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**PROF. DR. KATHARINA VON KRIEGSTEIN**


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**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**

2022 – 2025 **ERA-NET Neuron Call 2021** total sum 980 439 € (coordinator), of those 281 832 € (PI) Understanding and targeting developmental dyslexia: from animal models to humans. Federal Ministry of Education and Research (BMBF) together with G Bendito-Lopez (Spain), MC Schmid (Switzerland), D Menghini (Italy)

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 – 2022 **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**, total sum 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

### SELECTED PUBLICATIONS

- 2020 Tabas, Mihai, Kiebel, Trampel, *von Kriegstein*. **Elife** 9 e64501. Abstract rules drive adaptation in the subcortical sensory pathway (IF 8.1; Altmetric 128)
- 2019 Mihai, Moerel, de Martino, Trampel, Kiebel, *von Kriegstein*. **Elife** 8 e44837. Modulation of tonotopic ventral medial geniculate body is behaviourally relevant for speech recognition (IF 7.8; Altmetric 128)
- 2018 Roswadowitz, Kappes, Obrig, *von Kriegstein*. **Brain** 141:234-247. Obligatory and facultative brain regions for voice-identity recognition. (IF 10.29, Altmetric 157)
- 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 Roswadowitz, 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 40 (Google Scholar), 29 (Web of Science/Publons)  
 number 84 total publications, 15% first author, 57% senior author, 28% co-author

### COMMISSIONS OF TRUST

- 2022 – now Vice-Dean, Faculty of Psychology, TU Dresden, Germany
- 2021 – now Member of Faculty Council, Faculty of Psychology, TU Dresden, 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 Talks, Talk Series at Faculty of Psychology, TU Dresden, Germany
- 2021 Symposium: Causal role of visual and motor cortices in the auditory translation of foreign language vocabulary following multisensory learning, TeaP Ulm, Germany; together with B Mathias.
- 2017 Symposium: 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

- 2021 NeuroCog, Louvain-la-Neuve, Belgium, Keynote speaker
- 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](http://www.minerva-femmenet.mpg.de))
- 2010 – now Supervision of >10 postdoctoral fellows, >10 PhD students, >6 medical doctorate (Dr.med.) students and many bachelor and master students

### PUBLIC OUTREACH – EXAMPLES

- 2021 Charting hidden territory of the human brain. EurekAlert! (AAAS). <https://www.eurekalert.org/news-releases/931009>
- 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.

### OPEN SCIENCE

Member of the open science initiative (OSIP) of the Faculty of Psychology of the Technische Universität Dresden, Germany (<https://tu-dresden.de/mn/psychologie/die-fakultaet/open-science>). Since ca. 2020 we started to preregister most of our studies, publish results on preprint servers, and regularly make code, stimuli, and data available on [osf.io](https://osf.io) or similar platforms.

### PARENTAL LEAVES

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

### WEBSITES

Chair of Cognitive and Clinical Neuroscience: <https://tud.link/ynhg>

Researcher ID: <https://publons.com/researcher/1363146/katharina-von-kriegstein/>