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Research field: comparative anthropology

Influence of fatty acids on

- hypothalamic–pituitary–gonadal axis
- hypothalamic-pituitary-adrenal axis
- fat metabolism
- social behavior
- social hierarchy
- biological locomotion, sports

studies in *guinea pigs, humans*

Effects of sexual attractiveness (coloration and morphological expression rates) on

- hypothalamic–pituitary–gonadal axis
- hypothalamic-pituitary-adrenal axis
- social behavior
- social rank

studies in *macaque ssp., chimpanzees*

Molecular biology

- OXTR
- Dopaminergic system
- COMT (molecular biological basics of social hierarchy in primates)
- mtDNA (molecular biological stress markers - expression rates under different environmental conditions)

studies in *non-human primates, humans, guinea pigs*

Organizational behavior

- evolutionary aspects of human pro-social behavior in the modern working process and its effects on the sex ratio at birth and stress physiology in relation to socioeconomic status

studies in *humans*

Education

- 1992 Master thesis at the University of Vienna with Greatest Distinction
- 1997 Doctor in Science (Rerum naturalis) at the University of Vienna with Greatest Distinction.

Professional Career

- 1993-1994 Establishing the enzyme immunoassay (EIA) method at Prof. Dr. J. Dittami's endocrine lab, University of Vienna
- 1994-1997 Head of lab - EIA analysis of fecal, saliva and blood samples.
- 1995 Field work at Affenberg Salem (Germany).
- 1998 Research stay at Prof. Dr. A. Zahavi's lab, Department of Zoology, Tel Aviv University
- 1999 Research stay at Wake Forest University, Winston-Salem, NC
- 1999-2000 Employed at the Logistic Center of the University of Vienna
- 2001-2007 Head of Quality Assurance Unit, University of Vienna. Responsibilities: research evaluation, research documentation, knowledge transfer
- 2002-2004 Research fellow, Department of Zoology, University of Vienna
- 2005-2012 Research fellow Department of Anthropology and Department of Behavioral Biology University of Vienna
- 2005 Habilitation Primatology/Anthropology
- 2011-2014 Associated member of the Cognitive Science Research Platform, University of Vienna
- 2012-2014 Senior scientist Department of Anthropology
- 2014-2019 Scientific coordinator and management advisor at the Affenberg Landskron (Austria).
- 2014-2017 Ass Prof Department of Behavioural Biology
- 2017- Assoc Prof for Comparative Anthropology, Department of Behavioural Biology

Existing Cooperations

- Dr. Martina Konecna, Harvard University and University of South Bohemia, Czech Republic
- Prof. Zuo-Fu Xiang, College of Life Science and Technology, Central South University of Forestry & Technology, Changsha, Hunan, China
- Prof Michael Huffman, Primate Center, University of Kyoto, Japan

- Prof Ralf Steinborn, Genomics Core Facility of VetCore University of Veterinary Medicine, Vienna
- Prof Karl-Heinz Wagner, Department of Nutritional Sciences, University Vienna
- Austrian Armed Forces
- Biogena Natural Products Company
- Dept Anthropology, University Vienna (Prof Schäfer, Prof Fieder, Dr Windhager, Doz Schaschl)
- Dr Alfred Nimmerichter, FHWN

Conference Organizing

1. Local organizing team work for the 21st International Ornithological Conference (IOC), Vienna, Austria, 1994
2. Local organizing team for the 13th Conference of the International Society for Human Ethology (ISHE), Vienna, Austria, 1996
3. Organizer of the Symposia entitled Softmoney and external Financing at Universities, Vienna, Austria, 2000
4. Local organizing team 10th International Conference on Science and Technology Indicators, Vienna, Austria, 2008
5. 14th International Society of Scientometrics and Informetrics Conference 2013 in Vienna, Austria, 2013

Esteem factors

1. **Invited member** to the New York Academy of Sciences (since 1997)
2. **World wide press release** for the co-authored paper: *Huber S, Fieder M, Wallner B, Moser G, Arnold W (2004) Birth month influences reproductive performance in contemporary women. Hum Reprod 19: 1081-1082*
BBC New, MSNBC, The Guardian, NBC 17, Macon Daily, Telegraph Health, Reuters, Medical News Today, China Daily, NBC5 News, Web MD Health, FOX, Denvers' abc 7, Industry and Business, China View, etc.
3. **Invited speaker** to the European University Association conference: *Creativity: the intellectual funds of universities. An evolutionary approach*. Uppsala, Sweden, 2005
4. **Best Paper Award** (Systemics, Cybernetics and Informatics Conference, WMSCI08) for: *Wallner B, Machatschke I, Fieder M, (2008) Occupational*

- ethology: a new perspective in occupational stress research. Journal of Systemics, Cybernetics and Informatics, Proceedings, 278-284*
5. **Press release** for the paper: **Wallner B, Machatschke I (2009) The biological basis for the evolution of sex differences in violence: the function of cholesterol and serotonin. Prog Neuropsychopharmacol Biol Psychiatry 33: 391-397**
Die Presse, Salzburger Nachrichten, Miller-McCune
 6. **Press release** for the paper:
Machatschke IH, Bauer B, Glenk LM, D, Millesi E, Wallner B (2011) Spatial learning and memory differs between single and cohabited guinea pigs. Physiol Behav 102: 311-316
ORF TV 2, die Presse, derStandard, Kronen Zeitung, Oberösterreichische Nachrichten, ORF Science, Wiener Zeitung, Neue Züricher Zeitung, Wort, Welt am Sonntag, taz, Stuttgarter Nachrichten, Mitteldeutsche Zeitung Zeit, Stern, Welt, Focus, Westfälische Nachrichten, etc.
 7. **Featured article** of the month *Animal Behaviour* (August 2014): Colour and contrast of female faces: attraction of attention and its dependence on male hormone status in *Macaca fuscata*.
 8. **Editorial Board Member:** Neural Regeneration Research (2009-2012);
Journal of Primatology (since 2011)
Editorial advisory board Journal of Systemics,
Cybernetics and Informatics (since 2014)
 9. **Review Work: Programs:** INTAS, EU; NYC Science and Engineering Fair (NYCSEF), New York Academy of Sciences; CEEPUS Networks, EU; The International Symposium on Management, Engineering and Informatics: MEI 2009, 2011, 2012 Orlando;
 10. Scientific coordinator and management advisor at the Affenberg Landskron, Austria, since 2014
 11. Scientific Advisory Board Member of Affenberg Landskron, since 2016

Ad hoc reviews for 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; etc.

Science Management and Institutional Engagement

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| 1999 – 2000 | Logistic Center of the University of Vienna – Board Member to
implement a new university act (UOG 92) |
| 2001 – 2007 | Head of Quality Assurance Unit, University of Vienna |
| 2012 – 2014 | Consultant of the deans' team at the Faculty of Life Sciences,
University of Vienna |
| 2017 – | Deputy head Dept Behavioural Biology |
| 2017 – | Member of Animal Ethics Board Faculty of Life Sciences |