

Prof. Dr. med. Tobias Moser

GENERAL INFORMATION

Date of birth: 24.03.1968

Gender: male

Address of institution: Institute for Auditory Neuroscience
University Medical Center Göttingen
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Current position: Professor (W3) of Auditory Neuroscience, Director Institute for Auditory Neuroscience, University Medical Center Göttingen.

ACADEMIC EDUCATION

1990 – 1994 Medical Training, University of Jena.

1988 – 1990 Medical Training, University of Leipzig

SCIENTIFIC DEGREES

2003 Habilitation, Otolaryngology, University Medical Center Göttingen (Prof. W. Steiner).

1995 Medical degree (Dr. med.), University of Jena (Prof. C. Steinhäuser, Prof. Erwin Neher).

PROFESSIONAL CAREER AFTER COMPLETING DEGREE

Since 2015 Founding Director, Institute for Auditory Neuroscience, UMG
Joint appointment Dept. of Otolaryngology, UMG

Since 2007 Professor of Auditory Neuroscience, University Medical Center Göttingen.

Since 2005 Associate Professor of Experimental and Clinical Audiology, University Medical Center Göttingen (tenured, 2007).

Since 2001 Research Group Leader, Department of Otolaryngology, University Medical Center Göttingen.

1997 – 2002 Residency in Otolaryngology, Department of Otolaryngology, University Medical Center Göttingen, Board Certification in 2002.

1997 – 2000 Junior Research Group Leader, Dept. of Membrane Biophysics, Max Planck Institute for Biophysical Chemistry, Göttingen.

1994 – 1997 Postdoctoral Fellow, Department of Membrane Biophysics, Max Planck Institute for Biophysical Chemistry, Göttingen.

MISCELLANEOUS

Fellowships, Awards and Honors (Selected)

2016	Member Leopoldina, German National Academy of Sciences
2015	Fellow of the Max-Planck-Society
2015	ERC advanced grant “OptoHear”
2015	Gottfried Wilhelm Leibniz Award of the German Research Foundation
2009	Fernandez-Lindsay Lecture, University of Chicago.
2005	Habilitation Award of the School of Medicine, University of Göttingen.
2004	Human Frontier Science Program (HFSP) grant award.
2004	Meyer-zum-Gottesberge Award of the German Society for Audiology.
1997	Marius-Tausk Award of the German Society for Endocrinology.
1996	Thesis Award 1996 of the University of Jena.
1993	Fellow of the “Studienstiftung des deutschen Volkes”.

Further Scientific Activities (Selected)

Since 2013	President of the German Society for Audiology.
Since 2011	Coordinator of the Collaborative Research Center 889 “Cellular Mechanisms of Sensory Processing”.
Since 2007	Coordinator of the Sensory and Motor Neuroscience PhD program and board member of the Göttingen Graduate School for Neurosciences, Biophysics, and Molecular Biology (GGNB).

SELECTED PUBLICATIONS (*with scientific assurance*)

- 1) Jung S, Maritzen T, Wichmann C, Jing Z, Neef A, Revelo NH, Al-Moyed H, Meese S, Wojcik SM, Panou I, Bulut H, Schu P, Ficner R, Reisinger E, Rizzoli SO, Neef J, Strenzke N, Haucke V, **Moser T** (2015) Disruption of adaptor protein 2 μ (AP-2 μ) in cochlear hair cells impairs vesicle reloading of synaptic release sites and hearing. **EMBO J**. 34: 2686–2702
- 2) Wong AB, Rutherford MA, Gabrielaitis M, Pangršič T, Göttfert F, Frank T, Michanski S, Hell S, Wolf F, Wichmann C, **Moser T** (2014) Developmental refinement of hair cell synapses tightens the coupling of Ca²⁺ influx to exocytosis. **EMBO J**, 33,247-64.
- 3) Frank T, Rutherford MA, Strenzke N, Pangrsic T, Khimich D, Fejtova A, Gundelfinger ED, Liberman MC, Harke B, Bryan KE, Lee A, Egner A, Riede, D, **Moser T** (2010). Bassoon and the synaptic ribbon organize Ca²⁺ channels and vesicles to add release sites and promote refilling. **Neuron** 68: 724–738.
- 4) Meyer AC, Frank T, Khimich D, Hoch G, Riedel D, Chapochnikov NM, Yarin YM, Harke B, Hell S, Egner A, **Moser T** (2009) Tuning of synapse number, structure and function in the cochlea. **Nat Neurosci** 12:444-453.
- 5) Khimich D, Nouvian R, Pujol R, tom Dieck S, Egner A, Gundelfinger ED, **Moser T** (2005) Hair Cell Synaptic Ribbons are Essential for Synchronous Auditory Signaling. **Nature** 434: 889-94.