

Curriculum vitae

Prof. Dr. Simone Sommer

Director of the Institute Evolutionary Ecology and Conservation Genomics, University of Ulm

Head of Conservation Genomics & EcoHealth Unit, University of Ulm

Albert-Einstein-Allee 11, D-89081 Ulm, Phone: +49-731-5022660, Simone.Sommer@uni-ulm.de

Major research interests

- Consequences of anthropogenic impact and associated ecological changes on wildlife health: shifts in population ecology and genetics, infection prevalence and intensity, host-pathogen interactions, and emerging zoonotic diseases
- Gut and skin microbial (microbiome) diversity and function, host–microbiome interactions, effects of dysbiosis on pathogens 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**, University of Tübingen
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 (Prof JU Ganzhorn)
2001 **Project Coordinator**, IUCN Species Survival Commission (world leading conservation agency). Individual based modelling on the effects of anthropogenic impact on the population dynamics of endangered mammal species to define priorities for biodiversity conservation in Madagascar
2002 - 2009 **Project Coordinator and Principal Investigator (PI)** 'Consequences of habitat fragmentation on the genetic diversity, parasite resistance, and population ecology of small mammals' in the Mata Atlântica program 'Science and Technology for the Mata Atlântica/Brasil' of the 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** (DAAD), University of Stellenbosch/South Africa, Dept Genomics & Conservation Biology (Prof Dr T Robinson, Prof Dr C Matthee and Dr S Matthee), Research topic: Evolutionary genetics; 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)**, 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'.
2007 Award as outstanding German Scientist in Natural Sciences to join the 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)
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*
since 2009 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*
since 2011 Steering Committee member, DFG Priority Program "Ecology and Species Barriers in Emerging Viral Diseases" (SPP 1596)
since 2014 Scientific Advisory Board member *Senckenberg – World of Biodiversity*
since 2016 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 of the 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 Board 'Nationale Forschungsplattform für Zoonosen'
since 2022 Nominated Member of the DFG Grants Committee on Collaborative Research Centres / Senats- und Bewilligungsausschusses für Sonderforschungsbereiche

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/>