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Curriculum vitae

since 2015	Professor (W3), Neurobiology, Institute for Biology, Freie Universität Berlin and NeuroCure Cluster of Excellence, Charité - Universitätsmedizin Berlin
2012 - 2015	Associate Professor with tenure, UT Southwestern Medical Center, Dallas, TX, USA
2006 - 2012	Assistant Professor tenure-track, Department of Physiology and Green Center for Systems Biology, Eugene McDermott Scholar in Biomedical Research UT Southwestern Medical Center, Dallas, TX, USA
2002 - 2006	HHMI Research Associate, Baylor College of Medicine, Houston, TX, USA
2000 - 2002	EMBO Postdoctoral Fellow, Baylor College of Medicine, Houston, TX, USA
1997 - 2000	Doctoral thesis (Dr. rer. nat., Advisor: Prof. Dr. K.-F. Fischbach), Albert-Ludwigs-Universität Freiburg

Research fields

Our group is active in the field of cellular and molecular neurobiology with the following foci:

- Synapse specification and brain wiring
- Synapse maintenance and neurodegeneration

Activities in the scientific community, honors, awards

2015-2016	Wellcome Trust Expert Review and Interview Panels (UK)
2012-2014	NIH/NDPR Study Section Member (USA)
2011-2013	NSF Study Section Member (USA)
2008	March of Dimes Basil O'Connor Starter Scholar Award 2008
2007	American Federation for Aging Research Junior Faculty Research Grant Award
2006	Endowed Scholar New Faculty Award, UT Southwestern Medical Center at Dallas
2000	EMBO Long-Term Fellowship

Selected publications

Ozel MN, Langen M, Hassan BA, Hiesinger PR. Filopodial dynamics and growth cone stabilization in *Drosophila* visual circuit development. *Elife*. 2015;4.

Langen M, Agi E, Altschuler DJ, Wu LF, Altschuler SJ, Hiesinger PR. The Developmental Rules of Neural Superposition in *Drosophila*. *Cell*. 2015;162(1):120-33.

Hassan BA, Hiesinger PR. Beyond Molecular Codes: Simple Rules to Wire Complex Brains. *Cell*. 2015;163(2):285-91.

Wang D, Epstein D, Khalaf O, Srinivasan S, Williamson WR, Fayyazuddin A, Quioco FA, Hiesinger PR. Ca²⁺-Calmodulin regulates SNARE assembly and spontaneous neurotransmitter release via v-ATPase subunit V0a1. *J Cell Biol.* 2014;205(1):21-31.

Cherry S, Jin EJ, Ozel MN, Lu Z, Agi E, Wang D, Jung WH, Epstein D, Meinertzhagen IA, Chan CC, Hiesinger PR. Charcot-Marie-Tooth 2B mutations in rab7 cause dosage-dependent neurodegeneration due to partial loss of function. *Elife.* 2013;2:e01064.

Haberman A, Williamson WR, Epstein D, Wang D, Rina S, Meinertzhagen IA, Hiesinger PR. The synaptic vesicle SNARE neuronal Synaptobrevin promotes endolysosomal degradation and prevents neurodegeneration. *J Cell Biol.* 2012;196(2):261-76.

Chan CC, Scoggin S, Wang D, Cherry S, Dembo T, Greenberg B, Jin EJ, Kuey C, Lopez A, Mehta SQ, Perkins TJ, Brankatschk M, Rothenfluh A, Buszczak M, Hiesinger PR. Systematic discovery of Rab GTPases with synaptic functions in *Drosophila*. *Curr Biol.* 2011;21(20):1704-15.

Williamson WR, Yang T, Terman JR, Hiesinger PR. Guidance receptor degradation is required for neuronal connectivity in the *Drosophila* nervous system. *PLoS Biol.* 2010;8(12):e1000553..

Williamson WR, Wang D, Haberman AS, Hiesinger PR. A dual function of V0-ATPase a1 provides an endolysosomal degradation mechanism in *Drosophila melanogaster* photoreceptors. *J Cell Biol.* 2010;189(5):885-99.

Hiesinger PR, Hassan BA. Genetics in the age of systems biology. *Cell.* 2005;123(7):1173-4.

Hiesinger PR, Fayyazuddin A, Mehta SQ, Rosenmund T, Schulze KL, Zhai RG, Verstreken P, Cao Y, Zhou Y, Kunz J, Bellen HJ. The v-ATPase V0 subunit a1 is required for a late step in synaptic vesicle exocytosis in *Drosophila*. *Cell.* 2005;121(4):607-20.