

Dr. Marcus Jeschke

GENERAL INFORMATION

Date of birth: 16.05.1980

Gender: male

Address of institution: Institute for Auditory Neuroscience & InnerEarLab
University Medical Center Göttingen
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37077 Göttingen

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Current position: Group Leader, Institute for Auditory Neuroscience, University Medical Center Göttingen and Auditory Neuroscience and Optogenetics Laboratory, German Primate Center

ACADEMIC EDUCATION

2006 – 2011 Postgraduate studies in Neuroscience
Otto-von-Guericke Universität Magdeburg, Germany

2007 – 2010 Visiting scientist at the Laboratory of Auditory Neurophysiology,
Department of Biomedical Engineering, Johns Hopkins University
School of Medicine, Baltimore, USA

2002 – 2006 Diploma studies in Neuroscience, Faculty of Natural Sciences, Otto-
von-Guericke Universität Magdeburg, Germany

2000 – 2002 Intermediate diploma in Psychology, Department of Education and
Psychology, Freie Universität Berlin, Germany

SCIENTIFIC DEGREES

2011 Dr. rer. nat (Prof. Frank Ohl) in Neuroscience, Otto-von-Guericke
Universität Magdeburg, Germany

2004 Diploma degree in Neuroscience, Faculty of Natural Sciences, Otto-
von-Guericke Universität Magdeburg, Germany

2002 Intermediate diploma in Psychology, Psychology, Department of
Education and Psychology, Freie Universität Berlin, Germany

PROFESSIONAL CAREER AFTER COMPLETING DEGREE

Since 2018 Group Leader, Institute for Auditory Neuroscience, University
Medical Center Göttingen and Auditory Neuroscience and
Optogenetics Laboratory, German Primate Center

2013 – 2018 Postdoctoral Fellow, Institute for Auditory Neuroscience &
InnerEarLab, University Medical Center Göttingen (Prof. Dr. Tobias

2011 – 2013 Moser)
Postdoctoral Research Fellow at the Leibniz Institute for
Neurobiology, Magdeburg; Dpt. Systems Physiology of Learning
(Prof. Dr. Frank W. Ohl)

MISCELLANEOUS

Fellowships, Awards and Honors

2005 Faculty's prize for the best graduation of the Faculty for Natural
Science

SELECTED PUBLICATIONS (*with scientific assurance*)

- 1) Diepenbrock*, J.P., **Jeschke*, M.**, Ohl, F.W., Verhey, J. Comodulation masking release in the inferior colliculus by combined signal enhancement and masker reduction. **J Neurophysiol.**, 117(2): 853-867, 2016.
- 2) **Jeschke M.** & Moser, T. Considering optogenetic stimulation for cochlear implants. **Hear Res.** 322:224–234, 2015.
- 3) Hernandez, V.H., Gehrt, A., Reuter, K., Jing, Z., **Jeschke, M.**, Mendoza Schulz, A., Hoch, G., et al. Optogenetic Stimulation of the Auditory Pathway. **Journal of Clinical Investigation.**, 124(3): 1114–29, 2014.
- 4) Happel*, M. F. K., **Jeschke*, M.**, & Ohl, F. W. Spectral integration in primary auditory cortex attributable to temporally precise convergence of thalamocortical and intracortical input. **J. Neurosci.**, 30(33): 11.114-11.127, 2010.
- 5) **Jeschke, M.**, Lenz, D., Budinger, E., Herrmann, C. S., & Ohl, F. W. Gamma oscillations in gerbil auditory cortex during a target-discrimination task reflect matches with short-term memory. **Brain Res.**, 1220: 70-80, 2008.

* - shared first authorship