**BIOGRAPHICAL SKETCH PRIV.-DOZ. DR.PAMELA A. BURGER**

PERSONAL INFORMATION

Name: Pamela Anna Burger, née Kerschbaumer

Researcher unique ID(s): [https://orcid.org/0000-0002-6941-0257](https://orcid.org/0000-0002-6941-0257" \t "_blank)

Webpage: <https://www.vetmeduni.ac.at/en/research-institute-of-wildlife-ecology/working-groups-units/genetics/population-genetics-and-conservation-genetics>

HIGHER EDUCATION

06.2021 Habilitation (equivalent Associate Professor), Research Institute of Wildlife Ecology, University of Veterinary Medicine (Vetmeduni) Vienna, Austria

2000 – 2004 Doctoral thesis in Veterinary Medicine, Institute of Animal Breeding and Genetics, Vetmeduni, Vienna, Austria

1994 – 2000 Diploma degree in Veterinary Medicine, Specialization in Biotechnology, Vetmeduni, Vienna, Austria

APPOINTMENTS/ POSITIONS

2022 – Deputy head, Research Institute of Wildlife Ecology, Vetmeduni, Austria

2015 – 2022 Senior researcher, Research Institute of Wildlife Ecology, Vetmeduni

2009 – 2015 Group leader, Institute of Population Genetics, Vetmeduni

2005 – 2007 Postdoc, Institute of Biochemistry, Vetmeduni

FELLOWSHIPS AND AWARDS

2022 Wiener Rupert Riedl prize for contributions to the Evolutionary Theory

2012 – 2016 Austrian Academy of Science, Austrian Programme for Advanced Research and Technology Fellowship (11506) €224,700

2011 Armin Tschermak von Seysenegg prize, Vetmeduni Vienna (Gesellschaft der Freunde der Veterinärmedizinischen Universität Wien)

2002 – 2004 Austrian Academy of Science DOC Fellowship €46,000

1997 Excellency scholarship, Vetmeduni Vienna

SELECTED MEMBERSHIPS

2014 Board member (General Secretary) of the [Yak-Camel Foundation](http://www.yak-kamel-stiftung.de/)

2015 Founder and board member of the International Camel Consortium for Genetic Improvement and Conservation ([ICC-GIC](http://www.icc-gic.weebly.com/))

2012 International Society of Camelid Research and Development ([ISOCARD](http://www.isocard.net/))

SELECTED THIRD PARTY FUNDS/ONGOING PROJECTS

10.2022 – 09.2025 Austrian Partnership Programme in Higher Education and Research for Development (APPEAR) Advanced Academic Partnership Project ‘Advancing local capacities for livestock breeding practice and research in Burkina Faso’ by the Austrian Development Cooperation, Total/ Vetmeduni part: €390,000/ 49,000; Role: Vetmeduni PI

01.2022 – 05.2022 APPEAR Preparatory Prep214 ‘Strengthening Genetic Biocontrol Capacities under Climate Change in Armenia’, Total/ Vetmeduni part: €13,528/ 2000; Role: Vetmeduni PI

05.2021 – 04.2024 Austrian Science Fund (FWF), I5081-B ‘Characterisation of innate immunity genes in domestic and wild felids’ €399,924; Role: Project PI

09.2017 – 02.2021 FWF, P29623-B25 ‘Characterization of the immunogenome in Old World camelids’; €399,982; Role: Project PI

06.2012 – 06.2015 FWF, P24706-B25 ‘Genomic signatures of domestication in modern, early and pre-domestic Old World camelids’ €359,132; Role: Project PI

11.2008 – 02.2012 FWF, P1084-B17 ‘Genetic origin and domestication of Old World camelids’, €295,913; Role: Project PI

SELECTED COLLABORATION PARTNERS

* Prof. Dr. Dr. Petr Horín, *Immunogenetics*, University of Veterinary Sciences, Brno, CZ
* Dr. Dominique Ouedraogo, *Animal Breeding*, University of Bobo Dioulassou, Burkina Faso
* Prof. Dr. Mike Bruford, *Conservation*, Cardiff School of Bioscience, Cardiff University, UK

PROFESSIONAL AND SCHOLARLY ACTIVITIES

* Editorial functions: Subject Editor - Mammalian Biology, Guest Editor - Frontiers in Genetics
* Professional functions: Secretary of the [Yak-Camel Foundation](http://www.yak-kamel-stiftung.de/), Founder/ and board member of [ICC-GIC](http://www.icc-gic.weebly.com/)
* International Atomic Energy Agency/ Food and Agriculture organisation (IAEA/ FAO): External Advisor for coordinated research programs
* Any other relevant activities/experience: Co-leader of the working group Sustainability in research at Vetmeduni, Co-leader of the Conservation Medicine Module at Vetmeduni,
* Teaching (annual 5 ECTS): ‘Species and nature conservation in a One Health context’, ‘Population and Immune Genetics’, ‘Evolution, behaviour and cognition of domesticated species’; Co-/Supervision (7/4 PhDs, 6 MSc, 2 BSc, 2 PTYs)

CAREER BREAKS (if applicable)

01.2001 – 02.2002: Parental leave for Leon (\*01.03.2001) | 01.2004 – 01.2005: Parental leave for Matilda (\*27.03.2004) | 09.2007 – 01.2009 Parental leave for Josef (\*20.10.2007)

PUBLICATION SUMMARY

*70 peer reviewed publications/proceedings, 6 reviews, 5 books/book chapters, cited 687 times (539 without self-citations), h-index 16 (as of 28.09.2022, Web of Science), 0 patents…*

TOP 10 SELECTED PEER-REVIEWED PUBLICATIONS

1. Prost, S; Machado, AP; Zumbroich, J; Preier, L; ... & Burger, PA, 2022 Genomic Analyses Show Extremely Perilous Conservation Status of African and Asiatic cheetahs (Acinonyx jubatus). *Mol Ecol.* 31 (16) 4208-4223. DOI:10.1111/mec.16577
2. Burger, PA & Ciani, E, 2022 Structural and functional genomics in Old World camels-where do we stand and where to go. *Anim Front.* 12(4):30-34. DOI:10.1093/af/vfac047
3. Plasil, M; Futas, J; Jelinek, A; Burger, PA; Horin, P, 2022 Comparative Genomics of the Major Histocompatibility Complex (MHC) of Felids. *Front Genet*. 13:829891. DOI:10.3389/fgene.2022.829891
4. Lado, S; Elbers, JP; Plasil, M; Loney, T; … & Burger, PA, 2021 Innate and Adaptive Immune Genes Associated with MERS-CoV Infection in Dromedaries. *Cells.* 10(6):1291. DOI:10.3390/cells10061291
5. Ouédraogo, D; Ouédraogo-Koné, S; Yougbaré, B; … Burger, PA & Sölkner, J, 2021 Population structure, inbreeding and admixture in local cattle populations managed by community-based breeding programs in Burkina Faso. *J Anim Breed Genet*. 138 (3):379-388. DOI:10.1111/jbg.12529
6. Yougbaré, B; Ouédraogo, D; Tapsoba, ASR; … & Burger, PA, 2021 Local Ancestry to Identify Selection in Response to Trypanosome Infection in Baoulé x Zebu Crossbred Cattle in Burkina Faso. *Front Genet.* 12:670390. DOI:10.3389/fgene.2021.670390
7. Fitak, RR; Mohandesan, E; Corander, J; … & Burger, PA, 2020 Genomic signatures of domestication in Old World camels. *Commun Biol*. 3(1):316. DOI:10.1038/s42003-020-1039
8. Lado, S; Elbers, JP; Rogers, MF; … & Burger, PA, 2020 Nucleotide diversity of functionally different groups of immune response genes in Old World camels based on newly annotated assemblies. *BMC Genomics*. 21(1):606 DOI:10.1186/s12864-020-06990-4
9. Mohandesan, E; Fitak, RR; Corander, J; …& Burger, PA, 2017 Mitogenome Sequencing in the Genus Camelus Reveals Long-term Divergence between Wild and Domestic Bactrian Camels. *Sci Rep*. 2017; 7(1):9970 DOI:10.1038/s41598-017-08995-8
10. Almathen, F; Charruau, P; Mohandesan, E; …& Burger, PA, 2016 Ancient and modern DNA reveal dynamics of domestication and cross-continental dispersal of the dromedary. *Proc Natl Acad Sci U S A*. 113(24):6707-6712. DOI:10.1073/pnas.1519508113