

CURRICULUM VITAE: FRIEDERIKE RANGE

PERSONAL INFORMATIONS

Name: Range, Friederike
Place and date of birth: 12.10.1971, Germany
Nationality: German
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Office: Dep. Neurobiologie- und Kognitionsforschung, Universität
Wien, Althanstrasse 14, A-1091 Wien



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EDUCATION/QUALIFICATIONS

2000 – 2004 Ph.D. University of Pennsylvania (Psychology); USA
graduation (PhD): May 17th 2004
Doctoral thesis “**The strategies employed by sooty mangabeys in a socially complex world**”
Supervisors: Prof. Dr. Robert Seyfarth & Prof. Dr. Dorothy Cheney

2000 – 2001 M.A. University of Pennsylvania (Psychology), USA
Thesis Advisors: Dr. Prof. Robert Seyfarth & Prof. Dr. Dorothy Cheney

1992 – 1998 Diplom University of Bayreuth (Animal Physiology), Germany
Graduation (MS): 4.12.1998
Master thesis: “**Social system of female sooty mangabeys**”
Thesis Advisors: Prof. Dr. von Holst & Prof. Dr. Noë

1991-92 Au-pair in Alexandria/ Washington, USA
1991 Abitur at the Engelbert-Kämpfer Gymnasium in Lemgo, Germany

POSITIONS AND EMPLOYMENT

1.4.2005-30.3.2008 Postdoctoral Research Fellow, Department of Neurobiology and Cognition, University of Vienna; European Community’s Sixth Framework Programme: NEST 012929 ‘Evolution, Development and Intentional Control of Imitation’

1.9.2004- 30.3.2005 Research Assistant, Konrad-Lorenz Institute for Ethology, Gruenau, Austria

1999 – 2000 Max-Planck Institute for evolutionary Anthropology
Employed as technical assistant to summarize empirical and theoretical data about differences in female-female relationships between chimpanzees (*Pan troglodytes*) and bonobos (*Pan paniscus*).
Advisors: Prof. Dr. Christoph Boesch & Dr. Gottfried Hohman

RESEARCH EXPERIENCES

2002 Max-Planck Institute for Evolutionary Anthropology, Germany; Project: Training to conduct acoustic analyses of non-human primate vocalizations
Advisor: Dr. Julia Fischer

2000 – 2002 Taï Monkey Project, Ivory Coast

1997 - 1998 Taï Monkey Project, Ivory Coast

1997 National Park Berchtesgaden; Germany; Project: Influences of breeding success of the Golden Eagle

1995 Costa Rica; Project: Protection of Margays

TEACHING EXPERIENCES

2005 - Teaching fellow: Introduction to methods of social learning experiments in animals. (SS 300656, L. Huber) r.300656

- 2005 - Teaching fellow: Seminar 'hot topics' in cognitive sciences (SE 300393, L. Huber)
- 2002 - 2003 Teaching assistant – Animal Behavior (University of Pennsylvania)
- 2001 Teaching assistant – Brain, Behavior and Evolution (University of Pennsylvania)

GRANTS

- 2008 Hochschuljubiläumsstiftung der Stadt Wien (Wolf Study in USA)
- 2007 Stiftung Aktion Österreich - Ungarn
- 2006 Hochschuljubiläumsstiftung der Stadt Wien (Marmoset Field Study in Brasil)

STIPENDS AND AWARDS

- 2008 Focus of Excellence (a competitive award by the Faculty of Science, University of Vienna, after evaluation of an international scientific advisory board)
- 2004 Full scholarship (Tuition and Stipend) from the Department of Psychology, University of Pennsylvania (UPENN)
- 2000 – 2003 Full scholarship (Tuition) from the Department of Psychology, UPENN
- 2000 – 2003 Doktorandenstipendium HSP III vom Deutschen Akademischen Austauschdienst (DAAD)

PEER-REVIEWED PAPERS

24 in total; 13 as first author (10 published or in press, 3 submitted or in revision), 11 as co-author (6 published, 5 submitted); three book chapters (1 as first author); 10 papers in preparation

CONFERENCE PRESENTATIONS

34 in total; 15 as first author (9 Talks, 6 Posters), 19 as co-author (4 Talk, 15 Posters)

INVITED SEMINARS AND TALKS

7 in total (Stony Brook University, USA; University of Pennsylvania, USA; University of Alabama at Birmingham, USA; University of Oxford, UK; University of Vienna, Austria); Eötvös University, HU; Plenary Talk in Berlin).

RESEARCH SUPERVISION

In the past three years I have been co-supervising a total of 13 research projects (2 BS, 11 MS) of students coming from 3 different universities but working partly at the Emerging Focus Biology of Cognition, Univ. Vienna or at the Konrad Lorenz Forschungsstelle.

CONSULTING EDITOR FOR ANIMAL BEHAVIOUR

REVIEWER FOR

Animal Behavior
Behaviour
Acta Ethologica
Journal of Comparative Psychology

PUBLICATION LIST

PEER-REVIEWED JOURNALS

- Range, F., Horn, L., Viranyi, Zs. & Huber, L (in press) Effort and reward: Inequity aversion in domestic dogs? *PNAS* (0/ 9.598)
- Range, F., Horn, L., Bugnyar, T., Gajdon, GK. & Huber, L. (in press) Social observing behaviour in keas, dogs, and human children. *Animal Cognition*
- Penner, J., Fruteau, C., Range, F., and 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.
- Aust, U., Range, F., Steurer M. & Huber, L. (2008) Inferential reasoning by exclusion: A comparative study of pigeons, dogs, and humans. *Animal Cognition* 11, 587-597
(0/2.54)
- Range, F., Bugnyar, & Kotrschal, K. (2008) The performance of ravens on simple discrimination tasks: a preliminary study. *Acta Ethologica* 11, 34-41
- 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
(0/2.54)
- 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
(0/1.552)
- Range, F., Virányi, Zs. & Huber, L. (2007) Selective imitation in dogs. *Current Biology* 17, 868-872
(3/10.988)
- Range, F. & Huber, L. (2007) Attention of common marmosets– Implications for social learning experiments. *Animal Behaviour* 73, 1033-1041.
(1/2.711)
- Range, F., Bugnyar, T., Schloegl, C. & Kotrschal, K. (2006) Individual and sex differences in learning abilities of ravens. *Behavioural Processes* 73, 100-106
(1/1.478)

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 (2006).

(3/1.478)

Santiago, M. Range, F. Bibollet-Ruche, F. Fruteau, F. Peho, R. Brookfield, JFY. Noë, R. Sharp, PM. Shaw, GM. & Hahn, BH. (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

(17/ 5.341)

Range, F. (2006) Social behaviour of free-ranging juvenile sooty mangabeys (*Cercocebus torquatus atys*). *Behavioural Ecology and Sociobiology*, 59 (4): 511-520

(0/2.316)

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

(2/1.429)

Range, F. & Noë, R. (2005) Can simple rules account for the pattern of triadic interactions in juvenile and adult female sooty mangabeys in the Tai National Park? *Animal Behaviour* 69: 445–452

(6/2.711)

Range, F. & Fischer, J. (2004) The vocal repertoire of sooty mangabeys (*Cercocebus torquatus atys*) in the Tai National Park. *Ethology*, 110, 301-321

(6/2.245)

Roedel M.O., Range F., Séppânén J. & Noë R. (2002) Caviar in the rain forest: Monkeys as frog spawn predators in the Tai National Park, Ivory Coast. *Journal of Tropical Ecology*, 18:289-294

(1/1.277)

Range, F. & Noë, R. (2002) Familiarity and dominance relations in female sooty mangabeys in the Tai National Park. *American Journal of Primatology*, 56: 137-153

(16/1.429)

SUBMITTED MANUSCRIPTS

Viranyi, Zs., Range, F., (submitted) The influence of ostension of selective imitation in dogs.

Viranyi, Zs., Stefani, D., Range, F., Huber, L. (submitted) Common marmosets (*Callithrix jacchus*) copy both a conspecific model's action and its object movement effect

- Range, F., Heucke, S., Gruber, C., Konz, A., Huber, L., Viranyi, Zs. (submitted) The effect of ostensive cues on dogs' performance in a manipulative social learning task.
- Pesendorfer, M., Gunhold, T., Schiel, N., Souto, A., Huber, L., Range, F. (submitted) The maintenance of traditions in marmosets: Habit or social conformity?
- Dell'mour, V., Range, F., Huber, L. (submitted) The ontogeny of social foraging in common marmosets.
- Fruteau, C., Range, F. & Noë, R. (submitted) Infanticide Risk in Free-Ranging Sooty Mangabeys, *Cercocebus atys*.

MANUSCRIPTS IN PREPARATION

- Friederike Range, Cecilia Heyes, Ludwig Huber: Testing the associative sequence learning theory in dogs
- Friederike Range, Ludwig Huber: The influence of social contact on social learning in common marmosets
- Helene Möslinger, Zsófia Virányi, Kurt Kotrschal, Friederike Range: Cooperative string pulling in wolves
- Zsófia Virányi, Bernadett Györök, Ludwig Huber, Friederike Range: The role of joint interaction in marmoset social learning
- Tamás Faragó, Friederike Range, Zsófia Virányi, Péter Pongrácz: "The bone is mine" - Context-specific vocalisation in dogs
- Ágnes Erdőhegyi, József Topál, András Péter, Friederike Range, Zsófia Virányi: Doggie-computer: Recognizing the pointing cue in 2D and 3D
- Lisa Horn, Péter Pongrácz, Ádám Miklósi, Ludwig Huber, Zsófia Virányi, Friederike Range: Human-Directed Gazing Behavior in Domestic Dogs (*Canis familiaris*)
- Karin Leitner, Friederike Range, Gabriella Lakatos, Ádám Miklósi, Zsófia Virányi: Dogs behaving in pairs: independence or adjusting to the partners' behaviour
- András Péter, Péter Pongrácz, Zsófia Virányi, Friederike Range: The factors influencing search behaviour in object permanence tasks: Comparing real world performance with touch screen
- Martin Tiefenthaler, Judit Vas, Ádám Miklósi, Ludwig Huber, Friederike Range: Working dogs' personalities – individual differences in sheep herding behaviour and performance in individual and social learning tasks in border collies

BOOK CHAPTERS

Virányi, Zs., Range, F. & Huber, L. (in press): Attentiveness toward others and social learning in domestic dogs. *To appear in: Learning from animals? (eds. Röska-Hardy, L. & Neumann-Held, E. M.) Psychology Press, London.*

Huber, L., Voelkl, B. & Range, F. (2007) Imitative learning in monkeys. In: *Artificial and Ambient Intelligence* (Ed. by Olivier, P. & Kray, C.), pp. 256-261. Newcastle upon Tyne: The Society for the Study of Artificial Intelligence and Simulation of Behaviour.

Range, F., Förderer, T., Meystre, Y., Benetton, C., & Fruteau, C. (2007). The structure of social relationships among Sooty Mangabeys in Tai. In R. Noë, S. McGraw & K. Zuberbuehler (Eds.), *Monkeys of the Tai Forest: An African primate community*: Cambridge University Press.

PRESENTATIONS

Range, F. & Noë, R. (2001) Familiarity and dominance relations in female sooty mangabeys. Talk presented at the 18th Meeting of the International Primatological Society, Adelaide, Australia.

Range, F. (2001) Familiarity and dominance relationships in female sooty mangabeys. Talk presented to the Department of Anthropology, Stony Brook University, Long Island, USA.

Range, F. (2001) Familiarity and dominance relationships in female sooty mangabeys. Department of Biology, University of Pennsylvania, Philadelphia, USA.

Range, F. (2003) Social organization of sooty mangabeys in the Tai National Park. Talk presented to the Research Group on SIV, Department of Medicine and Microbiology, University of Alabama at Birmingham, Birmingham, USA.

Range, F. (2003) Recognition of third-party rank relationships in sooty mangabeys. Talk presented at the Spring Meeting of the Primate Society of Great Britain, St. Andrews, Scotland.

Range, F. (2003) Social Behavior and Social Cognition in Sooty Mangabeys (*Cercocebus torquatus atys*). Talk presented to the Wildlife Conversation Unit, Department of Zoology, University of Oxford, Oxford, England.

Range, F. (2003) Recognition of third-party rank relationships in juvenile sooty mangabeys. Talk presented at the 40th Annual Meeting of the Animal Behavior Society, Boise, Idaho.

Benetton, C. Range, F., & Noë, N. (2003) Do male sooty mangabeys (*Cercocebus atys*) use coalitions as a reproductive strategy? Poster presentation at the "Goettinger Freilandtage", Goettingen, Germany.

Santiago, ML. Range, F. Bibollet-Ruche, F. Fruteau, C. Peho, R. Brookfield, JFY. Noë, R. Sharp, PM. Shaw, GM. & Hahn, BH. (Feb 2004) Endemic SIVsm infection in wild-living sooty mangabeys. Poster presentation at the 11th Conference on Retroviruses and Opportunistic Infections, San Francisco, CA.

- Range, F. (2005) Social Cognition in Sooty Mangabeys (*Cercocebus torquatus atys*) Talk presented to the Konrad-Lorenz Institute at Grünau, Department of Ethology, University of Vienna, Austria.
- Range, F., Bugnyar, T., Kotrschal, K. (2005) Simple task discriminations in ravens (*Corvus corax*) Poster presented at the Social Learning conference St. Andrews, Scotland.
- Range, F., Bugnyar, T., Stoewe, M., Schloegl C, Pribersky-Schwab C, Kotrschal K (2005) Individual learning abilities and coping styles in ravens (*Corvus corax*) Talk presented at the 19. International Ethological conference in Budapest, Hungary.
- Huber, L., Range, F., Voelkl, B. & Kasper, C., (2006) Social influences on foraging behaviour and social learning in common marmosets. *International Journal of Primatology*, Vol. 27 Suppl. (XXI Congress of the International Primatological Society), p. 539.
- Range, F., Huber, L. (2006). Imitate? Sorry, I didn't look. Attention of common marmosets. Talk presented at the ISBE 2006, 11th Congress of the International Society for Behavioral Ecology.
- Range, F. (2006) Seminar about field methods in primatology. Department of Ethology, Eötvös University, Budapest
- Range, F., Virányi, Zs., Huber, L. (2007) Selective imitation in domestic dogs. Talk presented at the Ethological Society Conference 2007 in Grünau (Social Organisation and Cognitive Tools – General Patterns in Vertebrates?).
- Range, F., Bayer, K., Aust, U., Steurer, M. & Huber, L. (2007) A new method for testing dogs cognitive abilities. Poster presented at the Ethological Society Conference 2007 in Grünau.
- Range, F., Horn, L., Pertl, M., Bugnyar, T., Gaydon, G., Tiefenthaler, M., Huber, L. (2007) Comparison of attention in a variety of species. Poster presented at the Ethological Society Conference 2007 in Grünau.
- Gunhold, T., Range, F., Huber, L. (2007) Sequence Learning in Common Marmosets (*Callithrix jacchus*). Poster presented at the Ethological Society Conference 2007 in Grünau.
- Stefáni, D., Virányi, Zs., Range, F., Huber, L. (2007) Do common marmosets (*Callithrix jacchus*) copy a conspecific's actions or their results? Poster presented at the Ethological Society Conference 2007 in Grünau.
- Range, F. 2007 Ähnliche geistige Leistungen bei Kindern und Hunden. Talk presented at the Kongress Mensch und Tier. Tiere in Prävention und Therapie in Berlin.
- Range, F., Virányi, ZS., Huber, L. (2007) The influence of ostensive cues on selective imitation in dogs. Talk presented at the 20. International Ethological Conference in Halifax, Nova Scotia, Canada.

- Aust, A., Range, F., Steurer, M., Huber, L. (2007) Comparative investigation of fast mapping in pigeons, dogs, and humans in a forced two-choice procedure. Talk presented at the 20. International Ethological Conference in Halifax, Nova Scotia, Canada.
- Stefáni, D., Virányi, Zs., Range, F., Huber, L. (2007) Do common marmosets (*Callithrix jacchus*) copy a conspecific's actions or their results? Poster presented at the 20. International Ethological Conference in Halifax, Nova Scotia, Canada.
- Range, F., Bayer, K., Aust, U., Steurer, M., Huber, L. (2007) Visual categorization of natural stimuli in domestic dogs. Poster presented at the 20. International Ethological Conference in Halifax, Nova Scotia, Canada
- Gunhold, T., Pesendorfer, MB, Schiel, N., Souto, A., Huber, L., Range, F. (2008) The maintenance of traditions in free-living marmosets: Individual habit or social conformity? Poster presented at the EDICI workshop in Vienna, Austria.
- Range, F., Heucke, S., Gruber, C., Konz, A., Huber, L., Viranyi, Zs. (2008) The effect of ostensive cues on dogs' performance in a manipulative social learning task. Poster presented at the EDICI workshop in Vienna, Austria.
- Range, F., Bayer, K., Aust, U., Steurer, M., Huber, L. (2008) The touch-screen method as an implement for dog experiments. Poster presented at the EDICI workshop in Vienna, Austria.
- Szucsich, A., Range, F., Miklosi, A., Huber, L. (2008) What dogs imitate in a "Do as I do" paradigm. Poster presented at the EDICI workshop in Vienna, Austria.
- Tiefenthaler, M., Range, F., Huber, L. (2008) Personality in dogs and its influence on social learning behaviour. Poster presented at the EDICI workshop in Vienna, Austria.
- Virányi, Zs., Range, F., Huber, L. (2008) The influence of ostensive demonstration on selective imitation in dogs. Poster presented at the EDICI workshop in Vienna, Austria.
- Erdőhegyi, Á., Péter, A., Boros, M., Range, F., Huber, L., Virányi, Zs. and Topál, J. & (2008) Doggie-computer: recognizing the pointing cue and hiding events on a computer screen. Poster presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.
- Faragó, T., Range, F., Viranyi, Zs, Pongrácz, P. (2008) "The bone is mine" - Context-specific vocalization in dogs. Poster presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.
- Horn, L., Pongrácz, P., Virányi, Zs., Huber, L., Miklósi, A., Range, F. (2008) Human-Directed Gazing Behavior in Domestic Dogs (*Canis familiaris*). Poster presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.
- Möslinger, H. Kotrschal, K., Huber, L., Range, F., Viranyi, Zs. (2008) Cooperative string pulling in wolves. Poster presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.
- Range, F., Horn, L., Viranyi, Zs., Huber, L. (2008) Effort and reward: inequity aversion in domestic dogs? Talk presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.

Tiefenthaler, M., Range, F., Vas, J., Miklósi, A., Huber, L. (2008) Working dogs' personalities – individual differences in learning performance. Poster presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.

Viranyi, Zs., Range, F. (2008) How does ostensive communication influence social learning in dogs? Talk presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.

Huber, L., Range, F., Zs. Viranyi (2008) Selective Imitation in dogs. Talk presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.

Bayer, K., Range, F., Aust, U., Steuer, M., Huber, L. (2008) The touch-screen method as an implement for dog experiments. Poster presented at the 1st Canine Science Forum, 5-9 July 2008, Budapest.

PUBLICATIONS FOR THE GENERAL PUBLIC

Range, F. 2007 Selektives Verhalten von Hunden *Wuff Hundemagazine*

Range, F. 2008 Lernen nach dem Ausschlussprinzip *Wuff Hundemagazine*