Prof. Dr. rer. nat. Carolin Wichmann

GENERAL INFORMATION

Date of birth:	18.07.1973
Gender:	female
Address of institution:	Molecular Architecture of Synapses Group Center for Biostructural Imaging of Neurodegeneration (BIN) Institute for Auditory Neuroscience University Medical Center Göttingen Von-Siebold-Straße 3a 37075 Göttingen
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Current position:	Professor for “Molecular Ultrastructure of Synapses” at the Institute for Auditory Neuroscience, University Medical Center Göttingen

ACADEMIC EDUCATION

1999 – 2002	Doctoral studies, Institute for Microbiology and Genetics, University of Göttingen (Prof. Dr. F. Mayer)
1993 – 1999	Studies of Biology (Diploma), University of Göttingen

SCIENTIFIC DEGREES

2002	Dr. rer. nat., Institute for Microbiology and Genetics, University of Göttingen (Prof. Dr. F. Mayer)

PROFESSIONAL CAREER AFTER COMPLETING DEGREE

Since 12/ 2016	W2 Professorship “Molecular Ultrastructure of Synapses” at the Institute for Auditory Neuroscience, University Medical Center Göttingen
2011 - 2016	Group Leader in the InnerEarLab, University Medical Center Göttingen (Group: Molecular Architecture of Synapses), Department of Otolaryngology (since January 1st 2015: Institute for Auditory Neuroscience)
2010 – 2011	Research Associate, Freie Universität Berlin (Prof. Dr. Stephan J. Sigrist)
2008 – 2010	Research Associate at the Charité Berlin (Prof. Dr. Stephan J. Sigrist)
2006 – 2008	Research Associate, Bio-Imaging Center, University of Würzburg (Prof. Dr. Stephan J. Sigrist)
2005 – 2006	Research Associate at the Clinical Neurobiology, University of Würzburg (Prof. Dr. Manfred Heckmann/Prof. Dr. Stephan J. Sigrist)

2002 – 2005	Research Associate at the European Neuroscience Institute (ENI), Göttingen (Dr. Stephan J. Sigrist)

MISCELLANEOUS

Fellowships, Awards and Honors

1999-2002	Stipend for Ph.D. thesis, graduate school of the University of Göttingen: „Chemische Aktivitäten von Mikroorganismen“
2011	Developmental award for female postdocs and group leaders of the CRC 889 “Cellular Mechanisms of Sensory Processing”

Further Scientific Activities (selected)

Since 06/2015	Board member of “Sensory and Motor Neuroscience” Program, Göttingen Graduate School for Neuroscience, Biophysics and Molecular Biosciences
Since 10/2015	Member of the ARO
May 2017	Participation in “Advanced workshop in Cryo-Electron tomography”, Vienna, Nexperion and Biocenter, Vienna

SELECTED PUBLICATIONS *(with scientific assurance)*

1) Strenzke N[#*], Chakrabarti R[*], Al-Moyed H[*], Müller A, Hoch G, Pangrsic T, Yamanbaeva G, Lenz C, Pan K-T, Auge E, Geiss-Friedlander R, Urlaub H, Brose N, **Wichmann C**[#], Reisinger E[#] **(2016)** Hair cell synaptic dysfunction, auditory fatigue and thermal sensitivity in otoferlin Ile515Thr mutants. **EMBO J** 35, 2519-2535.

2) Jung S*, Oshima-Takago T*, Chakrabarti R[§], Wong AB[§,], Jing S, Yamanbaeva G, Picher MM, Wojcik SM, Göttfert F, Predoehl F, Michel K, Hell SW, Schoch S, Strenzke N[#] , **Wichmann C**[#], Moser T[#] **(2015)**. Rab3-interacting molecules 2α and ß (RIM2α and RIM2ß) promote the abundance of voltage gated $Ca_V1.3$ Ca^{2+} channels at hair cell active zones. **PNAS** 112:E3141-9.

3) Vogl C[#], Cooper BH, Neef J, Wojcik SM, Reim K, Reisinger E, Brose N, Rhee JS, Moser T[#], **Wichmann C**[#] **(2015)**. Unconventional molecular regulation of synaptic vesicle replenishment in cochlear inner hair cells. **J Cell Science**, 128, 638-44.

4) Mendoza-Schulz A, Jing Z, Sánchez Caro JM, Wetzel F, Dresbach T, Strenzke N[#], **Wichmann C**[#]**,** Moser T[#] **(2014).** Bassoon-disruption slows vesicle replenishment and induces homeostatic plasticity at a CNS synapse. **EMBO J** 33:512-27.

5) 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 Ca^{2+} influx to exocytosis. **EMBO J** 33, 247-64.