

Date, place of birth: 23 October 1984, Bitburg, Germany

ORCID [0000-0002-4964-1162](https://orcid.org/0000-0002-4964-1162)

EDUCATION

PhD Neuroscience (Dr. rer. nat., *summa cum laude*) 2015
RWTH Aachen University, Germany

Biology Diploma (Dipl. Biol.) 2011
RWTH Aachen University, Germany

Abitur 2004
St. Josef Gymnasium, Biesdorf, Germany

RESEARCH EXPERIENCE

The Francis Crick Institute, London, UK since 2015
Sensory Circuits and Neurotechnology Laboratory
Postdoctoral researcher with Prof. Dr. Andreas Schaefer

University College London, UK 2017 - 2021
Department of Neuroscience, Physiology and Pharmacology
Research Associate

RWTH Aachen University, Germany Mar 2015 - Jul 2015
Department of Chemosensation
Postdoctoral researcher with Prof. Dr. Marc Spehr

RWTH Aachen University, Germany 2011 - 2015
Department of Chemosensation
Ph.D. student with Prof. Dr. Marc Spehr

Dissertation: Physiological investigation of chemosensory mechanisms in the mammalian olfactory and vomeronasal system

RWTH Aachen University, Germany Jun 2010 - Mar 2011
Department of Zoology and Animal Physiology
Diploma thesis with Prof. Dr. Hermann Wagner

Title: Biochemical analysis of the expression of chloride transporters in the chicken auditory brainstem (*Gallus gallus domesticus*) throughout the embryonic development

RWTH Aachen University, Germany 2009
Department of Zoology and Animal Physiology
Student assistant

GRANTS AND AWARDS

ERC Starting Grant “TempCOdE”, European Research Council	2023
Research Fellowship German Research Foundation (DFG)	2015
Travel award 11. Meeting of the German Neuroscience Society, Göttingen	2015
Poster award Behaviour meets Biochemistry meeting The Biochemical Society, London, UK	2014
Travel award Behaviour meets Biochemistry meeting The Biochemical Society, London, UK	2014
Housing Award Association for Chemoreception Sciences meeting, Huntington Beach, USA	2013

TEACHING AND SUPERVISIONS**Courses and lectures**

Undergraduate lecture “NEUR005: Olfaction” UCL Faculty of Life Sciences, University College London, UK	2019
“Meet a researcher” programme UCL Faculty of Life Sciences, University College London, UK	2019
Course lecturer “Tierphysiologisches Grundpraktikum” RWTH Aachen University, Aachen, Germany	2011 - 2015
Course lecturer “Blockpraktikum Neurophysiologie” RWTH Aachen University, Aachen, Germany	2012 - 2015

Academic supervision

Within the research groups of Profs. Marc Spehr and Andreas Schaefer	since 2013
Schaefer lab: 2 nd supervisor of a Ph.D. student, mentorship of two Ph.D. students	
Spehr lab: 1 st supervisor of two M.Sc. students, 2 nd supervisor of a B.Sc. student	

REFEREE ACTIVITY

Cell Reports
 Communications Biology
 Current Biology
 Frontiers in Neuroscience
 Nature Communications
 PCI Neuro
 PLoS one
 Scientific Reports

MEMBERSHIPS

Association for Chemoreception Sciences (AChemS)
 European Chemoreception Research Organization (ECRO)
 Society for Neuroscience (SfN)
 German Neuroscience Society (NWG)

CONFERENCES AND SYMPOSIA**Invited talks**

Cold Spring Harbor Laboratories Seminar Series | CSHL, USA 2021
Title: "Fast odour dynamics are encoded in the olfactory system and guide behaviour"

Brains and Roses conference, College de France | Paris 2019
Title: "Sub-sniff temporal odour information in the olfactory bulb sensory input layer"

Zoological seminar series, RWTH Aachen University | Aachen, Germany 2019
Title: "Perception and representation of temporally structured odour stimuli in the mouse olfactory bulb"

SPP 1392: Integrative Analysis of Olfaction meeting | Oldenburg, Germany, 2014
Title: "Physiological characterization of formyl peptide receptor expressing cells in the mouse vomeronasal organ"

Behaviour meets Biochemistry meeting | London, UK 2014
Title: "Revisiting the labelled line coding model for the vomeronasal system with a set of defined stimuli"

Poster presentations

German Neuroscience Society Meeting | virtual 2021

Annual NeuroNex Investigator Meeting | virtual 2020

International Symposium on Olfaction and Taste | virtual 2020

German Neuroscience Society Meeting | Goettingen, Germany 2019

Society for Neuroscience Conference | San Diego, USA 2018

Association for Chemoreception Sciences Meeting | Fort Myers, USA 2017

Association for Chemoreception Sciences Meeting | Fort Myers, USA 2016

Society for Neuroscience Conference | Washington DC, USA 2014

Association for Chemoreception Sciences Meeting | Fort Myers, USA 2014

Behaviour meets Biochemistry Meeting | London, UK 2014

European Chemoreception Research Organization | Leuven, Belgium 2013

Association for Chemoreception Sciences Meeting | Huntington Beach, USA 2013

German Neuroscience Society Meeting | Goettingen, Germany 2013

International Symposium on Olfaction and Taste | Stockholm, Sweden 2012

ADMINISTRATION AND SCIENTIFIC LEADERSHIP

EMBO Laboratory Leadership Programme virtual	2022
Postdoc to PI Programme Francis Crick Institute, London, UK	2021
Fundraiser “ <i>Creating the future</i> ” Francis Crick Institute, London, UK	2019
Fundraiser “ <i>You are electric</i> ” Francis Crick Institute, London, UK (organised by Cancer Research UK)	2019
Video Interview “ <i>Scientifica meets...</i> ” Published on the Scientifica website	2018
Postdoc Symposium Co-Organiser, Francis Crick Institute, London, UK	2018
Public outreach “ <i>Bright lights, Crick circuits</i> ” Francis Crick Institute, London, UK	2017
Postdoc representative Francis Crick Institute, London, UK	2017 - 2019
Participation in recruitment and interview panels Francis Crick Institute, London, UK	since 2017
Unconscious Bias Workshop Francis Crick Institute, London, UK	2016

MAJOR COLLABORATIONS

Sophie Steculorum | MPI for Metabolism Research, Cologne, Germany
 Alexander Fleischmann | Brown University, Providence, USA
 Izumi Fukunaga | Okinawa Institute of Science of Technology, Okinawa, Japan
 Caetano Reis e Sousa | Francis Crick Institute, London, UK

ADDITIONAL QUALIFICATIONS

Interviewed and shortlisted for a Tenure-Track Professorship at University of Bremen	2022
Sponsored for an ERC StG by the European Neuroscience Institute in Göttingen	2022
Shortlisted and interviewed for the NRW Return Fellowship	2021