
PROF. DR. KATHARINA VON KRIEGSTEIN

CURRENT POSITION

2017 – now Professor of Cognitive and Clinical Neuroscience (Chair)
Faculty of Psychology, Technische Universität Dresden, Dresden, Germany

PREVIOUS POSITIONS

2013 – 2017 Professor of Cognitive and Clinical Neurosciences,
Institute of Psychology, Humboldt University, Berlin, Germany

2009 – 2018 Group Leader, Max Planck Research Group
Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany

2004 – 2009 Postdoc (Supervisor: Prof. TD Griffiths)
Wellcome Trust Centre for Neuroimaging, University College London, UK

2001 – 2004 Research Associate (Supervisor: Prof. AL Giraud) and House Officer
Clinic for Neurology, University of Frankfurt/M., Germany

2000 – 2001 Clinical Training ('Praktisches Jahr')
National Hospital for Neurology and Neurosurgery, London, UK;
Hospital Marquez de Valdecilla, Universidad de Santander, Spain;
University Hospital Göttingen, Germany

1996 – 2000 Student Assistant (Supervisors: Prof. TC Südhof, Prof. N Brose, Prof. F Schmitz)
Molecular Neurobiology Department, Max-Planck Institute for Experimental
Medicine, Göttingen, Germany

EDUCATION

1994 – 2001 Medical School, University of Göttingen, Germany

1995 – 1997 Study of Philosophy, University of Göttingen, Germany

1993 – 1994 Studium generale at Leibniz-Kolleg, Tübingen, Germany

DEGREES

2003 Medical License ('Approbation')

2001 Dr. med., *summa cum laude*

2001 Medical Doctor ('3.Staatsexamen')

1997 Philosophy ('Zwischenprüfung')

HONOURS AND AWARDS

2015 ERC-Consolidator Grant

2009 Max Planck Research Group

2002 Award for best doctoral thesis 2001 in Experimental Medicine (University of Göttingen, Germany)

FUNDING

2020 – 2023 **DFG-Research Grant** 263 750 € (PI, Co-PI Corrina Maguinness) Neural Mechanisms of developmental prosopagnosia. German Science Foundation (DFG)

2020 – 2024 **CRC 940/3 Project A11** 276 696 € (PI together with Hannes Ruge) Does the thalamus play a role in human goal-directed behaviour? German Science Foundation (DFG)

2016 – 2021 **ERC-Consolidator Grant**, 1 999 625 € (PI), The tiny and the fast: The role of subcortical sensory structures in human communication, European Research Council (ERC)

2014 – 2021 **DFG-Research Grant** 426 684 € (PI, Co-PI Manuela Macedonia, Brian Mathias), Multisensory Second Language Learning, German Science Foundation (DFG)

- 2011 – 2017 **Erasmus Mundus Student Exchange Network, 1 450 000€** (Co-PI), Auditory Cognitive Neuroscience (ACN), European Commission
- 2009 – 2018 **Max Planck Research Group, 1 734 000 €** (PI), Neural Mechanisms of Human Communication, Max Planck Society

TEN SELECTED PUBLICATIONS

- 2019 Mihai, Moerel, de Martino, Trampel, Kiebel, *von Kriegstein*. **Elife** 8 pii: e44837. Modulation of tonotopic ventral medial geniculate body is behaviourally relevant for speech recognition (IF 7.6)
- 2018 Roswandowitz, Kappes, Obrig, *von Kriegstein*. **Brain** 141:234-247. Obligatory and facultative brain regions for voice-identity recognition. (IF 10.29)
- 2017 Müller-Axt, Anwander, *von Kriegstein*. **Current Biology** 27:3692-3698.e4. Altered Structural Connectivity of the Left Visual Thalamus in Developmental Dyslexia. (IF 8.85)
- 2015 Mayer, Yildiz, Macedonia, *von Kriegstein*. **Current Biology** 25, 530-5. Visual and motor cortices differentially support the translation of foreign language words. (IF 8.98)
- 2014 Roswandowitz, Mathias, Hintz, Kreitewolf, Schelinski, *von Kriegstein*. **Current Biology** 24, 2348-53. Two cases of selective developmental voice-recognition impairments. (IF 9.57)
- 2012 Diaz, Hintz, Kiebel, *von Kriegstein*. **PNAS** 109, 13841-6. Dysfunction of the medial geniculate body in dyslexia. (IF 9.74)
- Featured as Research Highlight in Nature Reviews Neuroscience 13, 667.
- 2011 Blank, Anwander, *von Kriegstein*. **Journal of Neuroscience** 31, 12906-15. Direct structural connections between voice and face recognition areas. (IF 7.12)
- 2008 *von Kriegstein*, Dogan, Grüter, Giraud, Kell, Kleinschmidt, Grüter, Kiebel. **PNAS** 105, 6747-52. Simulation of talking faces in the human brain improves auditory speech recognition. (IF 9.38)
- Recommended article by Faculty of 1000 <http://f1000.com/prime>
- 2006 *von Kriegstein*, Giraud. **PLOS Biology** 4, e326. Implicit multisensory associations influence voice recognition. (IF 14.10)
- 2006 Thompson, *von Kriegstein* (*joint first authorship*), Deane-Pratt, Marquardt, Deichmann, Griffiths, McAlpine. **Nature Neuroscience** 9, 1096-8. Representation of interaural time delay in the human auditory midbrain. (IF 14.81)

PUBLICATION METRICS

- h-index 34 (Google Scholar), 28 (Web of Science/Publons)
- i10-index 53
- number 68 original research articles (14 first-author, 16 co-author, 38 senior author)

COMMISSIONS OF TRUST

- 2019 Member of Search Committee, W2-Professorship at Faculty of Biology, TU Dresden, Germany
- 2016 Member of Search Committee, W2-Professorship at MPI for Psycholinguistics, Max Planck Society, Germany
- 2012 – 2017 Member of the Admission Committee ‘Berlin School of Mind and Brain’, Humboldt University, Berlin, Germany
- 2012 – 2015 Member of the Working Group ‘Female Directors’, Max Planck Society
- 2009 – 2011 Representative of Max Planck Research Group Leaders, Max Planck Society
- 2009 – 2017 Faculty Member of the International Max Planck Research School (IMPRS) on Neuroscience of Communication, <http://imprs-neurocom.mpg.de/main.html>
- 2009 – 2017 Faculty Member of the Berlin School of Mind and Brain, Humboldt University, Berlin, Germany, <http://www.mind-and-brain.de/home/>

EDITORIAL AND GRANT REVIEW SERVICE

Ad-hoc Referee for >25 international scientific journals (e.g., Brain, Current Biology, Elife, J. of Neuroscience, Nature Neuroscience, Neuron, PNAS, Science, Trends in Cog Sci)

Ad hoc Referee for >10 funding organisations (e.g., European Research Council (ERC); German Science Foundation (DFG); Human Frontiers Science Programme, France (HFSP); Medical Research Council, UK (MRC); National Science Foundation, USA (NSF); Swiss National Science Foundation (SNSF); Wellcome Trust, UK)

ORGANISATION OF SCIENTIFIC MEETINGS

- 2021 Bühler Kolloquium, Talk Series at Faculty of Psychology, TU Dresden, Germany
 2017 Symposium on recent developments in person perception, TeaP Dresden, Germany; together with C Maguinness.
- 2010 – 2015 Monthly lecture series ('Speech & Sound Club), Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany; together with J Obleser.
- 2011 First interdisciplinary retreat of the Max Planck Research Group Leaders, Ringberg Castle, Germany; together with I Kadow and S Khochfar.
- 2007 – 2008 Weekly lecture series 'brain meeting', Wellcome Trust Centre for Neuroimaging, University College London, London, UK; together with S Bengtsson.

SELECTED RECENT TALKS AT INTERNATIONAL CONFERENCES

- 2020 Conference on the Neurobiology of Mental Health, Geneva, Switzerland, Invited speaker
- 2019 23rd International Congress on Acoustics, Aachen, Germany, Invited speaker
- 2018 Conference on Electronic Speech Signal Processing, Dresden, Germany, Keynote speaker
- 2017 Berlin Interdisciplinary Workshop on Timbre, Berlin, Germany, Keynote speaker

TEACHING

- since 2017 Neuropsychology Module (Lecture and Seminar), Masters in Clinical Psychology and Psychotherapy, TU Dresden, Germany
- since 2017 Seminars on Clinical Disorders in Cognitive Neuroscience, Masters in Cognitive-Affective Neuroscience, TU Dresden, Germany
- 2014/2015 Seminar on Hereditary Cognitive Deficits, Humboldt University Berlin, Germany
- 2012/2013 Seminar on Clinical Neuropsychology and Rehabilitation, Humboldt University Berlin, Germany

SUPERVISION AND MENTORING

- 2015 – now Mentor at Max-Planck-Society Mentoring Network for Female Scientists (www.minerva-femmenet.mpg.de)
- 2010 – now Supervision of >10 postdoctoral fellows, >9 PhD students, >6 medical doctorate (Dr.med.) students and >10 bachelor and master students.

PUBLIC OUTREACH – EXAMPLES

- 2020 Mathias, [...], von Kriegstein: How can we learn foreign language vocabulary more easily? *Frontiers for Young Minds*. 8:89. doi: 10.3389/frym.2020.00089
- 2020 Wenn das Gehirn die Buchstaben verdreht. *Sächsische Zeitung*, article.
- 2019 Public Science Talk: Geheimnisse der zwischenmenschlichen Kommunikation ('Secrets of Human Communication'). Seniorenakademie, Dresden, Germany
- 2019 Kuck mal, wer da spricht. *Neue Züricher Zeitung NZZ*, article.
- 2017 Phonagnosie - wenn man Stimmen nicht erkennt. WDR 5 Leonardo, radio.
- 2016 Movement and Learning. *Sundhedsmagasinet*. Danish Broadcasting Corporation, TV broadcast.
- 2015 Für manche Menschen klingen alle Stimmen gleich. *Frankfurter Allgemeine Zeitung FAZ*, article.

- 2013 Training für den Kniehöcker - Ursachenforschung für Lese-Rechtschreib-Schwäche. Deutschlandradio Kultur, radio.
- 2012 Dyslexia Caused by Faulty Signal Processing in Brain, Science Daily, article.
- 2011 Have me met? Tracing faceblindness to its roots. New York Times, article.
- 2011 Wie das Hirn Stimmen und Gesichter verknüpft. Spiegel Wissenschaft, article.

PARENTAL LEAVES

2 periods of maternity leave (3 months each) for two children (*2010, *2013).

WEBSITE

https://tu-dresden.de/mn/psychologie/ifap/kknw?set_language=en