

## Priv.-Doz. Dr. Friederike Range

### Curriculum vitae

Friederike Range studierte Biologie an der Universität Bayreuth, Deutschland (1992-1998), mit Schwerpunkt Verhaltensforschung. Ihre Forschungskarriere begann sie mit Volontariaten in Costa Rica und im Nationalpark Berchtesgaden. Für ihre Masterarbeit untersuchte sie das soziale Gefüge von erwachsenen weiblichen Rußmangaben (eine terrestrische Affenart) in Westafrika. Nach dem Studienabschluss arbeitete Range sechs Monate lang am Max-Planck-Institut für evolutionäre Anthropologie in Leipzig, bevor sie ihr Doktoratsstudium an der University of Pennsylvania, USA, begann.



Nach Abschluss des Doktoratsstudiums 2004 kehrte sie nach Europa zurück und erforschte am Konrad-Lorenz-Institut in Grünau im Almtal das Lernverhalten von Raben. Danach trat sie ihre erste Postdoc-Stelle in Wien an, bei der sie das Sozialverhalten von Seidenaffen und Hunden untersuchte. 2007 gründete sie zusammen mit Ludwig Huber und Zsófia Virányi das **Clever Dog Lab**, 2008 dann mit Zsófia Virányi und Kurt Kotrschal das **Wolf Science Center**. In einem FWF-Projekt erforschte sie Kognition und Kooperation von Hunden und Wölfen. Seit September 2011 ist sie als Universitätsassistentin und wissenschaftliche Leiterin des Clever Dog Labs am Messerli Forschungsinstitut beschäftigt.

### Forschungsschwerpunkte

- Entwicklung, emotionaler Hintergrund und kognitive Werkzeuge von Kooperation bei Hunden und Wölfen
- physikalisches Verständnis und Problemlösekompetenz
- kausales Schlussfolgern
- soziale Kognition und Verhalten
- Effekte von Domestikation
- Persönlichkeit

### Auszeichnungen

- Distinguished Scientific Award for Early Career Contribution to Psychology in the area of animal learning and behavior, comparative 2012 of the American Psychological Association (APA)
- Förderpreis der Stadt Wien 2010
- Young Investigator Award 2010 der universität Wien
- Nominiert von der Association for Psychological Science (APS) als "Rising star 2009"
- Focus of Excellence 2008 der Universität Wien

## Fellowships

- 2004: Vollstipendium (Studiengebühren und Stipendium) des Department of Psychology, University of Pennsylvania
- 2000-2003: Stipendium (Studiengebühren) des Department of Psychology, University of Pennsylvania
- 2000-2003: Doktorandenstipendium HSP III vom Deutschen Akademischen Austauschdienst

## Forschungsprojekte

- 2012-2015: The semantics of talking with the eyes and gestures: the hormonal and cognitive underpinnings of comprehending cooperative communication in domestic dogs and wolves. WWTF Cognitive Science grant 2011.
- 2010-2012: The effect of early experience on physical cognition in dogs. Gefördert vom FWF.
- 2010-2012: Cognitive Development and Aging in pet dogs. Gefördert von der Wirtschaft.
- 2009-2011: Cognitive tools and emotional context in canine cooperation. Gefördert vom FWF.

## Publikationen

Horn, L./Virányi, Zs./Miklósi, Á./Huber, L./Range, F. (2012): Domestic dogs (*Canis familiaris*) flexibly adjust their human-directed behavior to the actions of their partners in a problem situation. *Animal Cognition*, 15(1), 57-71

Kis, A./Gácsi, M./Range, F./Virányi, Zs. (2012): Object permanence in adult Common marmosets (*Callithrix jacchus*) – not everything is an “A-not-B” error that seems to be. *Animal Cognition*, 15, 97-105

Virányi, Zs./Range, F. (2011): Commentary: Evaluating the logic of perspective taking experiments. *Learning and Behavior*. DOI 10.3758/s13420-011-0040-84

Müller, C.A./Dörrenberg, S./Mayer, C./Huber, L./Range, F. (2011): Female but not male dogs respond to a size constancy violation. *Biology letters*. doi: 10.1098/rsbl.2011.0287

Range, F./Hentrup, M./Virányi, Zs. (2011): Dogs are able to solve a means-end tasks. *Animal Cognition*. doi:10.1007/s10071-011-0394-5

Range, F./Virányi, Zs. (2011): Gaze following abilities in wolves (*Canis lupus*). *PLoS ONE* 6(2): e16888. doi:10.1371/journal.pone.0016888

Faragó, T./Pongrácz, P./Miklósi, Á./Huber, L./Virányi, Zs./Range, F. (2010): Dogs' Expectation about Signalers' Body Size by Virtue of Their Growls. *PLoS ONE* 5(12): e15175. doi:10.1371/ journal.pone.0015175

- Range, F./Huber, L./Heyes, C. (2011): Automatic imitation in dogs. *Proc. R. Soc. B* 2011 278, 211-217. doi: 10.1098/rspb.2010.1142
- Faragó, T./Range, F./Virányi, Zs./Pongrácz, P. (2010): "The bone is mine" - Context-specific vocalization in dogs. *Animal Behavior*, 79, 917-925
- Fruteau, C./Range, F./Noë, R. (2010): Infanticide Risk in Free-Ranging Sooty Mangabeys, *Cercocebus atys*. *Behavioural Processes*, 83, 113-118
- Gácsi, M./Győri, B./Virányi, Zs./Kubinyi, E./Range, F./Belényi, B./Miklósi, Á. (2009): Selection for developmental shift explains dog-wolf difference in utilizing human pointing gestures. *Plos one* 4(8):e6584.doi:10.1371/journal.pone.0006584
- Huber, L./Range, F./Voelkl, B./Szucsich, A./Virányi, Zs./Miklósi, Á. (2009): The evolution of imitation: what do the capacities of non-human animals tell us about the mechanisms of imitation? *Phil. Trans. R. Soc. B*, 1-11, doi:10.1098/rstb.2009.0060
- Range, F./Heucke, S./Gruber, C./Konz, A./Huber, L./Virányi, Zs. (2009): The effect of ostensive cues on dogs' performance in a manipulative social learning task. *Applied Animal Behaviour Sciences*. 120 (3), 170-178
- Dell'mour, V./Range, F./Huber, L. (2009): Social learning and mother's behavior in manipulative tasks in infant marmosets. *American Journal of Primatology*, 71, 503-509
- Pesendorfer, M./Gunhold, T./Schiel, N./Souto, A./Huber, L./Range, F. (2009): The maintenance of traditions in marmosets: Habit or social conformity? *Plos one* 4(2): e4472. doi:10.1371/journal.pone.0004472
- Range, F./Horn, L./Virányi, Zs./Huber, L. (2009): Effort and reward: Inequity aversion in domestic dogs? *PNAS* 106 (1) 340-345
- Penner, J./Fruteau, C./Range, F./Rödel, M.-O. (2008): Finding a Needle in a Haystack: New Methods of Locating and Working with Rhinoceros Vipers (*Bitis rhinoceros*). *Herpetological Review*, 39, 310-314
- Range, F./Horn, L./Bugnyar, T./Gajdon, G.K./Huber, L. (2009): Social observing behaviour in keas, dogs, and human children. *Animal Cognition* 12 (1) 181-192
- Aust, U./Range, F./Steurer M./Huber, L. (2008): Inferential reasoning by exclusion: A comparative study of pigeons, dogs, and humans. *Animal Cognition* 11 (4) 587-597
- Range, F./Bugnyar, T./Kotrschal, K. (2008): The performance of ravens on simple discrimination tasks: a preliminary study. *Acta Ethologica* DOI: 10.1007/s10211-008-0039-0
- Aust, U./Range, F./Steurer, M./Huber, L. (2007): Reasoning by exclusion in pigeons, dogs, and humans. *Perception*, 36, 175-176
- Range, F./Aust, U./Steurer, M./Huber, L. (2007): Visual categorization of natural stimuli by domestic dogs. *Animal Cognition*. DOI 10.1007/s10071-007-0123-2
- Scheid, C./Range, F./Bugnyar, T. (2007): When, what, and whom to watch?

- Quantitative measures of attention in ravens and jackdaws. *Journal of Comparative Psychology* 121, 380-386
- Range, F./Virányi, Zs./Huber, L. (2007): Selective imitation in dogs. *Current Biology* 17, 868-872
- Range, F./Huber, L. (2007): Attention of common marmosets– Implications for social learning experiments. *Animal Behaviour* 73, 1033-1041
- Range, F./Bugnyar, T./Schloegl, C./Kotrschal, K. (2006): Individual and sex differences in learning abilities of ravens. *Behavioural Processes* 73, 100-106
- Stowe, M./Bugnyar, T./Loretto, M. C./Schloegl, C./Range, F./Kotrschal, K. (2006): Novel object exploration in ravens (*Corvus corax*): Effects of social relationships. *Behavioural Processes* 73, 68-75
- Santiago, M./Range, F./Bibollet-Ruche, F./Fruteau, F./Peho, R./Brookfield, J.F.Y./Noë, R./Sharp, P.M./Shaw, G.M./Hahn, B.H. (2005): Simian immunodeficiency virus infection in free-ranging sooty Mangabeys (*Cercocebus atys atys*) from the Tai Forest, Cote d'Ivoire: Implications for the origin of epidemic human immunodeficiency virus type 2. *Journal of Virology* 79 (19): 12515-12527
- Range, F. (2006): Social behaviour of free-ranging juvenile sooty mangabeys (*Cercocebus torquatus atys*). *Behavioural Ecology and Sociobiology*, 59 (4): 511-520
- Range, F. (2005): Female sooty mangabeys respond differently to males depending on the male's residence status – preliminary data. *American Journal of Primatology* 65: 327-333
- Range, F./Noë, R. (2005): Can simple rules account for the pattern of triadic interactions in juvenile and adult female sooty mangabeys in the Taï National Park? *Animal Behaviour* 69: 445-452
- Range, F./Fischer, J. (2004): The vocal repertoire of sooty mangabeys (*Cercocebus torquatus atys*) in the Taï National Park. *Ethology*, 110, 301-321
- Roedel M.O./Range F./Séppânen J./Noë R. (2002): Caviar in the rain forest: Monkeys as frog spawn predators in the Taï National Park, Ivory Coast. *Journal of Tropical Ecology*, 18:289-294
- Range, F./Noë, R. (2002): Familiarity and dominance relations in female sooty mangabeys in the Taï National Park. *American Journal of Primatology*, 56: 137-153