

Chris J. Dallmann

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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 Fellowship, 2018–2020 Best Talk Award, Arthropod Neuroscience Network Meeting, 2016 German National Scholarship, 2013 PROMOS Travel Scholarship, 2012 |
| Publications | 19 peer-reviewed publications 2 manuscripts in review >700 citations, h-index = 15 [Google Scholar] [ORCID 0000-0002-4944-920X] |

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| Selected Publications | <p>Dallmann CJ, Mukthar Iqbal F, Liebscher S, Erginkaya M, Liessem S, Sauer EL, Soyka H, Cascino-Milani F, Goldammer J, Ito K, Ache JM (2026). A dedicated brain circuit controls forward walking in <i>Drosophila</i>. <i>bioRxiv</i>.</p> <p>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>. <i>Nature</i> 647, 445-453.</p> <p>Dallmann CJ*, Karashchuk P*, Brunton BW, Tuthill JC (2021). A leg to stand on: computational models of proprioception. <i>Curr. Opin. Physiol.</i> 22, 100426. *Co-first authors.</p> |
| Invited Talks | <p>International Congress for Neuroethology, 07/2026</p> <p>University of Cologne, Seminars in Neuroscience, 11/2024</p> <p>Arthropod Neuroscience Network, 01/2024</p> <p>Society for Integrative and Comparative Biology Annual Meeting, 01/2023</p> <p>University of Würzburg, Würzburg Insect Research Colloquium, 07/2022</p> |
| Selected Conferences | <p>Computing Cords, Janelia Research Campus, Ashburn, VA, 10/2025, Talk</p> <p>Circuits for Movement, Rungset Kyst, Denmark, 06/2024, Talk</p> <p>Society for Neuroscience Annual Meeting, Washington, D.C., 11/2023, Poster</p> <p>Motor Control: Spinal Circuits and Beyond, St. Andrews, UK, 06/2023, Talk</p> |
| Mentoring | <p>Currently co-supervising 1 PhD thesis and two MSc theses</p> <p>Previously co-supervised 1 PhD thesis, 2 MSc theses, 2 BSc theses, 3 rotation students; supervised 1 research assistant</p> |
| Teaching | <p>Guest lecture on neural control of movement, MSc course “Neurogenetics of Behavior”, University of Würzburg, Fall 2025</p> <p>Guest lecture and practical course on connectomics, BSc course “Neurobiology”, University of Würzburg, Fall 2023/2025</p> <p>Guest lecture on proprioception, BSc course “Neurobiology”, University of Washington, Fall 2021</p> <p>Teaching Assistant, MSc courses “Control of Behavior” and “Behavior/ Neural Mechanisms”, Bielefeld University, Fall 2014/2015/2016</p> <p>Teaching Assistant, BSc courses “Locomotion” and “Marine Biology Field Trip”, University of Applied Sciences Bremen, Spring 2011</p> |
| Professional Development | Leadership Certificate, University of Würzburg |
| Service | <p>Reviewing: Curr. Biol., Curr. Opin. Neurobiol., J. Exp. Biol., J. Neurophysiol., Bioinspir. Biomim., Sci. Rep., PLOS One, COSYNE</p> <p>Meeting organization: NeuroDoWo 2016</p> |
| Recent Outreach | <p>Public talk with Q&A, Unibund Würzburg, 11/2024</p> <p>Public talk with Q&A, Brain Awareness Week, Würzburg, 03/2024</p> |