Curriculum Vitae

Name **Dr. rer. nat. Sylvia Ortmann**

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Evolutionary Eology
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Education and Research Experience

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

Grants, review work, dissemination, and other professional merits

- Horst-Wiehe-Award of the German Zoological Society 1999 (biennial award for the best PhD-Thesis in zoology)
- Research and travel grants (German research foundation DFG, German academic exchange service DAAD, Leibniz-Gemeinschaft SAW, Federal Ministry of Education and Research BMBF, NaFÖG)
- Reviewer of several ecological and physiological manuscripts and grant proposals such as Leakey-Foundation, Acta Theriol.; Am. J. Physiol.; Arch. Tierz.; Behav. Ecol. Sociobiol.; R. Soc.; Biol. Lett.; Comp. Biochem. Phys.; Ethology; Eur. J. Wildl. Res.; Folia Primatol; Isot. Environ. Health S.; J. Comp. Physiol.; J. Mammal.; Mamm. Biol.; Oecologia; Zoology
- Supervisor of several PhD student and numerous Diploma, Bachelor and Master Students
- More than 10 first-Author oral presentations at international scientific conferences; more than 100 peer-reviewed articles and book chapters
- Organisation of the 9th International Conference on Behaviour, Physiology and Genetics of Wildlife, 2013, and repeated Organisation of a workshop on eco-physiology and nutrition of wildlife (2007-2013)
- Since 2013 Member of the executive board of the “Stiftung Naturschutz Berlin”
- Co-operation partner of several primate research groups worldwide.
- Research fields and interests cover life history strategies and adaptation to seasonality in wildlife (cervids, wild boar, small carnivores, marmots),

physiological strategies in nutrition and digestion, feeding ecology of Great Apes and monkeys, human/wildlife conflicts, and citizen science.

Key publications

- 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
- Stillfried M, Grass P, Boerner K, Goeritz F, Painer J, Roellig K, Wenzler M, Hofer, H, **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
- Brieger F, Hagen R, Kröschel M, Hartig F, Petersen I, **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
- Ohse B, Hammerbacher A, Seele C, Meldau S, Reichelt M, **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
- Stillfried M, Gras P, Busch M, Börner K, Kramer-Schadt S, **Ortmann S** (2017) Wild inside: urban wild boar select natural, not anthropogenic food resources. PLoS ONE 12(4): e0175127
- 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
- Sönnichsen L, Bokje M, Marchal J, Hofer H, Jędrzejewska B, Kramer-Schadt S, **Ortmann S** (2013) Behavioural responses of European roe deer to temporal variation in predation risk. Ethology 119(3): 233-243
- Hohmann G, Potts K, N'Guessan A, Fowler A, Mundry R, Ganzhorn JU, **Ortmann S** (2010) Plant foods consumed by Pan: Exploring the variation of nutritional ecology across Africa. Am J Physical Anthropology 141(3): 476-485
- Ganas J, **Ortmann S**, Robbins M (2008) Food preferences of Wild Mountain Gorillas. Am J Primatology 70 (10): 927-938
- Clauss M, Streich WJ, Schwarm A, **Ortmann S**, Hummel J (2007) The relationship of food intake and ingesta passage predicts feeding ecology in two different megaherbivore groups. OIKOS 116 (2): 209-216
- Tschöp M, Castañeda TR, Joost HG, Thöne-Reineke C, **Ortmann S**, et al (2004) Does gut hormone PYY3-36 decrease food intake in rodents? Nature, 2004 Jul 8;430(6996) doi 10.1038/nature02665
- **Ortmann S**, Prinzler J, Klaus S (2003) Self-selected macronutrient diet affects energy and glucose metabolism in brown fat-ablated mice. Obesity Research 11(12): 1536-1544
- **Ortmann S**, Heldmaier G (2000) Regulation of body temperature and energy requirements of hibernating Alpine marmots (Marmota marmota). Am. J. Physiol. 278, R698-R704