

Curriculum Vitae

Name Dr. rer. nat. Sylvia Ortmann

Current Position Scientist
Deputy Head of Department Evolutionary Ecology at the Leibniz-IZW

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Education

1997 Doctoral Degree, Biology, Philipps-University Marburg
1989 Diploma, Biology, Philipps-University Marburg

Research Experience

Since 2003 Senior scientist at the Leibniz Institute for Zoo- and Wildlife Research
Head of the nutrition laboratory
Scientific head of the IZW field research station
Deputy head of the Dept. Evolutionary ecology (since 2018)
Head of the Unit „Wildtiernetzwerk“ (since 2024)

1997 - 2003 Researcher at the German Institute of Human Nutrition, Potsdam, Dept. Biochemistry and physiology of nutrition

1990 – 1997 Research assistant in the „Collaborative research centre 305: Ecophysiology: Processing of environmental signals“ and PhD-Student at Philipps-University, Marburg, Dept. Animal physiology, Ecophysiology

Funding (Selection)

Seit 2024 *Aufbau und Umsetzung eines Wildtiernetzwerks für Berlin* fundet by SenMVKU (250.000€ [2024], 700.000€ [2025], 1.2000.000€ [2026-2027].

2018 *Multi-Marker Metabarcoding as a tool to identify prey and parasite spectra of foxes in Brandenburg* funded by Jagdabgabe Brandenburg (6.480€)

2016 - 2019 *BIBS-Verbund: Bridging in Biodiversity Science (Subproject: Urban-Rural-Coupling)* funded by BMBF (IZW 614.000€)

2016 – 2019 *Identifying the genomic loci underlying mammalian phenotypic variability using Forward Genomics with Semantic Phenotypes* funded by Leibniz-Gemeinschaft SAW-2016-SGN-2 (IZW 130.000€)

2016 – 2018 *Ecology of foxes in Berlin* funded by Stiftung Naturschutz Berlin (38.850€)

2015 - 2017 *Population dynamics and movement of European hare in Berlin Lichtenberg* funded by Bezirksamt Lichtenberg (20.000€)

2012 – 2015 *Habitat use of wild boar in Berlin* funded by Stiftung Naturschutz Berlin (~46.000€)

2011 – 2014 *Paternal epigenetic effects: Do sperm possess an epigenetic Memory?* funded by Leibniz-Gemeinschaft SAW-2011-IZW-2 (IZW 1.157.000€)

2005 – 2007 *Comparative digestion physiology of non-ruminating foregut fermenters* funded by DfG (19.000€)

Professional Activities and Memberships

Since 2023	Chair of the Board „Ökowerk Berlin“
2013 - 2022	Board member „Stiftung Naturschutz Berlin“
Since 2007	Organizer Workshop: Ecophysiology of Wildlife (6 x, biennial)
2013	Co-Organizer 9th Intern Conf on Behav, Physiol and Genetics of Wildlife
Memberships:	DZG, Naturschutzbeirat Lichtenberg

Honors and Recognitions

1999	Horst-Wiehe-Award of the German Zoological Society (biennial award for the best PhD-Thesis in zoology)
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Key publications (Articles in peer-reviewed journals)

1. Lindshield S,, **Ortmann S**, ... Rothman JM (2025): The nutritional quality of male Chimpanzee diets in a semi-arid Savanna. *J HUM EVOL* 204, 103684. doi:10.1016/j.jhevol.2025.103684
2. Scholz C,, **Ortmann S**, Kramer-Schadt S, Heitlinger E (2024) Host weight, seasonality and anthropogenic factors contribute to parasite community differences between urban and rural foxes. *Science of the Total Environment* 936
3. Scholz C,, **Ortmann S** (2020) Individual dietary specialization in a generalistic predator: a stable isotope analysis of urban and rural red foxes. *Ecology and Evolution* 10: 8855-8870
4. Hohmann G, **Ortmann S**, Remer T, Fruth B (2019) Fishing for iodine: What aquatic foraging by bonobos tells us about human evolution. *BMC Zool* 4, 5; doi:10.1186/s40850-019-0043-z
5. Weyrich A,, **Ortmann S**, Jewgenow K, Fickel J. (2018) Diet changes alter paternally inherited epigenetic pattern in male Wild guinea pigs. *Environmental Epigenetics*, Volume 4, Issue 2, 1 April 2018, dvy011, <https://doi.org/10.1093/eep/dvy011>
6. Brieger F,, **Ortmann S**, Suchant R (2017) Do roe deer react to wildlife warning reflectors? A test combining a controlled experiment with field observations. *Eur J Wildl Res* 63:72 DOI 10.1007/s10344-017-1130-5
7. Stillfried M,, **Ortmann S** (2017) Wild inside: urban wild boar select natural, not anthropogenic food resources. *PLoS ONE* 12(4): e0175127
8. Ohse B,, **Ortmann S**, Wirth C (2017) Salivary cues: Simulated roe deer browsing induces systemic changes in phytohormones and defense chemistry in wild-grown maple and beech saplings. *Func Ecol* 31: 340-349
9. Stillfried M,, **Ortmann S**, Kramer-Schadt S (2017) Secrets of Success in a landscape of fear: urban wild boar adjust risk perception and tolerate disturbance. *Front. Ecol. Evol.* 5:157. doi: 10.3389/fevo.2017.00157
10. Stillfried M,, **Ortmann S**, Kramer-Schadt S & Frantz AC (2017) Do cities represent sources, sinks or isolated islands for urban wild boar population structure?. *J Appl Ecol* 54: 272-281
11. Wright E,, **Ortmann S**, Robbins MM(2015) Energetic responses to variation in food availability in the two Mountain gorilla populations (*Gorilla beringei beringei*) – *American Journal Physical Anthropology* 158 (3):487–500
12. Hayward MW, **Ortmann S**, Kowalczyk R (2015) Risk perception by endangered European bison *Bison bonasus* is context (condition) dependent. *Landscape Ecol* 30: 2079–2093. doi 10.1007/s10980-015-0232-2
13. Sönnichsen L,, **Ortmann S** (2013) Behavioural responses of European roe deer to temporal variation in predation risk. *Ethology* 119(3): 233-243