

Chris J. Dallmann

Neurobiology and Genetics, University of Würzburg

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Research Interests	Motor control, proprioception, descending pathways, <i>Drosophila</i>
Education	PhD Neuroscience (summa cum laude), 01/2019 Bielefeld University, Bielefeld, Germany MSc Neurobiology and Behavior , 10/2013 Bielefeld University, Bielefeld, Germany BSc Biomimetics , 02/2011 University of Applied Sciences Bremen, Bremen, Germany
Employment and Research Experience	University of Würzburg , Würzburg, Germany Postdoctoral fellow, Advisor J. M. Ache, 05/2023–Present University of Washington , Seattle, WA Postdoctoral fellow, Advisor J. C. Tuthill, 04/2018–04/2023 Bielefeld University , Bielefeld, Germany Graduate researcher, Advisor J. Schmitz, 11/2013–03/2018 Research assistant, Advisor M. O. Ernst, 07–09/2013 Research assistant, Advisor J. Schmitz, 10/2012–04/2013 University of California at Berkeley , Berkeley, CA Visiting Student Researcher, Advisor R. J. Full, 07–09/2012 and 10/2009–03/2010 University of Applied Sciences Bremen , Bremen, Germany Research assistant, Advisor A. B. Kesel, 03–09/2011
Fellowships and Awards	Marie Skłodowska-Curie Postdoctoral Fellowship, 2023–2025 German Research Foundation Postdoctoral Fellowship, 2020–2022 Raymond and Beverly Sackler Postdoctoral Scholarship, 2018–2020 Best Talk Award, Arthropod Neuroscience Network Meeting, 2016 German National Scholarship, 2013 PROMOS Travel Scholarship, 2012
Publications	18 peer-reviewed publications 1 manuscript in review, 1 manuscript in preparation >620 citations, h-index = 14 [Google Scholar] [ORCID 0000-0002-4944-920X]

Selected Publications	Dallmann CJ, Luo Y, Agrawal S, Mamiya A, Chou GM, Cook A, Sustar A, Brunton BW, Tuthill JC (2025). Selective presynaptic inhibition of leg proprioception in behaving <i>Drosophila</i>. Nature, in press. Dallmann CJ*, Karashchuk P*, Brunton BW, Tuthill JC (2021). A leg to stand on: computational models of proprioception. Curr. Opin. Physiol. 22, 100426. *Co-first authors. Dallmann CJ, Hoinville T, Dürr V, Schmitz J (2017). A load-based mechanism for inter-leg coordination in insects. Proc. R. Soc. B 284, 20171755.
Invited Talks	University of Cologne, Seminars in Neuroscience, 11/2024 Arthropod Neuroscience Network, 01/2024 Society for Integrative and Comparative Biology Annual Meeting, 01/2023 University of Würzburg, Würzburg Insect Research Colloquium, 07/2022
Selected Conferences	Computing Cords, Janelia Research Campus, Ashburn, VA, 10/2025, Talk International Congress for Neuroethology, Berlin, Germany, 07/2024, Poster Circuits for Movement, Rungset Kyst, Denmark, 06/2024, Talk Society for Neuroscience Annual Meeting, Washington, D.C., 11/2023, Poster Motor Control: Spinal Circuits and Beyond, St. Andrews, UK, 06/2023, Talk
Mentoring	Currently co-supervising 1 PhD thesis and two MSc theses Previously co-supervised 1 PhD thesis, 2 MSc theses, 2 BSc theses, 3 rotation students; supervised 1 research assistant
Teaching	Guest lecture on neural control of movement, MSc course “Neurogenetics of Behavior”, University of Würzburg, Fall 2025 Guest lecture and 1-week practical on connectomics, BSc course “Neurobiology”, University of Würzburg, Fall 2023 Guest lecture on proprioception, BSc course “Neurobiology”, University of Washington, Fall 2021 Teaching Assistant, MSc courses “Control of Behavior” and “Behavior/ Neural Mechanisms”, Bielefeld University, Fall 2014/2015/2016 Teaching Assistant, BSc courses “Locomotion” and “Marine Biology Field Trip”, University of Applied Sciences Bremen, Spring 2011
Professional Development	Leadership Certificate, University of Würzburg
Service	Reviewing: Curr. Biol., Curr. Opin. Neurobiol., J. Exp. Biol., J. Neurophysiol., Bioinspir. Biomim., Sci. Rep., COSYNE Meeting organization: NeuroDoWo 2016
Recent Outreach	Public talk with Q&A, Unibund Würzburg, 11/2024 Public talk with Q&A, Brain Awareness Week, Würzburg, 03/2024