

Curriculum vitae

Prof. Dr. Simone Sommer

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Major research interests

- Consequences of anthropogenic impact and associated ecological changes on wildlife health and zoonotic infections: shifts in population ecology and genetics, infection prevalence and intensity, host-pathogen interactions, co-infection networks and emerging zoonotic diseases
- Gut and skin microbial (microbiome) diversity and function, host–microbiome interactions, effects of dysbiosis on pathogen prevalence and associated fitness consequences
- Importance of adaptive immune gene diversity (MHC, TLR) in evolutionary processes: pathogen resistance, behavioural ecology and conservation

Academic degrees

- 1987-1989 Student of Biology, Ruprecht-Karls-Universität Heidelberg
1990-1994 Student of Biology, Eberhard-Karls-Universität Tübingen
1995-1997 PhD, Eberhard-Karls-Universität Tübingen
28. Jan 2004 Habilitation in Zoology, University of Hamburg
03. Feb 2004 *Venia legendi* for Zoology and Animal Conservation, University of Hamburg
08. Nov 2006 *Venia legendi* for Evolutionary Ecology, University of Potsdam

Academic career

- 1996-1997 **Research Associate**, Behavioural Physiology, University of Tübingen & MPI for Immunology, Tübingen/Germany.
- 1998 **Postdoctoral Fellow** (DAAD), Washington University, St. Louis/USA (Prof Dr A Templeton), Northwestern University, Chicago (Prof Dr A Yoder).
- 1998 - 2006 **Assistant Professor**, Animal Ecology and Conservation, University of Hamburg/Germany (Prof Dr JU Ganzhorn).
- 2001 **Project Coordinator**, IUCN Species Survival Commission (world leading conservation agency): Defining priorities for biodiversity conservation in Madagascar.
- 2002 - 2009 **Project Coordinator and Principal Investigator (PI)**, Science and Technology for the Mata Atlântica/Brasil, German Federal Ministry of Education and Research (BMBF): Biodiversity conservation in fragmented landscapes at the Atlantic Plateau of São Paulo (Brazil) (BioCAPSP).
- 2005 **Visiting Scientist**, German Academic Exchange Service (DAAD), University of Stellenbosch/South Africa, Dept Genomics & Conservation Biology: Evolutionary genetics and gastrointestinal parasites of South African mammals.
- 2006 - 2013 **Head of Evolutionary Genetics**, Leibniz-Institute for Zoo- and Wildlife Research (IZW), Berlin.
- 2007 - 2013 **apl Professor for Evolutionary Ecology**, University of Potsdam, Germany.
- 2013 **Call declined: Full Professor (W3)**, Molecular Ecology and Evolution, University of Potsdam, Germany.
- since 2014 **Full Professor (W3)**, Director, Evolutionary Ecology and Conservation Genomics, University of Ulm, Germany.

Awards

- 1995-1997 PhD fellowship, Landesgraduiertenförderung Baden-Württemberg.
1998 Postdoc fellowship, German Academic Exchange Service (DAAD).

- 1998 Fritz-Frank-Award of the German Mammalogist Society.
- 2000 Hamburg: summa cum laude: Award to outstanding scientists by the Senat of the City of Hamburg.
- 2003 Junior Scientist Award to join the 92. Dahlem Conference, Berlin 'Attachment and Bonding: a new synthesis'.
- 2005 Research fellowship, University of Stellenbosch, German Academic Exchange Service (DAAD).
- 2007 Outstanding German Scientist Award in Natural Sciences, 13. German-American Frontiers of Science Symposium GAFOS, Irvine California/USA, funded by the Alexander von Humboldt-Foundation and the National Academy of Sciences, USA.
- since 2010 Entitled member of AcademiaNet (network of excellent female scientists).
- 2017 Lehrpreis (Award for outstanding teaching), Ulm University.
- since 1998 > 220 invited talks.

Academic and professional services and achievements (selection)

- since 1998 Expert reviewer to assess grant applications for various national and international funding agencies and bodies.
- since 2004 External member of doctoral theses and habilitation committees in Germany, Austria, Switzerland, UK, Sweden, South Africa, Mexico and Australia.
- since 2007 Member of evaluation committees of numerous national and international tenure-track and professorship applications,
Expert reviewer to assess numerous scientists nominated for academies, prizes, and awards,
Member of evaluation committee of various national and international research institutions.
- 2008 - 2015 Elected member of the German Research Foundation DFG Panel 'Zoology' (DFG-Fachkollegiatin, Scientific Advisory Board for research proposals).
- since 2009 Associate Editor: *Conservation Genetics*.
- 2009 - 2013 Editorial Board: *Ecotropica*.
- 2009 -2013 Founding member and member of the steering committee 'Berlin Consortium for Genomics in Biodiversity Research'. Next generation sequencing technology center (,Evolutionary and ecological genomics in biodiversity research').
- 2010 - 2013 Associate Member of the *Centre of Infection Biology and Immunology*, ZIBI, Berlin).
- 2011 - 2018 Scientific board member *Leibniz-Institute of Primate Research (DPZ)*, Göttingen.
- since 2011 Editorial Board: *Nature Conservation*.
- 2011 - 2022 Steering Committee member, DFG Priority Program "Ecology and Species Barriers in Emerging Viral Diseases" (SPP 1596).
- since 2014 Nominated member of the Scientific Advisory Board *Senckenberg – World of Biodiversity*.
- since 2014 Member of the Faculty Council, University of Ulm.
- since 2014 Member of the Study Commission Biology, University of Ulm.
- 2016 - 2021 Member of the Jury of the Karl-Ritter-von-Frisch Price, Scientific Award of the German Zoological Society (DZG).
- 2014 - 2019 Scientific Advisory Board member *Nationalpark Schwarzwald*.
- 2017 - 2019 Study Dean, Biological Studies and Biochemistry, University of Ulm.
- since 2018 Scientific Advisor *Swiss Academics of Arts and Science*. Swiss academic fact sheets: Biodiversity, a guarantee of health?
- since 2019 Elected Head of Scientific Advisory Board *Senckenberg – World of Biodiversity*.
- since 2020 Elected Senator, University of Ulm.
- since 2020 Nominated Member, Senatsausschuss Lehre, University of Ulm.
- since 2020 Member of the PREZODE Initiative (PREventing ZOonotic Diseases Emergence).
- since 2020 Nominated Member, DFG Interdisciplinary Commission for Pandemic Research / Interdisziplinäre Kommission für Pandemieforschung.

- since 2021 Invited Member of the International Zoonoses Community of Experts
Invitation to the Inauguration of the WHO Hub for Pandemic and Epidemic
Intelligence by Dr Tedros Adhanom Ghebreyesus, Director-General World Health
Organization (WHO).
- since 2021 Elected Member, Scientific Advisory Board 'Nationale Forschungsplattform für
Zoonosen'.
- since 2022 Nominated Member, DFG Grants Committee on Collaborative Research Centres /
Senats- und Bewilligungsausschusses für Sonderforschungsbereiche.
- since 2023 Nominated member of the Scientific Advisory Board, Helmholtz Centre for Infection
Research GmbH and Helmholtz Institute for One Health.
- 2023 Nominated member of the Jury 'Hamburger Wissenschaftspreis 2023 One Health',
Akademie der Wissenschaften in Hamburg/Academy of Science in Hamburg.

Please visit my homepage for an overview of current projects, research highlights, publication list
and selection of public media outreach: <https://www.uni-ulm.de/nawi/evolutionary-ecology-and-conservation-genomics/prof-dr-simone-sommer/>