Dr. Marcus Jeschke

GENERAL INFORMATION

Date of birth:	16.05.1980
Gender:	male

Address of institution:	Institute for Auditory Neuroscience & InnerEarLab Robert-Koch-Str. 40 37075 Göttingen Auditory Neuroscience Associated Group German Primate Center Leibniz Institute for Primate Research Kellnerweg 4, 37077 Göttingen
Tel.:	+49 (0)551 3851 209
E-mail:	mjeschkedpz.eu

Current position:	Junior Group Leader “Cognitive Hearing in Primates” Institute for Auditory Neuroscience & InnerEarLab, German Primate Center

ACADEMIC EDUCATION

2000 – 2006	Diploma studies in Psychology and Neuroscience

SCIENTIFIC DEGREES

2011	PhD, Leibniz Institute for Neurobiology Magdeburg

PROFESSIONAL CAREER AFTER COMPLETING DEGREE

Since 2018	Junior Group Leader, German Primate Center
2013 – 2018	Postdoctoral Fellow, Institute for Auditory Neuroscience & InnerEarLab, University Medical Center Göttingen
2011 – 2013	Postdoctoral Fellow, Department of Systems Physiology of Learning, Leibniz Institute for Neurobiology Magdeburg
2007 – 2011	Guest scientist Laboratory of Auditory Neurophysiology (Prof. Dr. Xiaoqin Wang), Department of Biomedical Engineering, Johns Hopkins University School of Medicine, Baltimore, USA

MISCELLANEOUS

Fellowships, Awards and Honors

2006	Faculty prize / Faculty of Natural Science, Otto-von-Guericke University Magdeburg

SELECTED PUBLICATIONS *(with scientific assurance)*

1. Happel* MFK., Jeschke* M ., & Ohl FW. Spectral integration in primary auditory cortex attributable totemporally precise convergence of thalamocortical and intracortical input. J. Neurosci., 30(33): 11.114-11.127, 2010. * Equal contribution.
2. Hernandez VH, Gehrt A, Reuter K, Jing Z, Jeschke M, Mendoza Schulz A, Hoch G, Bartels M, Vogt G, Garnham CW, Yawo H, Fukazawa Y, Augustine GJ, Bamberg E, Kügler S, Salditt T, de Hoz, L, Strenzke N, Moser T (2014) Optogenetic stimulation of the auditory pathway. J Clin Investigation, 124(3): 1114-29.
3. Wrobel C, Dieter A, Huet A, Keppeler D, Duque-Afonso C, Vogl C, Hoch, Jeschke * M , Moser T (2018) Optogenetic stimulation of cochlear neurons activates the auditory pathway and restores auditorydriven behavior in deaf adult gerbils. Sci Translat Med, 10, eaao0540. * Shared senior authorship.
4. Dieter A, Duque Afonso CJ, Rankovic V, Jeschke * M , Moser T (2019) Near physiological spectral selectivity of cochlear optogenetics. Nat Commun, 10: 1962. * Shared senior authorship.
5. Kleinlogel* S, Vogl* C, Jeschke * M , Neef J, Moser T (2020) Emerging approaches for restoration of hearing and vision. Physiological Reviews, Available at: https://journals.physiology.org/doi/10.1152/physrev.00035.2019 . * Equal contribution.