

Biographical Sketch Bernard Wallner

PERSONAL INFORMATION

Name: Wallner, Bernard
Institution: Department of Behavioral and Cognitive Biology; University of Vienna
Webpage: <https://www.behaviour.univie.ac.at/about-us/academic-staff/bernard-wallner/>

HIGHER EDUCATION

1993 – 1997 PhD, Univ of Vienna/Ethology, Austria (with greatest distinction); Prof John Dittami
1990 – 1992 MA, University of Vienna/Zoology, Austria (with greatest distinction)
2005 Habilitation Primatology/Anthropology

APPOINTMENTS/ POSITIONS

1994-97 Head of lab - EIA analysis of fecal, saliva and blood samples, Uni of Vienna, Ethology.
1998 Post doc at Prof A Zahavi's lab, Department of Zoology, Tel Aviv University
1999 Post doc at Prof JR Kaplan's lab, Wake Forest University, Winston-Salem, NC
1999-00 Employed at the Logistic Center of the University of Vienna
2001-07 Head of Quality Assurance Unit, University of Vienna
2009-14 Senior scientist at the COSB unit, Faculty of Life Sciences, Uni Vienna
2014-17 Ass Prof Department of Behavioural Biology
2017- Prof of Comparative Anthropology, Department of Behavioural Biology

FELLOWSHIPS AND AWARDS

2018 Plenary session award at WMSCI 2018, Institute of Informatics and Systematics, Orlando, FL, 2018
2017–19 Deputy head Dept Behavioural Biology
2014 Featured article of the month *Animal Behaviour* (2014); 94, iii-v.
2008 Best Paper Award J Systemics, Cybernetics and Informatics (2008); Proc; 278-284
2005-12 Research fellow Dept of Anthropology and Dept of Behavioral Biology, Uni Vienna
2005 Invited speaker to the European University Association conference: *Creativity: the intellectual funds of universities. An evolutionary approach*. Uppsala, Sweden,
2002-04 Research fellow, Department of Zoology, University of Vienna
2019 Visiting Prof University of Chicago
2019- Founding member of the monkey research station Landskron, University of Vienna
2023 Guest Prof University of Chicago

SELECTED MEMBERSHIPS

2017 – Member of Animal Ethics Board, Faculty of Life Sciences
1997- Invited member of the New York Academy of Sciences, NY

DURING LAST 5 YEARS SELECTED THIRD PARTY FUNDS/ONGOING PROJECTS

2023-2026 Novel digital technologies for behavioral research of Japanese macaques. Bridge FFG, Nummer 46728853. Co PI with PI Lena Pflüger, in cooperation with Prof. Dr. Gernot Paulus, FH Kärnten, € 380.000
2019-2023 Co-PI of the research platform Univie: The Stress of Life (SOLE) – Processes and Mechanisms underlying Everyday Life Stress, €597.000
2011-2014 subtopic (Colour and Colour Contrast perception in *M. fuscata*) Co-PI of the Cogsci Platform Univie, € 97.000
2013–2015 Emerging Field (Faculty of Life Sciences): *Comparative Human Life History: A multilevel approach* (Co-PI, with Prof Kirchengast and Prof Müller) € 15.000
2014 IP Confocal *Raman* spectroscopy (Co-PI, with Prof Valenta), € 400.000
2014-2015 PI of the Austrian Armed Forces Project: Impact of hierarchical rank on pro-social behavior and physiological stress reactions in soldiers, € 35.120
2015-2017 Investment project Univie (IP547012): Morphogenetics in comparative Anthropology (PI together with Prof Schäfer), € 96.000 |

SELECTED COLLABORATION PARTNERS

- Dr. Martina Konecna, Social behaviour in Barbary macaques, Harvard University and Uni of South Bohemia, Czech
- Dario Maestripietri, neuroendocrine mechanisms of relationship dominance, University of Chicago, USA
- Michael Huffman, behavioral molecular biology in Japanese macaques, University of Kyoto, JP

- Prof Ralf Steinborn, Development of molecular biological methods in feces Genomics Core Facility, University of Veterinary, AUT
- Austrian Armed Forces, pro-social behavior in soldiers, AUT
- Prof. Zuo-Fu Xiang, College of Life Science and Technology, Central South University of Forestry & Technology, Changsha, Hunan, China

PROFESSIONAL AND SCHOLARLY ACTIVITIES

- Scientific coordinator and management advisor at the Affenberg Landskron (since 2014).
- Editorial advisory board Journal of Systematics, Cybernetics and Informatics (since 2014)
- Editorial board Neural Regeneration Research (2009-2012)
- Editorial board Journal of Adaptive Human Behavior and Physiology (since 2018)
- Review Work: Programs: INTAS, EU; NYC Science and Engineering Fair (NYCSEF), New York Academy of Sciences; CEEPUS Networks, EU; DFG; The International Symposium on Management, Engineering and Informatics: MEI 2009, 2011, 2012 Orlando; South African Medical Research Council
- Ad hoc reviews Journals:
American Journal of Physical Anthropology; American Journal of Primatology; General Comparative Endocrinology; Hormone and Metabolic Research; Journal of Medical Primatology; Neurotoxicology and Teratology; South African Journal of Science; Hormones and Behavior; Microscopy Research and Technique; Micron; Progress in Neuro-Psychopharmacology & Biological Psychiatry; Personality and Individual Differences; Behaviour; PLoS ONE; Proceedings B Royal Society; Biological Theory; Inflammatory; AIMS Public Health; Psychoneuroendocrinology; Current Pharmaceutical Design; Animal Reproduction Science, International Journal of Primatology; Journal of Cognitive Science; Microscopy And Microanalysis; Thrombosis Research; Annals of Human Biology; etc.

CAREER BREAKS

1999-2000 Employed at the Logistic Center University of Vienna

2001-2007 Head of Quality Assurance Unit, University of Vienna

PRIMARY RESEARCH INTERESTS AND KEYWORDS

Research field: comparative anthropology

- Influence of fatty acids on: hypothalamic–pituitary–gonadal axis; hypothalamic-pituitary-adrenal axis; fat metabolism; social behavior; social hierarchy; locomotion; (in *guinea pigs, humans*)
- Effects of sexual attractiveness on: hypothalamic–pituitary–gonadal axis; hypothalamic-pituitary-adrenal axis; social behavior; social rank (in *macaque ssp., chimpanzees*)
- Behavioral molecular biology on: prosociality (OXT, OXTR), dopaminergic system; COMT metabolism (molecular biological basics of social hierarchy in primates); mtDNA and non-coding RNA (expression rates - molecular cellular stress under different environmental conditions); (in *primates, humans, guinea pigs*)
- Organizational behavior: on evolutionary aspects of human prosociality and stress perception in modern working processes and its effects on the sex ratio at birth and stress physiology in relation to socioeconomic status (in *humans*)

BOARDS

- Head of the research station Affenberg Landskron (since 2019)
- Scientific coordinator and management advisor at the Affenberg Landskron (since 2014).
- Editorial advisory board Journal of Systematics, Cybernetics and Informatics (since 2014)
- Editorial board Neural Regeneration Research (2009-2012)
- Editorial board Journal of Adaptive Human Behavior and Physiology (since 2018)
- Member of the Animal Ethics and Experimentation Board, Faculty of Life Science
- South African Medical Research Council (since 2015)