Psychologen (TeaP), Trier
- 2005 Tagung experimentell arbeitender Psychologen (TeaP), Regensburg
- 2004 Tagung experimentell arbeitender Psychologen (TeaP), Gießen
- 2003 Arbeitstagung für Psychophysiologische Methodik (APM), Würzburg  
International Congress of Phonetic Sciences, Barcelona

SELECT INTERNATIONAL COLLABORATIONS .....

- 2008 Nathan Weisz, University of Trento, IT
- 2019 Christoph Kayser, Glasgow, UK and Bielefeld, D
- 2002 2006 Josef Rauschecker, Georgetown University, Washington, DC, USA
- 2006 2009 Sophie Scott, University College London, UK
- 2007 2013 Frank Eisner, Max Planck Institute for Neurolinguistics, Nijmegen, NL
- 2007 2012 Sonja Kotz, Manchester University, UK / Maastricht University, NL
- 2008 2011 Christopher Petkov, University of Newcastle, UK
- 2011 2018 Thomas Lunner, Eriksholm Research Centre, DK & University of Linköping, SE
- 2011 2017 Carolyn McGettigan, Royal Holloway, London, UK
- 2013 2016 Ed Bartlett, Purdue University, USA
- 2014 2017 Peter Lakatos, NYU / Nathan Kline Institute, US
- 2015 2018 Christiane Thiel, Oldenburg University, DE

PUBLIC OUTREACH AND MEDIA .....

- 05-2017 Invited speaker, Public science event (lecture series “Weltanschauung”), Church St. Petri, Lübeck, Germany
- 10-2016 Panelist, Public science event, Hörregion Hannover, Hannover, Germany
- 06-2016 Winner, 1st Lübeck “Rock your life” Professorial Science Slam
- 04-2016 German TV feature (“Schleswig-Holstein Magazin”, NDR) on Wöstmann et al. (2016) PNAS study and our in-ear EEG research
- 02-2015 Various German radio features (“MDR Info”, SWR) and international press coverage on Wöstmann et al. (2015) J Neurosci study

- 04-2014 Interview for 1-hour radio feature “The costs of knowledge” (SWR2, Lorenz Schroeter)
- 03-2013 German Science TV (“Nano”, 3Sat) feature on Henry & Obleser (2012) PNAS study
- 11-2012 Various German radio features (“DRadio Kultur”, “Wissen“) and international press coverage on Henry & Obleser (2012) PNAS study
- 09-2012 International press coverage on Obleser et al. (2012) J Neurosci study
- 07-2012 German radio (“DRadio Wissen”), 5-min feature on Erb et al. (2012) study
- 03-2012 German radio (“WDR3 Forum”), panel discussion on speech and hearing  
German radio (“Mephisto Leipzig”), scientific commentary on auditory processing
- 2012 Guest writer for the Public science blog “NeuroCognition” at scilogs.eu
- 02-2012 Interview for dpa [German Press Agency] on Paisley et al., PloS Biology 2012
- 08-2011 Scientific American, The Atlantic, Folha de Sao Paolo and Hürriyet report on the “Slow Science Academy”
- 10-2010 Public science talk, German Finals for the International JuniorScienceOlympics, Merseburg
- 06-2010 Public science talk, “Biotech meets Public”, Biosaxony, at the Leipzig Zoo
- 04-2010 Foundation of the “Slow Science Academy”, <http://slow-science.org>
- 08-2009 Public science talk (joint event with the Max Planck Institute for Evolutionary Anthropology) for “Science Express – Research Expedition Germany”
- 08-2008 This Week in the Journal, The Journal of Neuroscience: “Lateralization of Speech Comprehension”
- 03-2007 Wellcome Trust Media: “Making sense of the world through a cochlear implant”  
Medical Research Council News: “Tuning out: researchers make sense of background noise”  
German and Austrian Press: “Lärm aktiviert Gehirn für besseres Sprachverständnis”

## ACADEMIC SERVICE .....

- 2018 Member, Senat [University Senate], University of Lübeck
- 2018 Member, Senatsausschuss der Sektionen Naturwissenschaft und Technik [University Senate Board STEM], University of Lübeck
- 2017 2019 Member, Research Ethics Committee (IRB), University of Lübeck
- 2016 Member, Presidential Award Committee, University of Lübeck
- 2016 Deputy Member, Board of Examiners for German second doctorate (Habilitation), University of Lübeck
- 2015 Member, Board of Examiners, Department of Psychology, University of Lübeck
- 2012 15 Member, International Max Planck Research School (IMPRS), Leipzig
- 2008 10 Member of the IT liaison committee of the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig
- 2008 12 Member of the election committee for the Institute representative at the Max Planck Senate
- 2010 11 Max Planck Leadership and Management Development Programme  
Module 1: Enhancing Leadership Impact – Bilateral leadership and recruitment

- Module 2: Enhancing Leadership Impact Team management, Conflict resolution
- Module 3: Strategic development, project and process management
- Module 4: Time and self management, working methods

ACADEMIC MENTORING .....

**Sponsored postdoctoral researchers:**

- 2019 Sebastian Puschmann
- 2018 Julia Erb
- 2017 Jens Kreitewolf
- 2016 Sarah Tune
- 2015 Malte Wöstmann
- 2015 Mohsen Alavash
- 2016 2019 Michael Plöchl
- 2014 2016 Sung-Joo Lim (*next: University of Boston*)
- 2014 2016 Sophie Herbst (*next: PI on own DFG grant*)
- 2014 2015 Alex Brandmeyer (*next: Dolby Inc.*)
- 2012 2014 Björn Herrmann (*next: University of Western Ontario*)
- 2011 2014 Molly Henry (*next: University of Western Ontario*)
- 2011 2013 Mathias Scharinger (*next: PI on own DFG grant, Max Planck Institute Frankfurt*)

**Sponsored PhD students:**

- 2017 Lea-Maria Schmitt, Neural encoding of semantic predictability
- 2016 Leonhard Waschke, Auditory decision-making in the aging brain
- 2015 2018 Lorenz Fiedler, Real-time EEG of the listening brain
- 2012 2015 Malte Wöstmann, Auditory degradation and compensatory processes
- 2011 2014 Julia Erb, Neural dynamics of perceptual adaptation to degraded speech
- 2011 2014 Antje Strauß, Cognitive linguistic expectancies in degraded speech
- 2011 2014 Anna Wilsch, Working memory in degraded speech

**Co-supervised PhD students (Graduation date shown):**

- 2017 Eline Borch Petersen (Linköping), Cognitive Load in degraded hearing
- 2014 Thomas Golombek (Leipzig), TMS and speech comprehension
- 2013 Lars Meyer (Potsdam), Working Memory and Syntactic Analysis in Speech
- 2008 Ronny Hannemann (Konstanz), Event-related potentials in Deficient Speech

**Doctoral defence committees:**

- 2019 Magdalena Keppeler (Dr. med.), University of Lübeck
- 2019 Linda Drijvers (PhD), Radboud University Nijmegen
- 2019 Christina Späth (Dr. rer. hum. biol.), University of Lübeck
- 2018 Marvin Metzger (Dr. med.), University of Lübeck
- 2018 Matthias Liebrand (Dr. rer. nat.), University of Lübeck
- 2017 Jieun Song (PhD), University College London

- 2017 Macià Buades-Rotger (Dr. rer. nat.), University of Lübeck
- 2017 Giovanni di Liberto (PhD), Trinity College Dublin
- 2017 Eline Borch Petersen (PhD), University of Linköping
- 2016 Jens Meyen (Dr. med.), University of Lübeck
- 2015 Malte Wöstmann (Dr. rer. nat.), University of Leipzig
- 2015 Anna Wilsch (Dr. rer. nat.), University of Leipzig
- 2014 Marieke van der Steen (Dr. rer. nat.), University of Leipzig
- 2014 Antje Strauß (Dr. rer. nat.), University of Leipzig
- 2014 Marika Pieszek (Dr. rer. nat.), University of Leipzig
- 2014 Julia Erb (Dr. rer. nat.), University of Leipzig
- 2013 Lars Hausfeld (PhD), University of Maastricht
- 2013 Ediz Sohoglu (PhD), University of Cambridge
- 2011 Björn Herrmann (Dr. rer. nat.), University of Leipzig

**Supervision of BSc and MSc theses** in Psychology, Medical Life Sciences, Mathematics in Medicine and Life sciences, Cognitive Science, and Medical Computer Science since 2006

## LIST OF PUBLICATIONS .....

**Bibliographical Record**

⇒ [Jonas Obleser's profile at Google Scholar](#)

h-Index	<i>how many papers with at least h citations</i>	41	(Google Scholar)
i10-Index	<i>how many papers with at least 10 citations</i>	95	
Total number of citations		~ 5500	(Google Scholar)

Based on a total of		113	peer-reviewed publications
	of which as first author	22	
	of which as senior author	63	

Cumulated Journal impact factor (IF)		617	
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**Peer-reviewed publications** \**equal author contributions*

1. Waschke, L., Tune, S., & Obleser, J. (2019). Local cortical desynchronization and pupil-linked arousal differentially shape brain states for optimal sensory performance. *eLife*. 8:e51501
2. Wöstmann, M., Alavash, M., & Obleser, J., (2019). Alpha oscillations in the human brain implement distractor suppression independent of target selection. *The Journal of Neuroscience*. 39(49):9797-9805.
3. Herbst, S.K. & Obleser, J., (2019). Implicit temporal predictability enhances pitch discrimination sensitivity and biases the phase of delta oscillations in auditory cortex. *Neuroimage*. *In press*.
4. Obleser, J.\*, & Kayser, C.\* (2019). Neural entrainment and attentional selection in the listening brain. *Trends in Cognitive Sciences*. 23(11):913-926.
5. Jessen, S., Fiedler, L., Münte, T.F., & Obleser, J. (2019). Quantifying the individual auditory and visual brain response in 7- month-old infants watching a brief cartoon movie. *NeuroImage*. 202:116060.
6. Kreitewolf, J., Wöstmann, M., Tune, S., Plöchl, M., & Obleser, J. (2019). Working-memory disruption by task-irrelevant talkers depends on degree of talker familiarity. *Attention, Perception, & Psychophysics*. 81(4):1108-1118.
7. Wöstmann, M. \*, Schmitt, L.M. \*, & Obleser, J. (2019). Does closing the eyes enhance auditory attention? Eye closure increases attentional alpha-power modulation but not listening performance. *Journal of Cognitive Neuroscience*. 26:1-14.
8. Alavash, M.\*, Tune, S.\*, & Obleser, J. (2019). Modular reconfiguration of an auditory-control brain network supports adaptive listening behavior. *Proceedings of the National Academy of Sciences of the United States of America (P N A S)*. 116(2):660-669.
9. Mamashli, F., Khan, S., Obleser, J., Friederici, A.D., & Maess, B.(2018/2019). Oscillatory dynamics of cortical functional connections in semantic prediction. *Human Brain Mapping*. *In press* (doi: 10.1002/hbm.24495).

10. Fiedler, L., Wöstmann, M., Herbst, S.K., & Obleser, J. (2019). Late cortical tracking of ignored speech facilitates neural selectivity in acoustically challenging conditions. *Neuroimage*. 186:33-42.
11. Wöstmann, M., Waschke, L., & Obleser, J. (2019). Prestimulus neural alpha power predicts confidence in discriminating identical auditory stimuli. *European Journal of Neuroscience*. 49(1): 94-105.
12. Kreitewolf, J., Mathias, S.R., Trapeau, R., Obleser, J., & Schönwiesner, M. (2018). Perceptual grouping in the cocktail party: contributions of voice-feature continuity. *Journal of the Acoustical Society of America (JASA)*. 144(4):2178.
13. Wilsch, A., Henry, M.J., Herrmann, B., Herrmann, C.S., & Obleser, J., (2018). Temporal expectation modulates the cortical dynamics of short-term memory. *The Journal of Neuroscience*. 38(34), 7428-7439.
14. Herbst, S.K., Fiedler, L., & Obleser, J. (2018). Tracking temporal hazard in the human electroencephalogram using a forward encoding model. *eNeuro*. 5 (2)
15. Wöstmann, M., Vosskuhl, J., Obleser, J., & Herrmann, C. (2018). Opposite effects of lateralised transcranial alpha versus gamma stimulation on auditory spatial attention. *Brain Stimulation*. 11(4):752-758.
16. Erb, J., Ludwig, A., Kunke, D., Fuchs, M., & Obleser, J., (2019). Temporal sensitivity measured shortly after cochlear implantation predicts six-month speech recognition outcome. *Ear and Hearing*. 40(1):27-33
17. Lim, S.J., Wöstmann, M., Geweke, F., & Obleser, J. (2018). The benefit of attention-to-memory depends on the interplay of memory capacity and memory load. *Frontiers in Psychology* 9:184.
18. Tune, S., Wöstmann, M., & Obleser, J. (2018). Probing the limits of alpha power lateralization as a neural marker of selective attention in middle-aged and older listeners. *European Journal of Neuroscience*. 48(7):2537-2550.
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### Editorials and Comments

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### Book chapters

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### Conference Proceedings

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### Poster Presentations

- 2019 Society for Neuroscience Meeting, Chicago  
*Erb et al., Schmitt et al., Waschke et al.*
- 2019 Cognitive Neuroscience Society Meeting, New York  
*Plöchl et al., Schmitt et al., Wöstmann et al.*
- 2018 Society for Neuroscience Meeting, Washington, DC  
*Herbst et al., Tune et al., Waschke et al.*  
Advances and Perspectives in Auditory Neuroscience (APAN; SfN Satellite), Chicago  
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Advances and Perspectives in Auditory Neuroscience (APAN; SfN Satellite), Chicago  
*Tune et al., Wöstmann et al.*  
Signal and Noise Along the Auditory Pathway (SNAP), Lübeck  
*Alavash et al., Herbst et al., Fiedler et al., Kreitewolf et al., Plöchl et al., Sentis et al., Tune et al., Waschke et al., Wöstmann et al.*
- 2016 Society for Neuroscience Meeting, San Diego  
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Advances and Perspectives in Auditory Neuroscience (APAN; SfN Satellite), Chicago  
*Fiedler et al.*  
Cognitive Neuroscience Society Meeting, San Francisco  
*Brandmeyer et al., Lim et al., Wöstmann et al.*
- 2014 Auditory Cortex Meeting, Magdeburg  
*Brandmeyer et al., Henry et al., Herrmann et al.*  
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Society Neurobiology of Language Conference, Amsterdam

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Workshop on Speech in Noise: Intelligibility and Quality, Marseille

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Cognitive Neuroscience Society Meeting, Boston

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2013 Society for Neuroscience Meeting, San Diego

*Henry et al., Daube et al., Erb et al., Herrmann et al., Kotz et al.*

Neurobiology of Language Conference, San Sebastian

*Scharinger et al., Strauß et al.*

Rhythmic Dynamics and Cognition Conference, Boston

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Conference on Cognitive Hearing Science for Communication, Linköping

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Psychologie & Gehirn Meeting, Würzburg

*Erb et al., Wilsch et al., Herrmann et al.*

Cognitive Neuroscience Society Meeting, San Francisco

*Scharinger et al., Wilsch et al.*

Deutsche Gesellschaft für Klin. Neurophysiologie und Funkt. Bildgebung

*Golombek et al.*

2012 German Society for Aphasia and its treatment, Leipzig

*Erb et al., Meyer et al., Strauß & Obleser*

Neurobiology of Language Conference, San Sebastian

*Scharinger et al., Strauß & Obleser*

Advances and Perspectives in Auditory Neurophysiology Symposium

*Henry & Obleser*

Society for Neuroscience Meeting, New Orleans

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Auditory Cortex Annual Meeting, Lausanne

*Henry & Obleser, Herrmann et al., McGettigan et al.*

Cognitive Neuroscience Society Meeting, Chicago

*Erb et al., Henry et al., Mamashli et al., Strauß et al.*

2011 Society for Neuroscience Meeting, Washington, DC

*Scharinger et al., Bendixen et al., Jessen et al., Petkov & Obleser*

Neurobiology of Language Conference, Washington, DC

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Structuring the Argument, Paris, France

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European Society for Cognitive Psychology (ESCOP), San Sebastian, Spain

*Knoll et al.*

Human Brain Mapping Meeting, Quebec

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Cognitive Neuroscience Society Meeting, San Francisco  
*Meyer et al., Herrmann et al.*

Workshop on Speech in Noise: Intelligibility and Quality, Lyon  
*Hervais Adelman et al.*

2010 Cognitive Neuroscience Society Meeting, Montréal  
*Meyer et al.*

2009 Society for Neuroscience Meeting, Chicago  
*McGettigan et al.*

International Conference on Auditory Cortex, Magdeburg  
*McGettigan et al.*

Meeting of the Int. Soc. for Magn. Res. in Medicine (ISMRM), Hawaii  
Human Brain Mapping Meeting, San Francisco  
*Lohmann et al.*

Cognitive Neuroscience Society Meeting, San Francisco  
*Kotz et al.*

Conference on Mismatch Negativity (MMN), Budapest  
*Tuomainen et al.*

2006 Cognitive Neuroscience Society Meeting, San Francisco  
*Hannemann et al.*

International conference on Biomagnetism, Vancouver  
*Tavabi et al.*

Conference on Mismatch Negativity (MMN), Cambridge  
*Eulitz et al.*

2002 Arbeitstagung für Psychophysiologische Methodik (APM), Tübingen  
*Eulitz et al.*

2001 Cognitive Neuroscience Society Meeting, New York City  
*Eulitz et al.*

Society for Psychophysiological Research Meeting, Montréal  
*Eulitz et al.*

**Poster Presentations as first author:**

2011 Society for Neuroscience Meeting, Washington, DC

Cognitive Neuroscience Society Meeting, San Francisco

2010 Neurobiology of Language Conference, San Diego

Cognitive Neuroscience Society Meeting, Montréal

2009 Society for Neuroscience Meeting, Chicago

International Conference on Auditory Cortex, Magdeburg

2008 Society for Neuroscience Meeting, San Francisco

2007 Society for Neuroscience Meeting, New York City

2006 International Conference on Auditory Cortex, Grantham

Meeting of the Association for Research in Otolaryngology (ARO), Baltimore

2005 Society for Neuroscience Meeting, Washington, D.C.

Society for Neuroscience Meeting, New York City

2004 Human Brain Mapping Meeting, Budapest

2003 International Conference on Auditory Cortex, Magdeburg

2002 Cognitive Neuroscience Society Meeting, San Francisco

- 2001 International conference on Biomagnetism (BioMag), Jena  
 Arbeitstagung für Psychophysiologische Methodik (APM), Marburg  
 Society for Psychophysiological Research Meeting, Montréal

TEACHING .....

**Courses and Lecture series**

- 2017 Auditory Cognition  
 (MSc; 2 SWS)
- 2015 Basics of experimental psychology and research methods  
 (BSc; 4 SWS)  
 Statistics I  
 (BSc; 4 SWS)  
 Statistics II  
 (Bsc; 2 SWS)  
 Auditory Cognition  
 (MSc; 4 SWS)  
 Research Methods in Cognitive Neuroscience  
 (MSc; 2 SWS)  
 Multivariate Statistical Analyses  
 (MSc; 2 SWS)  
 Scientific communication  
 (Msc; 2 SWS)  
 Testing in psychology: Classical and probabilistic testing theory  
 (Msc; 2 SWS)
- 2013/14 General Psychology II: Learning, Memory, & Motivation, Leipzig, Psychology (BSc), 3. Semester (2 × 2 SWS)
- 2012/13 General Psychology II: Learning, Memory, & Motivation, Leipzig, Psychology (BSc), 3. Semester (2 × 2 SWS)  
 + Select sessions in parallel “General Psychology II: Attention & Emotion” seminar on “How can Attention, Motivation, and Emotion be related? (Emotion regulation)”
- 2012 Methods of Cognitive Neuroscience (Module: Methods of Psychology), with Moritz Daum, Leipzig, Psychology (BSc), 2. Semester (2 SWS)
- 2011/12 General Psychology: Learning, Memory, & Motivation, Leipzig, Psychology (BSc), 3. Semester (2 × 2 SWS)  
 + Select sessions in parallel “General Psychology II: Attention & Emotion” seminar on “How can Attention, Motivation, and Emotion be related? (Emotion regulation)”
- 2011 Methods of Cognitive Neuroscience (Module: Methods of Psychology), with Moritz Daum, Leipzig, Psychology (BSc) , 2. Semester (2 SWS)



- 2005 Neurocognition of Phonology and Morphology, with Carsten Eulitz, Linguistics (BA) and Psychology (Diplom), Konstanz  
(2 SWS)
- 2004 Neurocognition of language: Seminar, Subject Cognitive Neuroscience, with Claudia Friedrich, Psychology (Diplom), Konstanz  
(2 SWS)
- 2002 Neural systems of Cognition: Seminar, with Carsten Eulitz, Psychology, Konstanz, Biological Psychology (Vordiplom),  
(2 SWS)

**Lectures (BSc, MSc, Diplom)**

- 2016 Basics of Psychometrics and testing theory for Medical Engineers
- 2014 Basic Terminology and Structure of the Central Nervous System, BSc Psychology, University of Salzburg
- 2013 Auditory Cognition, International Max Planck Research School (IMPRS), Leipzig
- 2010 Neural Bases of Acoustic & Phonetic Processing, in the International Max Planck Research School (IMPRS), Leipzig  
Positron-Emission-Tomography, in the Methods of Cognitive Neuroscience series, Leipzig
- 2008 Localization in the brain: Acoustics, Prosody, Semantics, in the Graduate School of Mind & Brain, Berlin
- 2005 Auditory neuroscience, in the Neuropsychology lecture series, Psychology, Konstanz  
Basics of neuroimaging: MRI, fMRI, PET, in the Neuropsychology lecture series, Psychology, Konstanz
- 2004 Auditory neuroscience, in the Neuropsychology lecture series, Psychology, Konstanz  
Basics of neuroimaging: MRI, fMRI, PET, in the Neuropsychology lecture series, Psychology, Konstanz

**Journal Clubs · Colloquia**

- 2019 CBBM Neuro hour (General-interest Journal Club), Center for Brain, Behaviour, and Metabolism, University of Lübeck
- 2017 A crash course in Biostatistics (2-day seminar for Life sciences PhD students)
- 2017 Stats Café, walk-in statistical consulting for undergraduates
- 2010 2015 Speech & Sound Club, Guest Lecture series featuring international guest speakers, Leipzig
- 2005 2006 Journal Club for Speech & Neuroimaging, Institute of Cognitive Neuroscience, London
- 2002 2003 Neurolinguistics Journal Club, University of Konstanz, with Carsten Eulitz, Konstanz