

Rat factfile references

1. Schweinfurth, M.K. (2020) The social life of Norway rats (*Rattus norvegicus*). *eLife*, 9:e54020 doi: 10.7554/eLife.54020
2. Berdoy, M. (2002) The laboratory rat: A natural history. Available at: <https://www.youtube.com/watch?v=giu5WjUt2GA>
3. Poling, A., Weetjens, B., Cox, C., Beyene, N., Durgin, A. and Mahoney, A. (2011) Tuberculosis detection by giant African pouched rats. *The Behavior Analyst*, 34(1):47-54.
4. Poling, A., Weetjens, B.J., Cox, C., Beyene, N.W. and Sully, A. (2010) Using giant African pouched rats (*Cricetomys gambianus*) to detect landmines. *The Psychological Record*, 60:715-728.
5. Suzuki K & Kobayashi T (2000) Numerical competence in rats (*Rattus norvegicus*): Davis and Bradford (1986) extended. *Journal of Comparative Psychology*, 114(1):73-85.
6. Dolivo, V. and Taborsky, M. (2015) Norway rats reciprocate help according to the quality of help they received. *Biology Letters*, 11:20140959 <http://doi.org/10.1098/rsbl.2014.0959>
7. Schneeberger K, Röder G, Taborsky M (2020) The smell of hunger: Norway rats provision social partners based on odour cues of need. *PLoS Biol* 18(3): e3000628. <https://doi.org/10.1371/journal.pbio.3000628>
8. Ben-Ami Bartal I, Decety J & Mason P (2011) Empathy and pro-social behavior in rats. *Science*, 334(6061):1427-30.
9. Simasko, S.M. and Mukherjee, S. (2009) Novel analysis of sleep patterns in rats separates periods of vigilance cycling from long duration wake events. *Behavioural Brain Research*, 196(2):228-236.
10. Olafsdottir, H.F., Caswell, B., Saleem, A.B., Hassabis, D. and Spiers, H.J. (2015) Hippocampal place cells construct reward related sequences through unexplored space. *eLife*, 4:e06063. DOI: 10.7554/eLife.06063
11. Panksepp, J. & Burgdorf, J. (2003) "Laughing" rats and the evolutionary antecedents of human joy? *Physiology & behavior*, 79, 533-547.
12. Cloutier, S., Panksepp, J. and Newberry, R.C. (2012) Playful handling by caretakers reduces fear of humans in the laboratory rat. *Applied Animal Behaviour Science*, 140:161-171.
13. Finlayson K, Lampe JF, Hintze S, Würbel H, Melotti L (2016) Facial indicators of positive emotions in rats. *PLoS ONE* 11(11): e0166446. <https://doi.org/10.1371/journal.pone.0166446>
14. Schweinfurth, M.K. (2020) The social life of Norway rats (*Rattus norvegicus*). *eLife*, 9:e54020 doi: 10.7554/eLife.54020
15. Davis, H., Taylor, A.A. and Norris, C. (1997) Preference for familiar humans by rats. *Psychonomic Bulletin and Review*, 4(1):118-120.
16. Bolles, R. C. (1960). Grooming behavior in the rat. *Journal of Comparative and Physiological Psychology*, 53(3):306–310.
17. Dean, K.R., Krauer, F., Walløe, L., Lingjærde, O.C., Bramanti, B., Stenseth, N.C. and Schmid, B.V. (2018) Human ectoparasites and the spread of plague in Europe during the second pandemic. *PNAS*, 115(6):1304-1309.
18. Laka, A., Arabzadeh, E., Harris, J.A. and Diamond, M.E. (2010) Correlated physiological and perceptual effects of noise in a tactile stimulus. *PNAS*, 107(17):7981-7986.

19. Arkley, K., Grant, R.A., Mitchinson, B. and Prescott, T.J. (2014) Strategy change in vibrissal active sensing during rat locomotion. *Current Biology*, 24:1507-1512.
20. Horn, C.C., Kimball, B.A., Wang, H., Kaus, J., Diemel, S., Nagy, A., Gathright, G.R., Yates, B.J. and Andrews, P.L.R. (2013) Why can't rodents vomit? A competitive behavioral, anatomical, and physiological study. *PLoS One*, 8(4):e60537 doi: 10.1371/journal.pone.0060537
21. Sayers, I. and Smith, S. (2010) 'Mice, rats, hamsters and gerbils', in Meredith, A. and Johnson-Delaney, C. (eds) *BSAVA Manual of Exotic Pets fifth edition*. UK:BSAVA, pp. 1-27.
22. Williams, C.M., Hanmer, L.A. and Riddell, P.M. (2009) The effect of the functional attributes of objects within the caged environment on interaction time in laboratory rats. *Applied Animal Behaviour Science*, 120(3-4):208-215.
23. Russell, J.C., Towns, D.R., Anderson, S.H. and Clout, M.N. (2005) Intercepting the first rat ashore. *Nature*, 437:1107.