

Publications

OB, contributions in Organizational behavior

Editions

Fellmann F, **Wallner** B (ed) (2012). Charles Darwin: Die Abstammung des Menschen und die Sexuelle Selektion. Stuttgart: Reclam.

Klein R, **Wallner** B (ed.) (2004). Conflict, gender, and violence. Studienverlag. (ISBN: 3-7065-1829-5).

Papers

B1) Journal articles (indexed WoS)

1. Nemeth M, **Wallner** B, Schuster D, Siutz C, Quint R, Wagner K-H, Millesi E (2020). Effects of dietary fatty acids on the social life of male Guinea pigs from adolescence to adulthood. *Hormones and Behavior*, 124, 104784
2. Schaschl H, **Wallner** B (2020). Human testis-enriched genes under positive directional selection, but little evidence for widespread episodic diversifying selection. *BMC Evolutionary Biology*, 20:27.
3. Siart B, de Oliveira FMS, Shen Q, Björkesten J, Pekar T, Steinborn R, Nimmerichter A, Kamali-Moghaddam M, **Wallner** B (2019) Protein measurements in venous plasma, earlobe capillary plasma and in plasma stored on filter paper. *Analytical Biochemistry*, 566: 146-150.
4. **Wallner** B, Windhager S, Schaschl H, Nemeth M, Pflüger LS, Fieder M, Domjanic J, Millesi E, Seilder H (2019). Sexual attractiveness: a comparative approach to morphological, behavioral and neurophysiological aspects of sexual signaling in women and nonhuman primate females. *Adaptive Human Behavior and Physiology*, 5: 164–186.
5. Pflüger, L., Pink, K. E., Böck, A., Huffmaster, M. A., & **Wallner**, B. (2019). On the sunny side of (new) life: Effect of sunshine duration on age at first reproduction in Japanese macaques (*Macaca fuscata*). *American Journal of Primatology*, <https://doi.org/10.1002/ajp.23019>

6. **Wallner** B (2019) Of course, humans are not unique!. *Animal Sentience* 23(25). Invited comment to Colin A. Chapman and Michael A. Huffman, Why do we want to think humans are different?.
7. Nemeth M, **Wallner** B, Siutz C, Elisabeth Pschernig E, Wagner K-H, Millesi E (2018). Steroid hormone concentrations and body mass are differently affected by polyunsaturated fatty acids during the oestrous cycle in guinea pigs. *Reproduction, Fertility and Development*, 30: 1077-1086
8. Nemeth M, Millesi E, Wagner K-H, **Wallner** B (2018). Saliva cortisol responses to altered plasma PUFA patterns in guinea pigs. *British Journal of Nutrition*, doi:10.1017/S0007114518002660.
9. Fieder M, Huber S, Pichl E, **Wallner** B, Seidler H (2018). Marriage gap in christians and muslims. *J Biosoc Sci*, 50: 145-160.
10. Glenk LM, Machatschke IH, Wallner B (2018). Fight or flight? Effects of vaginal oestrus on cortisol, testosterone, and behaviour in guinea pig female-female interaction. *Behavioural Processes*, 102: 311-316.
11. Nemeth M, Millesi E, Schuster D, Quint R, Wagner K-H, **Wallner** B (2018). Dietary fatty acids sex-specifically modulate guinea pig postnatal development via cortisol concentrations. *Scientific Reports*, 8:471
12. **Wallner** B, Windhager S, Schäfer K, Fieder M (2017). Creativity in Higher Education: Comparative Genetic Analyses on the Dopaminergic System in Relation to Creativity, Addiction, Schizophrenia in Humans and Non-Human Primates. *Systemics, Cybernetics and Informatics*, 17, 135-142
13. Siart B, Nimmerichter A, Vidotto C, **Wallner** B (2017). Status, Stress and Performance in Track and Field Athletes during the European Games in Baku (Azerbaijan). *Scientific Reports*, 7: 6076.
14. Nemeth M, Siutz C, Wagner K-H, Quint R, **Wallner** B (2017). Reproductive performance and gestational effort in relation to dietary fatty acids in guinea pigs. *Journal of Animal Science and Biotechnology*, 8: 28.
15. Windhager S, Bookstein FL, Millesi E, **Wallner** B, Schaefer K (2017). Patterns of correlation of facial shape with physiological measurements are more integrated than patterns of correlation with ratings. *Scientific Reports*, 7, 45340
16. Siart B, Pflüger LS, Wallner B. (2016). Pulling Rank: Military Rank Affects Hormone Levels and Fairness in an Allocation Experiment. *Frontiers in Psychology*, 7: 1750.
17. Nemeth M, Millesi E, Puehringer-Sturmayr V, Kaplan A, Wagner KH, Quint R, **Wallner** B (2016). Sex-specific effects of dietary fatty acids on saliva cortisol and

- social behavior in guinea pigs under different social environmental conditions. *Biol Sex Differ*, 7:51.
18. Jäschke JPM, Primes G, Windhager S, Fieder M, **Wallner B** (2016). Effects of Socioeconomic Status and Fairness on Salivary Cortisol. *Evol Psychol*, 6: 1-10.
 19. Nemeth M, Pschernig, E **Wallner B**, Millesi E (2016). Non-invasive cortisol measurements as indicators of physiological stress responses in guinea pigs. *PeerJ*, 4:e1590.
 20. Pflüger, LS, Gutleb DR, Hofer M, Fieder M, Steinborn R, **Wallner B** (2016). The *COMT* gene modulates cortisol excretion and aggressive behavior in the despotic primate *Macaca fuscata*. Do gene-stress effects shape social roles? *Hormones and Behavior*, 78: 220-230.
 21. **(OB)** Sorz J, **Wallner B**, Seidler H, Fieder M. (2015). High statistical noise limits conclusiveness of ranking results as a benchmarking tool for university management. *PeerJ*, 3:e1217.
 22. Nemeth M, Millesi E, Wagner K-H, **Wallner B** (2015) Sex-specific effects of diets high in unsaturated fatty acids on spatial learning and memory in guinea pigs. *PLoS ONE* 10(10): e0140485.
 23. Roubova V, Konečná M, Šmilauer P, **Wallner B** (2015). Who to groom and what for? Patterns of grooming in female Barbary macaques (*Macaca sylvanus*). *PLoS ONE*, 10: e0117298.
 24. Schaschl H, Huber S, Schäfer K, Windhager S, **Wallner B**, Fieder M (2015). Signatures of positive selection in the cis-regulatory sequences of the human oxytocin receptor (OXTR) and arginine vasopressin receptor 1a (AVPR1A) genes. *BMC Evolutionary Biology*, 15:85.
 25. Valuch C, Pflüger LS, **Wallner B**, Laeng B, Ansorge U (2015) Let an eye negotiate for itself: using eye tracking to test an evolutionary account of individual preferences for attractive faces. *Frontiers in Psychology*, 6:42.
 26. Sonnweber R, Ravignani A, Stobbe N, Schiestl G, **Wallner B**, Fitch T (2015). Rank-dependant grooming patterns and cortisol alleviation in Barbary macaques. *Am J Primatol*, 77: 688-700.
 27. **(OB)** **Wallner B**, Schaschl H, Fieder M (2014). The PhD Ethos-Mythos: what chances do have young talented researchers in reality? *Systemics, Cybernetics and Informatics*, 12: 59-61.
 28. Gutleb D, Pflüger L, **Wallner B** (2014). Semi-freie und wilde Japanmakaken – eine Meta-Analyse. *Carinthia II*, 204./124. Jahrgang.

29. Nemeth M, Millesi E, Wagner K, **Wallner B** (2014). Effects of diets high in unsaturated fatty acids on socially induced stress responses in guinea pigs. *PLoS ONE*, 9(12): e116292.
30. Pflüger, L, Valuch, C, Gutleb, D, and **Wallner, B** (2014). Colour and contrast of female faces: attraction of attention and its dependence on male hormone status in *Macaca fuscata*. *Anim Behav* 94: 61-71.
31. Windhager, S, Schaschl, H, Schaefer, K, Mitteroecker, P, Huber, S, **Wallner, B**, and Fieder, F (2014). Variation at Genes Influencing Facial Morphology Are Not Associated with Developmental Imprecision in Human Faces. *PLoS ONE* 9 (6): e99009.
32. Sonnweber RS, Stobbe N, Romero OZ, Slice DE, Fieder M, **Wallner B** (2013) A new method for the analysis of soft tissues with data acquired under field conditions. *PLoS ONE*, 8(6): e67521.
33. **Wallner B**, Fieder M, Seidler H (2012). Ownership of Dwelling Affects the Sex Ratio at Birth in Uganda. *PLoS ONE* 7 (12): e51463. doi:10.1371/journal.pone.0051463.
34. Meindl K, Windhager S, **Wallner B**, Schaefer K (2012). 2d:4d and facial shape in boys –the lower the digit ratio, the more robust the face. *Proc R Soc B* 279: 2457–2463.
35. Konečná M, Weiss A, Lhota S, **Wallner B** (2012) Temporal stability and social rank in Barbary macaques (*Macaca sylvanus*). *J Res Pers* 46 581–590.
36. **Wallner, B** (2012). The influence of nutrition on primate sociality. *J Primatol*:1:e109.
37. Grant V, Konečná M, Sonnweber R, Irwin R, and **Wallner B** (2011). Macaque mothers' pre-conception testosterone levels relate to both dominance and sex of offspring. *Anim Behav* 82: 893-899.
38. Machatschke I, Bauer B, Glenk L, Millesi E, and **Wallner B** (2011). Spatial Learning and Memory Differs between Single and Cohabitated Guinea Pigs. *Physiol Behav* 102: 311-316.
39. **Wallner B**, Aspernig D, Millesi E, and Machatschke I (2011). Non-lactating versus lactating females: a comparison of sex steroids, sexual coloration, and sexual behavior in Japanese macaques *Primates* 52: 69-75.
40. **Wallner B** and Machatschke I (2010). Effects of nutrients on aggressive behavior: A sexual dimorphism *Prog Neuropsychopharmacol Biol Psychiatry* 34: 726-727.

41. **Wallner** B and Machatschke I (2009 invited review). Influence of nutrition on aggression CAB Reviews: *Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources*, 4(075): 10.
42. **Wallner** B and Machatschke I (2009 invited). Asthma: Side effects of holistic treatment on behavior, central serotonin, and cholesterol. *Prog Neuropsychopharmacol Biol Psychiatry* 33: 912-913.
43. **Wallner** B and Machatschke I (2009). The evolution of violence in men: the function of central cholesterol and serotonin. *Prog Neuropsychopharmacol Biol Psychiatry* 33: 391-397.
44. **Wallner** B and Machatschke I (2009). To low cholesterol, impulsivity and economy: The influence of statin drugs to behavior. *Prog Neuropsychopharmacol Biol Psychiatry* 33: 746.
45. Machatschke I, Bauer B, Schrauf C, Dittami J, and **Wallner** B (2008). Conflict-involvement of male guinea pigs (*Cavia aperea f. porcellus*) as a criterion for partner monopolization. *Behav Ecol Sociobiol* 68: 1341-1350.
46. **Wallner** B, Möstl E, and Dittami J (2007). Chronic levonorgestrel treatment in *Macaca sylvanus*: effects on perineal swelling size and fecal sex steroid excretion *Neuro Endocrinol Lett* 28: 326-332.
47. (OE) Fieder M, Prossinger H, Iber K, Schäfer K, **Wallner** B, and Huber S (2006). Season-of-birth contributes to variation of university examination outcomes. *Am J Hum Biol* 18: 714-717.
48. Machatschke I, **Wallner** B, and Dittami J (2006). Impact of social environment on female chimpanzee reproductive cycles. *Horm Behav* 50: 126-131.
49. Machatschke I, Dittami J, and **Wallner** B (2006). Morphometric and hormonal changes during the chimpanzee menstrual cycle. *J Med Primatol* 35: 331-340.
50. Pretorius E, **Wallner** B, and Marx J (2006). Cortisol resistance in conditions like asthma and the involvement of 11 -Hsd-2: a hypothesis. *Horm Metab Res* (cover paper) 38: 368-376.
51. **Wallner** B, Dittami J, and Machatschke I (2006). Social stimuli cause changes of plasma oxytocin and behavior in guinea pigs. *Biol Res* 39: 251-258.
52. **Wallner** B, Dittami J, and Wallis J (2006). Influence of perineal swellings on behavior and stress reaction in levonorgestrel implanted *Macaca sylvanus* females. *Neuro Endocrinol Lett* 27: 253-256.

53. (OB) Fieder M, Huber S, Bookstein F, Iber K, Schäfer K, Winckler G, and **Wallner B** (2005). Status and reproduction in humans: new evidence for the validity of evolutionary explanations on basis of a university sample. *Ethology*, 111:940-950.
54. Möhle U, Heistermann M, Dittami J, **Wallner B**, and Hodges J (2005). Patterns of anogenital swelling size and their endocrine correlates during ovulatory cycles and early pregnancy in free-ranging Barbary macaques (*Macaca sylvanus*) of Gibraltar. *Am J Primatol*, 66:351-368.
55. (OB) **Wallner B**, Huber S, Mitterauer L, Pavlova B, and Fieder M (2005). Academic mothers have a pronounced seasonal variation in their offspring sex ratio. *Neuro Endocrinol Lett*, 26:759-762.
56. Huber S, Fieder M, **Wallner B**, Iber K, and Moser G (2004). Season of birth effects on reproduction in contemporary men and women. *Hum Reprod*, 19:445-447.
57. Huber S, Fieder M, **Wallner B**, Moser G, and Arnold W (2004). Birth month influences reproductive performance in contemporary women. *Hum Reprod*, 19:1081-1082.
58. Machatscke I, **Wallner B**, Schams D, and Dittami J (2004). Social environment, behavioral stress responses and peripheral oxytocin and cortisol in guinea pigs. *Ethology*, 110:161-176.
59. **Wallner B** and Dittami J (2003). Behavioural and physiological consequences of home advantage resource holding in male guinea pigs. *Acta Ethol*, 5:101-105.
60. (OB) **Wallner B**, Iber K, and Fieder M (2003). Age profile, personnel costs, and scientific productivity at the University of Vienna. *Scientometrics*, 58:143-153.
61. **Wallner B** and Schäfer K (2001). Endokrinologische, morphologische und soziale Einflüsse des Kontrazeptivums Levonorgestrel bei weiblichen Berberaffen (*Macaca sylvanus*). *Mitteilungen der Anthropologischen Gesellschaft Wien*, 130/131:27-37.
62. Hirschenhauser K, Möstl E, Peczely P, **Wallner B**, Dittami J, and Kotrschal K (2000). Seasonal relationships between plasma and fecal testosterone in response to GnRH in domestic ganders. *Gen Comp Endocrinol*, 118:262-272.
63. Hirschenhauser K, Möstl E, **Wallner B**, Dittami J, and Kotrschal K (2000). Endocrine and behavioural responses of male greylag geese (*Anser anser*) to pairbond challenges during the reproductive season. *Ethology*, 106:63-77.
64. Schäfer K and **Wallner B** (1999). Gedanken zur Sexualität weiblicher Primaten. *Mitteilungen der Anthropologischen Gesellschaft Wien*, 129:13-22.
65. Schäfer K, Atzwanger K, **Wallner B**, and Grammer K (1999). Human evolutionary aspects and urban dwelling features. *Coll Antropol*, 23:369-378.

66. **Wallner** B, Möstl E, Dittami J, and Prossinger H (1999). Fecal corticosteroids document stress in female Barbary macaques (*Macaca sylvanus*). *Gen Comp Endocrinol*, 113:80-86.
67. **Wallner** B, Prossinger H, and Möstl E (1999). Perineal swellings: a social and endocrine advantage for Barbary macaque females (*Macaca sylvanus*). *Coll Antropol*, 23:451-459. [IP: 0.691]
68. Barth R, **Wallner** B, Dittami J, and Schams D (1997). Circulating oxytocin in male guinea pigs effected by female cohabitation and reproductive condition. *Ann NY Acad Sc*, 807:593-595.
69. **Wallner** B and Dittami J (1997). Post estrous anogenital swelling in female Barbary macaques: the larger the better? *Ann NY Acad Sc*, 807:590-592.
70. **Wallner** B and Dittami J (1996). Attractiveness: a positive endocrine and social marker in female Barbary macaques' daily life. *Ital J Anat Embryol*, 101 (Suppl. 1):125-126.
71. **Wallner** B, Barth R, Dittami J, and Schams D (1995). Guinea pigs (*Cavia aperea f. porcellus*): Do they show pair-bonding behavior in relationship to oxytocin. *Adv Exp Med Biol*, 539:155-157

B2) Proceedings

72. Wallner B, Fieder M (2018). [Sexual dimorphism in volunteerism and job position](#). 2018 WMSCI 2018 - 22nd World Multi-Conference on Systemics, Cybernetics and Informatics, Proceedings. [International Institute of Informatics and Systemics, IIS](#), Band 3, S. 159-160
73. **Wallner** B, Fieder M (2017). Creativity: The Intellectual Funds of Universities. *Proceedings of The 8th International Multi-Conference on Complexity, Informatics and Cybernetics*, 149-152.
74. Domjanić J, Ujević D, **Wallner** B, Seidler H (2016). Increasing women's attractiveness: high heels pains and evolution – a GMM based study. 8th International Textile, Clothing & Design Conference – Magic World of Textiles, Dubrovnik, Croatia.
75. Sonnweber RS, Ravnani A, Stobbe N, Schiestl G, **Wallner** B, Fitch WT (2015). The Role of Social Styles in Grooming Patterns and Stress Alleviation. *Folia Primatol*, 86, 363-364.
76. **(OB)** Sorz J, Fieder M, **Wallner** B, Seidler H (2015). High Fluctuations of THES-Ranking Results in Lower Scoring Universities. Proceedings of ISSI 2015

Istanbul: 15th International Society of Scientometrics And Informetrics Conference, 640-645.

77. **(OB) Wallner B**, Fieder M (2014). Management, resources, and reproductive biology. *Proc 8th Int Multi-Conf Society, Cybernetics and Informatics*, 20-21.
78. **Wallner, B**, Grant, V, Konecna, M, Sonnweber, R, and Irwin, R (2012). Macaque mother's pre-conception faecal testosterone levels relate to dominance and to sex of offspring. *Veterinary Medicine Austria (Suppl. 1, 99)*:33.
79. Nemeth, M, Millesi, E, Wagner, K, and **Wallner, B** (2012) Saliva cortisol in relation to cognition and behaviour after PUFA administration in guinea pigs *Veterinary Medicine Austria(Suppl. 1, 99)*:35-36.
80. **(OB) Wallner B**, Machatschke IH, Fieder M. (2011) Social rank and prosocial behavior affect psychological perception and physiological reactions in human subordinates. *Proc 5th Int Multi-Conf Society, Cybernetics and Informatics*, 170-174.
81. **Wallner B**, Aspernig D, and Machatschke I (2009). Do *Macaca fuscata* females advertise their prospective fertility during the sexual inactive period? *Am J Primatol* 71, 88. Published Abstract.
82. **(OB) Wallner B**, Machatschke I, and Fieder M (2008, invited). Occupational ethology: a new perspective in occupational stress research. *Proceedings Journal of Systemics, Cybernetics and Informatics, Proceedings: 278-284*.
83. Dittami J, Möhle, U, Remberg V, Sablek E, Millesi E, **Wallner B**, and Hodges K (2004). Non-ejaculatory copulations in Barbary macaques: sexual strategies and adrenal secretion patterns. *Proceedings. Horm Behav*, 46: 110-111.
84. Dittami J, Moehle U, Millesi E, Reinberg V, **Wallner B**, Hodges K, Aspernig D, and Mostl E (2003). Secondary sexual characters, puberty, sexuality, and social status in Barbary and Japanese macaques. *Horm Behav*, 44: 45.
85. **Wallner B**, Aspernig D, Dittami J, and Möstl E (2002). Secondary sex characteristics in Japanese macaques: a function of rank, age or sex steroids? *Adv Ethol*, 37:153.
86. **(OB) Fieder M**, Iber K, and **Wallner B** (2002). Peer evaluation: a strength of motivation? Setting measures on basis of evaluation reports. *OECD Proceedings*.
87. **Wallner B**, Schäfer K, and Möstl E (1999). Gonadal steroid concentrations influenced by levonorgestrel: implanted versus non-implanted females of *Macaca sylvanus*. *Am J Primatol*, 49:111-112. Published Abstract.

88. **Wallner** B, Möstl E, Prossinger H, and Dittami J (1998). Secondary sexual character effects: adrenocortical and social reactions in female macaques (*Macaca sylvanus*) *Adv Ethol*, 33:49.
89. Barth R, **Wallner** B, Dittami J, and Schams D (1997). Oxytocin as a means or end to pair bonding: data from guinea pigs. *Adv Ethol*, 32:58.
90. Frigerio D, Hirschenhauser K, **Wallner** B, and Kotrschal K (1997). Experimentally increased testosterone affects behaviour and corticosterone in male greylag geese. *Adv Ethol*, 32:59.
91. Hirschenhauser K, Dittami J, Möstl E, **Wallner** B, and Kotrschal K (1997). Testosterone and behavior during different phases of reproduction in greylag geese (*Anser anser*). *Adv Ethol*, 32:61.
92. Schutz K, **Wallner** B, and Kotrschal K (1997). Diurnal patterns of steroid hormones from feces in greylag geese (*Anser anser*): hatchling to fledgling. *Adv Ethol*, 32:66.
93. **Wallner** B and Dittami J (1997). Sex appeal an important factor during infertile phases in female Barbary macaques. *Adv Ethol*, 32:143

B3) Contributions in Editions/Collections

1. **Wallner** B and Machatschke I (2009 invited review). Self-Medication: Evolutionary Origins of Ethnopharmacy. In: *Trends and Developments in Ethnopharmacology.*, ed. by E. Pretorius. Research Post, chap. 2, pp. 25-34.
2. Heistermann M, Möhle U, **Wallner** B, Dittami J, Shaw E, and Hodges K (2006). Reproductive cycle and mating patterns in female Barbary macaques. In: *The Barbary macaque. Biology and conservation*, ed. by Hodges JK, Cortes J. Nottingham University Press, chap. 7, pp. 95-107
3. **Wallner** B (2005). Übergänge zwischen nichtmenschlichen und menschlichen Primaten. In: *Grenzen des Menschseins*, ed. by Stagl J, Reinhard W. Böhlau, chap. 1, pp. 79-95.
4. **(OB)** Fieder M, **Wallner** B, and Winckler G (2004). Die Altersstruktur der Universität Wien. In: *Förderung des wissenschaftlichen Nachwuchses: Bestandsaufnahmen und Zukunftsaussichten.* (ed) Ehmer J, Goltschnigg D, Revers P, Stagl J. Edition Praesens, chap. 3, pp. 139-150.
5. Klein R and **Wallner** B (2004). Conflict, gender, and violence in Europe: research advances and programmatic challenges. In: *Conflict, Gender, and Violence*, ed. by Klein R, Wallner B. Studienverlag, chap. 1, pp. 11-26.

6. **Wallner B** (2004). Sexual dimorphism: an evolutionary view on violent behavior in human males. In: *Conflict, Gender, and Violence*, ed. by Klein R, Wallner B . Studienverlag, chap. 10, pp. 157-168.
7. **Wallner B** and Dittami J (1997). Sex appeal: a useful strategy in social life of Barbary macaque females? In: *New aspects of human Ethology*, ed. by Schmitt A, Atzwanger K, Grammer K, Schäfer K. Plenum, pp. 220-221.

Conference contributions

- 1.
2. Nemeth M, **Wallner B**, Millesi E (2020). Dietary fatty acids modulate steroid hormone concentrations and their relations to the structural and behavioral development in guinea pigs. *15th Annual Meeting of the Ethological Society*, Tübingen, Germany.
3. **Wallner B** (2019). Comparative primatology: genetic analyses on the dopaminergic system in relation to creativity, addiction, and schizophrenia. *Workshop on Brain and Behavioral Evolution in Primates*, at Ettore Majorana Centre Erice (Italy).
4. **Wallner B** (2019). The reliability of non-invasive measured cortisol as physiological stress marker. Invited seminar talk at the University of Chicago.
5. **Wallner B** (2018). Effects of social rank on pro-sociality in relation to stress physiology. *12th International Multi-Conference on Complexity, Informatics and Cybernetics*, Orlando, FL (invited key note speaker).
6. **Wallner B**, Fieder M (2018). Sexual dimorphism in volunteerism and job position. *Interdisciplinary Research Education, and Communication, WMSCI, EISTA*, Orlando FL.
7. **Wallner B**, Jäschke J, Siart B (2018). The impact of social rank on saliva cortisol and testosterone in relation to prosocial behavior in humans. *30th Annual Meeting HBES* Amsterdam, NL.
8. **Wallner B**, Jäschke J (2017). The impact of social rank on saliva cortisol in relation to prosocial behavior in humans. *11th Meeting of the North-Eastern Evolutionary Psychology Society*, Binghampton, NY.
9. Hofer M, Ziegler R, Steindorf P, Weidinger A, **Wallner B**, Steinborn R (2017). Counting mitochondrial 7S DNA copies in human cell types by chip-based digital PCR. *8th international Gene Quantification Event*, Freising.

10. **Wallner** B (2017). Higher education should nurture students' creativity. Plenary session key note speaker at *The 8th International Multi-Conference on Complexity, Informatics and Cybernetics*, Orlando.
11. **Wallner** B, Fieder (2017). Creativity: the intellectual funds of universities. *The 8th International Multi-Conference on Complexity, Informatics and Cybernetics*, Orlando (plenary invitation).
12. **Wallner** B, Hofer M, Lukas T, Steindorf P, Nemeth M, Ralf Steinborn R (2017). Effects of Fatty Acids on mtDNA and Cortisol Expressions during Social Challenge in Male Guinea Pigs. *Mitochondria in Health and Disease*, Event, New York Academy of Sciences, Nov. 2017
13. **Wallner** B, Fieder M, Pflüger L (2016). Sexual Attractiveness in Japanese Macaques (*Macaca fuscata*). 10th Meeting of the North Eastern Evolutionary Psychology Society Halifax, CA.
14. Nemeth, M, Millesi E, Pühringer-Sturmayr V, Kaplan A, Wagner, KH, **Wallner** B (2016). Dietary fatty acids modulate social hierarchies and physiological stress loads in guinea pigs. The 8th European Conference on Behavioural Biology (ECBB2016), Vienna, Austria.
15. Millesi E, Nemeth, M, Schuster D, Pühringer-Sturmayr V, **Wallner** B (2016). Effects of dietary fatty acids on social behavior and stress responses in guinea pigs. The 8th European Conference on Behavioural Biology (ECBB2016), Vienna, Austria.
16. Siart B, Nimmerichter A, Vidotto C, **Wallner** B (2016). Under Pressure: Stress and Performance in Track and Field Athletes during the European Games in Baku. The 8th European Conference on Behavioural Biology (ECBB2016), Vienna, Austria.
17. Böck A, Pflüger LS, **Wallner** B (2016). Reproductive parameters of a semi-free ranging troop of Japanese macaques. The 8th European Conference on Behavioural Biology (ECBB2016), Vienna, Austria.
18. Herzele J, Kalcher-Sommersguter E, Franz-Schaidler C, Gutleb DR, Steinborn R, **Wallner** B, Pflüger LS (2016). Is conflict behaviour of male Japanese macaques associated with polymorphisms in FKBP5? The 8th European Conference on Behavioural Biology (ECBB2016), Vienna, Austria.
19. Nemeth M, Pschernig E, **Wallner** B, Millesi E (2015). Non-invasive cortisol measurements as indicators of physiological stress responses in guinea pigs – the importance of timing sample collections. 10th International Conference on Behaviour, Physiology and Genetics of Wildlife. Berlin, Germany.

20. **Wallner** B, Fieder M (2015). The dopaminergic system: selection processes in relation to the reward system in non-human primates and humans. 10th International Conference on Behaviour, Physiology and Genetics of Wildlife. Berlin, Germany. (poster)
21. Nemeth M, Pschernig E, Wagner KH, **Wallner** B, Millesi E (2015). Non-invasive cortisol measurements as indicators of physiological stress responses in guinea pigs. Cognition and Communication Student Workshop, Vienna, Austria.
22. **Wallner** B, Schäfer K, Windhager S, Schaschl H, Fieder M (2015). Comparative Primatology: Genetic analyses of dopamine receptors, dopamine transporter and catechol-o-methyl transferase according to the mesolimbic reward system. 9th Meeting of the North-East Evolutionary Psychology Society in Boston, MA.
23. Gutleb D, Pflüger L, Hofer M, Fieder M, Steinborn R, **Wallner** B (2015). [Methodological considerations for faecal DNA genotyping on the example of macaques.](#) 14th Conference Gesellschaft für Primatologie, Leipzig.
24. Schaschl H, Windhager S, Schaefer K, Mitteroecker P, Huber S, **Wallner** B, Fieder M (2015). [Genetic variation at candidate genes involved in the determination of the human face are not associated with facial fluctuating asymmetry](#) Population Genetics Group, Sheffield.
25. Nemeth, M, Millesi, E, Wagner, K, and **Wallner**, B (2014). Interaction of unsaturated fatty acids and physiological stress in guinea pigs. 14th Rodens et Spatium (27.7.-2.8.), Lisbon.
26. Nemeth, M, Millesi, E, Wagner, K, and **Wallner**, B (2014). Unsaturated fatty acids eliminate sex differences in guinea pig spatial cognition. The European Conference on Behavioural Biology (17.7-20.7.), Prague.
27. **Wallner**, B and Fieder, F (2014). Management, Resources and Reproductive Biology. 8th International Multi-Conference on Society, Cybernetics and Informatics (IMSCI 15.7-18.7., 2014), Orlando, FL.
28. Siart B, **Wallner** B (2014). Impact of hierarchical rank on cooperative behaviour and Physiological Stress Reactions in Soldiers. 21st Stress and Behavior ISBS Conference, St-Petersburg, Russia, May 16-19, 2014.
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