



Seewiesen Colloquia

Speaker invited by: Dr. Simone Pika, Humboldt Research Group "Comparative Gestural Signalling"

Thursday, February 07, 2013, 13h, House 4, Lecture Room

Primate Facial Expression

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Facial expression is a communication system common to all human populations. Similar facial expressions can also be seen throughout the primate order, and even in more distantly related mammals. Thus, in order to fully understand facial expression, we need to look beyond humans and make detailed comparisons between species. Development of anatomically based, standardised coding systems have greatly facilitated both within-species and cross-species comparisons (FACS, ChimpFACS, MaqFACS, GibbonFACS, OrangFACS, DogFACS) and minimise the risks associated with attributing emotion to facial signals. Initial studies using such tools are helping to build an evolutionary framework for a better understanding of facial expression.

Who is Bridet Waller?

- 2001 MSc Evolutionary Psychology, University of Liverpool, UK
- 2005 PhD University of Portsmouth, UK
- 2006 Senior Lecturer in Psychology, University of Portsmouth, UK

Selected publications:

- Waller, B.M. & Dunbar, R.I.M. (2005). Differential behavioural effects of silent bared teeth display and relaxed open mouth display in chimpanzees (*Pan troglodytes*). *Ethology* 111, 129-142.
- Waller, B.M., Vick, S.J., Parr, L.A., Bard, K.A., Smith Pasqualini, M.C., Gothard, K. & Fuglevand, A. (2006). Intramuscular stimulation of facial muscles in humans and chimpanzees: Duchenne revisited. *Emotion*, 6(3), 367-382.
- Waller, B.M., Cray, J.J. & Burrows, A.M. (2008). Selection for universal facial emotion. *Emotion*, 8(3), 435-439.
- Slocombe, K.E., Waller, B.M. & Liebal, K. (2011). The language void: The need for multimodality in primate communication research. *Animal Behaviour*, 81(5), 919-924.
- Waller, B.M., Kuchenbuch, P., Lembeck, M., Burrows, A.M. & Liebal, K. (2012). GibbonFACS: A muscle based coding system for the hylobatids. *International Journal of Primatology*, 33(4), 809-821.
- Waller, B.M. & Micheletta, J. (2013). Facial expression in nonhuman animals. *Emotion Review*