Curriculum Vitae

Anne Berger

Scientist; Leibniz Institute for Zoo and Wildlife Research

Department of Evolutionary Ecology

Work group Chronoecology

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Job description

Research scientist in behavioural ecology, animal behaviour and conservation, leader of the work group Chronoecology

Research fields and interests

Behavioural and evolutionary ecology, chronobiology, wildlife telemetry, reintroduction and conservation of mammals, urban ecology, stress detection in wildlife, animal welfare
Main species: Przewalski horses, European hedgehog, roe deer

Professional appointments

Since 2008	Research scientist, Leibniz Institute for Zoo and Wildlife Research, Berlin: *behavioural ecology*
2008-2010	Guest scientist, Department of Wildlife, Fish and Environmental Studies ("moose research group"), Swedish University of Agricultural Sciences, Umeå: *wildlife science*
1993-1999	PhD student, Leibniz-Institute for Zoo and Wildlife Research (Berlin) in collaboration with Research Institute of Wildlife Ecology (Vienna), French National Institute for Agricultural Research (Clermont Ferrand) and the Martin-Luther-University Halle-Wittenberg: *wildlife science, behavioural ecology*
1987-1988	zoo animal keeper in the Tierpark Berlin-Friedrichsfelde: *keeping birds*

Education

1999	PhD, animal ethology, Martin-Luther-Universität Halle-Wittenberg: *Chronobiological Investigations on Przewalski Horse (Equus ferus przewalskii) and Red Deer (Cervus elaphus) under Quasi-Natural Conditions and Possible Approaches to Chronobiological Diagnosis of Stress*
1993	Degree Diploma in Biology, Humboldt-University zu Berlin (HUB)

Selected publications

Berger A, Dettki H, Urbano F (2014): Deciphering animals' behaviour: joining GPS and activity data. In: Urbano F, Cagnacci F (eds.) Spatial database for GPS wildlife tracking data. A practical guide to creating a data management system with PostgreSQL/PostGIS and R. Springer International Publishing Switzerland. doi 10.1007/978-3-319-03743-1_12.

Krop-Benesch A, **Berger A,** Hofer H, Heurich M (2013): Long-term measurement of roe deer (*Capreolus capreolus*) activity using two-axis accelerometer GPS-collars. Italian Journal of Zoology, 80, 69-81. doi:10.1080/11250003.2012.725777.

Fröhlich M, **Berger A,** Kramer-Schadt S, Heckmann I, Martins Q (2012): Complementing GPS cluster analysis with activity data for studies of leopard (*Panthera pardus*) diet. South African Journal of Wildlife Research 42(2), 104-110.

Berger A (2011): Activity patterns, chronobiology and the assessment of stress and welfare in zoo and wild animals. Int Zoo YB 45, 1-11, doi:10.1111/j.1748-1090.201000121.x.

Krone O, **Berger A**, Schulte R (2009): Recording movement and activity pattern of a White-tailed Sea Eagle (*Haliaeetus albicilla*) by a GPS-datalogger. Journal of Ornithology 150, 273–280.

Scheibe KM, Robinson TL, Scheibe A, **Berger A** (2008): Variation of the phase of the 24-h activity period in different large herbivore species under European and African conditions. Biological Rhythm Research 40, 1-11.

Berger A, Scheibe KM, Michaelis S, Streich WJ (2003): Evaluation of living conditions of free ranging animals by automated chronobiological analysis of behaviour. Behavior Research Methods, Instruments & Computers 35 (3), 458-466.

Berger A, Scheibe KM, Brelurut A, Schober F, Streich WJ (2002): Seasonal variation of diurnal and ultradian rhythms in red deer. Biological Rhythm Research. 33, 237-253.

Berger A, Scheibe KM, Eichhorn K, Scheibe A, Streich WJ (1999): Diurnal and ultradian rhythms of behaviour in a mare group of Przewalski horse (*Equus ferus przewalskii*), measured through one year under semi-reserve conditions. Applied Animal Behaviour Science 64, 1-17.

Scheibe KM, **Berger A**, Langbein J, Streich WJ, Eichhorn K (1999): Comparative analysis of ultradian and circadian behavioural rhythms for diagnosis of biorhythmic state of animals. Biological Rhythm Research, 30(1), 216-233.

Scheibe KM, Schleusner T, **Berger A**, Eichhorn K, Langbein J, Dal Zotto L, Streich WJ (1998): ETHOSYS® - new system for recording and analysis of behaviour of free-ranging domestic animals and wildlife. Applied Animal Behaviour Science 55, 195-211.

Patents and licences, contacts to industry

Co-worker of "Activity Pattern Analysis Software" and its manual (available on http://www.vectronic-aerospace.com/html/service.html)

Teaching and education, outreach

Teacher, courses in telemetry, behaviour ecology of horses, animal behaviour, behavioural rhythms in wildlife, behaviour ecology
Reviewer, papers on animal behaviour
Contributor, numerous German radio interviews, newspaper articles (e.g. Spiegel), television contributions (e.g. RBB, N24)

Professional roles and services to the scientific community

Since 2013	Organizer, *yearly expert meeting "Igel in Berlin*" ("hedgehogs in Berlin"), ca. 20 participants
2012	Organizer, *1st summer school: Next generation data management in movement ecology,* 30 participants
2012	Co-organizer, *2nd expert meeting "EEP-Przewalskipferde im Naturschutz"*, 30 participants
2010-2011	general advisor for doctoral students of the IZW
Since 2010	deputy of the Animal protection official of the IZW
Since 2009	Member of the "Berliner Jagdbeirat" (Advisory council for hunters in Berlin)
2007-2008	general advisor for doctoral students of the IZW
Since 2007	Organizer, session *"behavioural rhythms"* at the International Conference on Behaviour, Physiology and Genetics of Wildlife, 50-100 participants

Awards, honours

2002	German Academic Exchange Service grant (DAAD)
1996	German Academic Exchange Service grant (DAAD)
1993-1995	Konsul Karl und Dr. Gabriele Sandmann Stiftung (PhD grant)