

Curriculum Vitae

Personal Information

Last Name: **Willem**
First Name: **Michael**
Personal Address: Christoph-Rapparini-Bogen 18, 80639 München, Germany
Date and Place of Birth: May 13th, 1968. Landau in der Pfalz, Germany
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Qualifications

1. 2009: Habilitation at the Medical Faculty, University of Munich (LMU), Germany
2. 1996: Ph. D. in Biology, University of Munich (LMU), Germany
3. 1993: Diploma in Biology, University of Munich (LMU), Germany
4. 1987: Diploma of Graduation, Max-Slevogt Gymnasium Landau, Germany

Education

2009: **Habilitation**, Medical Faculty University of Munich (LMU), Germany
Since 2009: **Assistant Professor**, Medical Faculty University of Munich (LMU), Germany
2003-2009: **Group leader**, Medical Faculty University of Munich (LMU), Germany
2000-2003: **Post-doc**, Medical Faculty University of Munich (LMU), Germany
1997-2000: **Post-doc**, Max-Planck-Institute for Biochemistry, Martinsried, Germany
1997: **Post-doc**, Friedrich-Miescher-Institute, Basel, Switzerland
1993 - 1996: **Ph.D Biological Sciences**, Faculty of Biology, University of Munich, Germany
Experimental thesis entitled „Specific overexpression of neurotrophic factors in muscle“; Experimental work in the laboratory of Prof. Dr. Hans Thoenen, Max-Planck-Institute for Neurobiology, Martinsried, Germany
1987 - 1993: **Diploma degree in Biological Sciences**, University of Munich, Germany
Experimental work in the laboratory of Prof. Dr. Hans Thoenen, Max-Planck-Institute for Neurobiology, Martinsried
1974 - 1987: School education completed in Landau/Pfalz, Germany
Qualification: Diploma of graduation; Max-Slevogt Gymnasium Landau

Professional Career

- Since 03/2000: Post Doctoral position at the Ludwig-Maximilians-Universität, München in the Department of Biochemistry, Laboratory for Neurodegenerative Disease Research (Prof. C. Haass). Research project: Physiological function of the beta-secretase BACE1
- 10/1997 - 03/2000: Post Doctoral position at the Max-Planck-Institut für Biochemie, Martinsried in the group of Dr. U. Mayer; Research project 1: “The role of alpha7-Integrin in myotendinous junctions”; Research project 2: “The interaction of Laminin and Nidogen during branching morphogenesis of kidney and lung”
- 01/1997 - 09/1997: Post Doctoral at the Friedrich-Miescher Institute in Basel in the laboratory of Prof. Pico Caroni; Project: The role of agrin in synaptic development

Research Interests

- Alzheimer’s disease
- Schizophrenia and Autism
- Multiple sclerosis and neuroimmunology
- Structure and function of extracellular matrix proteins and their interactions
- Muscular dystrophy and motoneuron diseases

Funding and Grants

- 2013-2018: Haass, **ERC** Senior scientist grant, Identification of a novel APP processing pathway (Michael Willem)
- 2008-2012: Haass, Lammich, Willem: **SFB569 B9**; Regulation of β -secretase (BACE1) and α -secretase (ADAM10)
- 2008-2012: **NGFN Plus** “The physiological function of BACE1 - is BACE1 a safe therapeutic target?”
- 2008-2011: **HELMA**, WP 10 “Effect of Neprilysin overexpression on transgenic AD mice”
- 2007-2010: Haass & Willem: **Virtual Helmholtz Institute**: Proteolysis of NRG1 by BACE1
- 2005-2007: DFG **HA 1737/10-2**; Haass & Willem: „Reduktion der Amyloid-Plaques-Akkumulation durch mikrogliale Neprilysin-Expression in einem transgenen Mausmodell der Alzheimer-Pathologie”
- 2005: Haass & Willem: Doktorandenprogramm **FöFoLe** der LMU: Shedding von Neuregulin-1 durch Alzheimer relevante Sekretasen
- 2005: Haass & Willem: Doktorandenprogramm **FöFoLe** der LMU: Regulation von BACE1 in Trisomie 21

Academic Achievements

- 1999: Poster award of the German Connective Tissue Society
- 1997: Stipend of the Swiss Foundation for Muscle Research