

CURRICULUM VITAE

PROF. DR. SILKE SACHSE

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Nationality German
Date of birth 17th August 1973
Family 1 son (*2010)

EDUCATION

1999-2002 PhD in Biology (*summa cum laude*), Free University Berlin, Germany
PhD thesis: “*Odor processing in the honeybee antennal lobe*” (Supervisor: Prof. Dr. C. Giovanni Galizia)

1999 Diploma in Biology (grade: 1.0), Institute of Neurobiology, Free University of Berlin
Diploma thesis: “*A spatial map of odor representations in the honeybee antennal lobe*” (Supervisor: Prof. Dr. C. Giovanni Galizia)

1993-1999 Studies in Biology, Free University Berlin, Germany (Vordiplom, grade: 1.0)
1993 Abitur, Ullrich-von-Hutten-Gymnasium Berlin, Germany

RESEARCH POSITIONS

Since 04/2025 W3 Professor, Chair for Neurobiology and Genetics
Julius-Maximilians-University Wuerzburg, Germany

2016-2025 Research Group Leader (W2) for the independent research group “Olfactory Coding” (tenured)
Max Planck Institute for Chemical Ecology (MPI-CE), Jena, Germany

2016 Call to W2 Professorship for Neurobiology, University of Würzburg (*gratefully declined*)

2008-2015 Independent Junior Group Leader of BMBF funded research group
Max Planck Institute for Chemical Ecology (MPI-CE), Jena, Germany

2006-2008 Project Leader in the laboratory of Prof. Dr. Bill S. Hansson
Department of Evolutionary Neuroethology, Max Planck Institute for Chemical Ecology (MPI-CE), Jena,

2005-2006 Postdoctoral Research Associate in the laboratory of Prof. Dr. Randolph Menzel
Institute of Neurobiology, Free University of Berlin, Germany

2002-2005 Postdoctoral Fellow in the laboratory of Prof. Dr. Leslie B. Vosshall
Department of Neurogenetics & Behavior, Rockefeller University, New York, USA

1999-2022 PhD thesis research in the laboratory of Prof. Dr. C. Giovanni Galizia and Prof. Dr. Randolph Menzel, Institute of Neurobiology, Free University of Berlin, Germany

FELLOWSHIPS & AWARDS

2024	Certificate of Merit - Council for the International Congresses of Entomology (CICE)
2020-	Member of AcademiaNet – database of excellent female scientists
2008-2014	Recipient of Independent Research Group Grant in Neuroscience funded by BMBF
2003	The T.I.L.L. Photonics Technology Award for excellence in developing novel techniques in neurosciences
2002-2003	Recipient of the Rockefeller University Presidential Postdoctoral Fellowship
2002	ECRO Travel Award, four-week laboratory visit at Trondheim University, Norway
2001	Travel Grant, German Neuroscience Society (NWG)
1999	PhD scholarship of the Graduiertenkolleg <i>Signalling Cascades in Living Systems</i> (GRK 120) funded by the German Science Foundation (DFG)

RESEARCH GRANTS

2025-2028	German Science Foundation (DFG) research grant SA909/4-2 within the 2 nd period of the SPP2205 Priority Program Evolutionary Optimisation of Neuronal Processing, Tandem project with Veronica Egger (University of Regensburg)
2023-2027	German Science Foundation (DFG) research grant SA909/5-1 within FOR5424 (Modulation of Olfaction: How Recurrent Circuits Govern State-dependent Behavior), Tandem Project with Markus Knaden (MPI Jena)
2021-2024	Novo Nordisk Foundation research grant AUTOSECT within the Exploratory Interdisciplinary Synergy Programme 2020, Co-PI with Michael Krogh Jensen (DTU Biosustain) and Guy Theraulaz (CNRS)
2020-2024	Max Planck Center nGICE (next Generation Insect Chemical Ecology) collaborative research grant with Lund University and SLU Alnarp, Co-PI with Bill Hansson and Markus Knaden (MPI Jena)
2020-2023	German Science Foundation (DFG) research grant SA909/4-1 within the SPP2205 Priority Program Evolutionary Optimisation of Neuronal Processing, Tandem project with Veronica Egger (University of Regensburg)
2018-2022	MPG-CAS collaborative grant with the Chinese Academy of Science (CAS), Co-PI in a project headed by Bill Hansson (MPI) and Kang Le (CAS)
2015-2019	EU Horizon 2020 FET-OPEN research grant NANOSMELL, Co-PI in the consortium project headed by Noam Sobel (Weizmann Institute)
2012-2016	German Science Foundation (DFG) research grant SA909/3-2 within the 2 nd phase of the SPP1392 Priority Program (Integrative analysis of olfaction), Tandem project with Jürgen Krieger (University of Hohenheim/Halle)
2012-2015	EU7 Marie Curie research grant within the innovative training network (ITN) FLiACT: Systems neuroscience of Drosophila
2009-2012	German Science Foundation (DFG) research grant SA909/3-1 within the 1 st phase of the SPP1392 Priority Program (Integrative analysis of olfaction), Tandem project with Jürgen Krieger (University of Hohenheim)
2008-2014	BMBF Research Group Grant in Neuroscience
2006	Research grant (Initiativmittel) from the Forschungskommission (FK) of the Free University of Berlin

TOTAL FUNDING: 4,2 Mio. € (incl. 1,2 Mio € funding of the Max Planck Society)

ACADEMIC SERVICE & COMMITTEE WORK (selection)

- Organizer and co-organizer of several international conferences (ESITO 2013, 2015, 2019, 2023, 2025, ECRO 2020, 2022, Neurofly 2020, 2026, ICN 2024)
- Organizer of several symposia at international conferences (ISOT 2024, 2015, ICE 2022, 2016, 2008, ECRO 2021, 2020, 2015, 2008, NWG 2021, FENS 2016, ISCE 2015, Neurofly 2008)
- Elected Member to the review board of the DFG (Fachkollegium) for Zoology (2024-2028)
- Expert advisor for the Swedish University of Agricultural Sciences (SLU) Alnarp
- Member of the Appointment Committee of the Max Planck Institute for Biological Intelligence
- Executive Committee Member and Section Speaker for Behavioral Neuroscience of the German Neuroscience Society (NWG) (2023-2027)
- Board Member of the European Chemoreception Organization (ECRO) (2024-2026)
- Member of the Graduate School of Life Sciences (GSLs) of the University of Würzburg (since 2025)
- Faculty Member of the International Max Planck Research School (IMPRS) (since 2011)
- Member and Mentor of Minerva FemmeNet (Max Planck Society) and DREAM (Dahlem Research School, FU Berlin),
- Deputy Gender Equality Officer of the Max Planck Institute for Chemical Ecology (2017-2024)
- Mentee in the Mentoring Program of the ProFiL-Network (FU, HU, TU Berlin)

EDITORIAL WORK & REVIEWER (selection)

- 2024- Specialty Chief Editor for Frontiers in Physiology / Invertebrate Physiology
- 2021 Guest Editor for the Special Issue '*Olfactory Coding and Circuitries*' in Cell and Tissue Research (with Ivan Manzini)
- 2020- Editorial Board Member of Chemical Senses
- 2020- Associate Editor for Frontiers in Physiology / Invertebrate Physiology
- 2017- Review Editor for Frontiers in Chemical Ecology and Evolution

Journal Reviewer

Animal Behavior, Biology Letters, BMC Biology, BMC Neuroscience, Cell Reports, Communications Biology, Current Biology, Developmental Neurobiology, eLife, European Journal of Neuroscience, FEBS Journal, Journal of Comparative Neurology, Journal of Neurophysiology, Journal of Neuroscience, Learning and Memory, Nature Communications, Nature Reviews Neuroscience, Neuron, PLoS Biology, PLoS Genetics, PNAS, Proceedings of the Royal Society B, Science Advances

Grant Reviewer

German Science Foundation (DFG, panel service for Research Units and *ad hoc* reviewer), European Research Council (Starting, Advance and Synergy Grants), European Commission (reviewing expert, panel service), The Wellcome Trust, National Science Foundation (NSF), National Research Agency (ANR), Israel Science Foundation (ISF), Swedish Research Council Formas, Swiss National Science Foundation (SNSF), Marsden Fund, Volkswagen Stiftung

INVITED PLENARY LECTURES & KEYNOTE TALKS

- European Drosophila Research Conference (EDRC), Alicante, Spain (2025, Plenary)
- Annual Meeting of the German Zoological Society (DZG), Berlin, Germany (2025, Plenary)
- 19th NEUROFLY, Saint-Malo, France (2022, Plenary)
- XXVI International Congress of Entomology (ICE), Helsinki, Finland (2022, Keynote)
- 36th International Society of Chemical Ecology (ISCE), South Africa (*virtual*, 2021, Keynote)
- Insect Olfaction and Taste in 24 Hours around the Globe (*virtual*, 2021, Keynote)
- Congress of the European Chemoreception Organization (ECRO), Trieste, Italy (2019, Plenary)

STUDENT & POSTDOCTORAL SUPERVISION

Postgraduate researchers (postdocs): 15

Graduate students (PhD): 12 in total, 9 of which have been successfully defended

Undergraduate students (Diploma, MSc, BSc): 9

COLLABORATIONS (past and present)

Veronica Egger (Universität Regensburg)

Johannes Felsenberg (FMI Basel, Switzerland)

André Fiala (Universität Göttingen)

Bill Hansson, Markus Knaden, Jürgen Rybak (Max Planck Institute for Chemical Ecology, Jena)

Rickard Ignell, Sharon Hill, Peter Witzgall (SLU, Alnarp, Sweden)

Jürgen Krieger (Universität Halle)

Michael Krogh Jensen (DTU Biosustain, Denmark)

Fernando Locatelli, Martin Klappenbach (University of Buenos Aires, Argentina)

Karen Menuz (University of Connecticut, US)

Keram Pfeiffer (Universität Marburg / Würzburg)

Wolfgang Rössler (Würzburg University)

Michael Schmuker (University of Hertfordshire, UK)

Noam Sobel (Weizmann Institute, Israel)

Marcus Stensmyr (Lund University, Sweden)

Kevin Verstrepen (KU Leuven, Belgium)