

Literaturverzeichnis

- Adrian, O., Dekomien, G., Epplen, J.T. & Sachser, N. (2008a): Body weight and rearing conditions of males, female choice and paternities in a small mammal, *Cavia aperea*. Ethology 114: 897-906.
- Adrian, O., Kaiser, S., Sachser, N., Jandewerth, P., Löttker, P., Epplen, J.T. & Hennessy, M.B. (2008b): Female influences on pair formation, reproduction and male stress responses in a monogamous cavy (*Galea monasteriensis*). Horm. Behav. 53: 403-412.
- Asher, M., Oliveira, E.S. & Sachser, N. (2004): Social system and spatial organization of wild guinea pigs (*Cavia aperea*) in a natural population. J. Mammal. 85: 788-796.
- Asher, M., Lippmann, T., Epplen, J.T., Kraus, C., Trillmich, F. & Sachser, N. (2008): Large males dominate: ecology, social organization, and mating system of wild cavies, the ancestors of the guinea pig. Behav. Ecol. Sociobiol. 62: 1509-1521.
- Barash, D.P. (1974): The evolution of marmot societies: a general theory. Science 185: 415-420.
- Carter, S., Ahnert, L., Grossmann, K.E., Hrdy, S.B., Lamb, M.E., Porges, S.W. & Sachser, N. (2005): Attachment and Bonding. MIT Press, Cambridge, Massachusetts.
- Clutton-Brock, T.H. (1989): Mammalian mating systems. Proc. R. Soc. Lond. B 236: 339-372.
- Ebensberger, L.A. & Cofré, H. (2001): On the evolution of group-living in the New World cursorial hystricognath rodents. Behav. Ecol. 12: 227-236.
- Ebensberger, L.A. & Blumstein, D.T. (2006): Sociality in new world hystricognath rodents is linked to predators and burrow digging. Behav. Ecol. 17: 410-418.
- Emlen, S.T. & Oring, L.W. (1977): Ecology, sexual selection, and the evolution of mating systems. Science 197: 215-223.
- Hennessy, M.B., Hornschuh, G., Kaiser, S. & Sachser, N. (2006): Cortisol responses and social buffering: A study throughout the life span. Horm. Behav. 49: 383-390.
- Hennessy, M.B., Kaiser, S. & Sachser, N. (2009): Social buffering of the stress response: diversity, mechanism and functions. Front. Neuroendocrinol, in press.
- Herre, W. & Röhrs, M. (1990): Haustiere - zoologisch gesehen. Gustav Fischer Verlag, Stuttgart, New York.
- Hohoff, C., Solmsdorff, K., Löttker, P., Kemme, K., Epplen, J.T., Cooper, T.G. & Sachser, N. (2002): Monogamy in a new species of wild guinea pigs. Naturwissenschaften 89: 462-465.
- Hohoff, C., Franzen, K. & Sachser, N. (2003): Female choice in a promiscuous wild guinea pig, the yellow-toothed cavy (*Galea musteloides*). Behav. Ecol. Sociobiol. 53: 341-349.

- Kaiser, S., Kirtzeck, M., Hornschuh, G. & Sachser, N. (2003a): Sex specific difference in social support - a study in female guinea pigs. *Physiol Behav* 79: 297-303.
- Kaiser, S., Nübold, T., Rohlmann, I. & Sachser, N. (2003b): Pregnant female guinea pigs adapt easily to a new social environment irrespective of their rearing conditions. *Physiol. Behav.* 80: 147-153.
- Kaiser, S., Haderthauer, S., Sachser, N. & Hennessy, M.B. (2007): Social housing conditions around puberty determine later changes in plasma cortisol levels and behavior. *Physiol. Behav.* 90: 405-411.
- Kaiser, S., Krüger, C. & Sachser, N. (2009): The guinea pig. In: UFAW handbook on the care and management of laboratory and other research animals, 8th edition. Blackwell, in press.
- Kappeler, P. (2008): Verhaltensbiologie. Springer, Berlin, Heidelberg, New York.
- Keil, A., Epplen, J.T. & Sachser, N. (1999): Reproductive success of males in the promiscuous-mating yellow-toothed cavy (*Galea musteloides*). *J. Mammal* 80: 1257-1263.
- Korte, S.M., Koolhaas, J.M., Wingfield, J.C. & McEwen, B.S. (2005): The Darwinian concept of stress: benefits of allostasis and costs of allostatic load and the trade-offs in health and disease. *Neurosci. Biobehav. Rev.* 29: 3-38.
- Kraus, C., Kunkele, J. & Trillmich, F. (2003): Spacing behaviour and its implications for the mating system of a precocial small mammal: An almost asocial cavy *Cavia magnum*? *Anim. Behav.* 66: 225-238.
- Künzl, C. & Sachser, N. (1999): The behavioural endocrinology of domestication: a comparison between the domestic guinea pig (*Cavia aperea f. porcellus*) and its wild ancestor the wild cavy (*Cavia aperea*). *Horm. Behav.* 35: 28-37.
- Künzl, C., Kaiser, S., Meier, E. & Sachser, N. (2003): Is a wild mammal kept and reared in captivity still a wild animal? *Horm. Behav.* 43: 187-196.
- Lacey, E.A. & Wieczorek, J.R. (2003): The ecology of sociality in rodents: a ctenomyid perspective. *J. Mammal.* 84: 1198-1211.
- Reynolds, J.D. (1996): Animal breeding systems. *Trends Ecol. Evol.* 11: 68-72.
- Rood, J.P. (1972) Ecological and behavioural comparisons of three genera of Argentine cavies. *Anim. Behav. Monogr.* 5: 1-83.
- Rowe, D.L. & Honeycutt, R.L. (2002): Phylogenetic relationships, ecological correlates, and molecular evolution within the Cavioidea (Mammalia, Rodentia). *Mol. Biol. Evol.* 19: 263-277.

Sachser, N. (1986): Different forms of social organization at high and low population densities in guinea pigs. *Behaviour* 97: 253-272.

Sachser, N. (1994): Sozialphysiologische Untersuchungen an Hausmeerschweinchen. Gruppenstrukturen, soziale Situation und Endokrinium, Wohlergehen. Parey, Berlin.

Sachser, N. (1998): Of domestic and wild guinea pigs: studies in sociophysiology, domestication, and social evolution. *Naturwissenschaften*: 85: 307-317.

Sachser, N. & Kaiser, S.: The Social Modulation of Behavioural Development. In: *Behavior: Evolution & Mechanisms* (Kappeler, P. ed.). Springer Verlag, in press.

Sachser, N., Lick, C. & Stanzel, K. (1994): The environment, hormones, and aggressive behaviour: a 5-year-study in guinea pigs. *Psychoneuroendocrinology* 19: 697-707.

Sachser, N., Dürschlag, M. & Hirzel, D. (1998): Social relationships and the management of stress. *Psychoneuroendocrinology* 23: 891-904.

Sachser, N., Schwarz-Weig, E., Keil, A. & Epplen, J.T. (1999): Behavioural strategies, testis size, and reproductive success in two caviomorph rodents with different mating systems. *Behaviour* 136: 1203-1217.

Sachser, N., Künzl, C. & Kaiser, S. (2004): The welfare of laboratory guinea pigs. In: *The Welfare of Laboratory Animals* (Kalista, E., ed.). pp. 181-209. Kluwer Academic Publishers, Dordrecht.

Solmsdorff, K., Kock, D., Hohoff, C. & Sachser, N (2004): Comments of the genus *Galea* Meyen 1833 with description of *Galea monasteriensis* n.sp. from Bolivia (Mammalia, Rodentia, Caviidae). *Senckenbergiana biologica* 84: 137-156.

Stahnke, A. (1987): Verhaltensunterschiede zwischen Wild- und Hausmeerschweinchen. *Z. Säugetierkunde* 52: 294-307.

Trillmich, F., Kraus, C., Künkele, J., Asher, M., Clara, M., Dekomien, G., Epplen, J.T., Saralegui, A. & Sachser, N. (2004): Species-level differentiation of two cryptic species pairs of wild cavies, genera *Cavia* and *Galea*, with a discussion of the relationship between social systems and phylogeny in the Caviinae. *Can. J. Zool.* 82: 516-524.

Veenema, A.H. (2009): Early life stress, the development of aggression and neuroendocrine and neurobiological correlates: What can we learn from animal models? *Front. Neuroendocrinol.*, in press

Von Holst, D. (1998): The concept of stress and its relevance for animal behavior. In: *Advances in the Study of Behavior*, (eds D.S. Lehman, R. Hinde & E. Shaw). pp. 1-131. Academic Press, London, New York.