

Curriculum Vitae Kurt M. Kotrschal (May 2008)

Born May 5, 1953, Linz, Austria, married to Rosemarie Kotrschal since 1975, two Children: Katharina (5/2/78), Alexander (6/2/80); Austrian citizen.

Present Affiliation:

Director Konrad-Lorenz-Forschungsstelle für Ethologie, Grünau and Associated Professor at the University of Vienna

Academic Degrees:

1987 Habilitation: University of Salzburg, Evolutionary Change of Form and Function. Venia Legendi: Zoology: Morphology and Ecology, Neurobiology.

1981 Ph.D. (Dr. rer. nat.), University of Salzburg, Brain Structure of *Blennius incognitus* (Blenniidae: Teleostei), with Special Reference to the Aminergic System.

1979 Master's (Mag. rer. nat), University of Salzburg, Cryofixation for Light and Electron Microscopy

Research Interests:

Social Mechanisms; Social Energetics; Social Complexity and Cognition; Hormones and Behaviour; Behavioural Phenotypes; Human-Animal Companionship;

Research Models: Fish, Birds (Greylag Geese, Corvids, Northern Bald Ibis), Mammals (Cats, Dogs, Wolves Humans).

Work Experience Past:

1989-1990 Assistant Visiting Professor at the Univ. Colorado Health Sciences Center, SCHRÖDINGER Fellow (with Prof. Tom Finger).

1981-1989 Assistant Professor (Vertragsassistent), Department of Zoology, Univ. Salzburg

1984-1985 Visiting Scientist, Department of Ecology and Evolution, University of Arizona, Tucson, MAX-KADE Fellow (with Prof. D. A. Thomson).

1976-1981 Technical Assistant for Histology, Department of Zoology, Univ. Salzburg

Research Grants

Present:

- 1) Reasoning in Birds (FWF, 2008-2011);
- 2) Social Allostasis in Greylag Geese (*Anser anser*). FWF, 2005-2008.
- 3) Competitive and Cooperate Cognition in Corvids. FWF, 2006-2008.
- 4) Dog-Owner Communication. Mars Company, 2006-2008.

Several Project Proposals submitted, 20 Expired (1981-2001)

Organization of workshops and meetings

In total ten meetings organized, for example:

Personalities: Patterns, Mechanisms and Functions. ASAB Summer Meeting 2003 at the KLF in Grünau, Austria

Social Convergence in Vertebrates. EG-Meeting February 2007 at the KLF in Grünau, Austria

Teaching

A Range of Behavioural, Ecological and Evolutionary Topics, Comparative Vertebrate Anatomy and Biology, Ecomorphology, Neurobiology, General Animal Behaviour and Eco-Ethology, Ichthyology and Marine Biology; Increasing Focus on Human-Animal Interactions

15 different Courses (Lectures, from 1981); recent examples:

Dealing With the Media; Social Mechanisms; An Introduction to Behavioural Biology; Human-animal interactions, all at the University of Vienna

7 Practical Training courses, recent example:

Behavioural Biology, at the KLF in Grünau. A Three Weeks Course for Advanced Students from Austrian and European Universities.

6 different Seminars organized

27 Masters and PhD-Students supervised in the past

at present: 4 Masters Students and 3 PhDs; Associated with 3 Post-Docs.

Editorships:

From Spring 2000: Associated Editor of *Acta Ethologica* (Springer).

From January 2002: Consulting Editor of *Animal Behaviour*

Society Memberships:

ASAB, ECA, EG E:V., ISBE, ISHE, SIB.

Council Memberships:

ASAB (Association for the Study of Animal Behaviour) 2001-2004

EG (Ethologische Gesellschaft e.V.) 2001

ÖKV (Scientific Council, Österreichischer Kynologenverband) 2001

ÖWV (Scientific council, Österreichischer Wildgehegeverband) 2001

Schönbrunn Zoo (Vice President, Scientific Council) 2000

IEMT (Interdisziplinäres Institut zur Erforschung der Tier-Mensch-Beziehung): Presidency

IAHAIO (International Association of the Human-Animal Interaction Organizations): Vice President for Policy and Finance

Scientific Awards and Grants

1981-1984 Habilitations-Stipendium der Görres-Gesellschaft

1981-1985 1983 Theodor-Körner-Preis

1981-1986 1984/85 Max-Kade Stipendium

1981-1987 1985 Talentförderungsprämie Land OÖ

1981-1988 1985 Christian-Doppler-Preis Land Salzburg

1981-1989 1989/90 Schrödinger-Stipendium

More than 50 Invited Lectures and Plenaries, as well as more than 320 Contributions to Meetings (Orals and Posters)

More than 180 Publications in Refereed Journals, Books and Contributions in Books, numerous Popular Science Writings and Book Reviews

Selected Publications from 2001-2008:

KOTRSCHAL, K., T. BUGNYAR & M. STÖWE: Kognition und Neophobie bei Raben. Charadrius 37, 127-134 (2001)

KOTRSCHAL, K., G. MÜLLER und H. WINKLER (Hrsg.): Konzepte der Verhaltensforschung (Concepts of Ethology). Konrad Lorenz und die Folgen. Filander Verlag Fürth, etwa 250pp, ISBN 3-930831-33-3 (2001)

- PFEFFER, K., J. FRITZ and K. KOTRSCHAL: Hormonal correlates of being an innovative greylag goose. *Anim. Behav.* 63, 687-695 (2002)
- FRITZ, J. and K. KOTRSCHAL: On avian imitation: Cognitive and ethological perspectives. Invited Contribution in: (K. Dauterhahn & C.L. Nehaniv eds.) *Imitation in Animals and artefacts*. pp. 133-156. Cambridge, Mass.: MIT Press (2002)
- KOTRSCHAL, K. and B. ORTBAUER: Behavioural effects of the presence of a dog in the classroom. *Anthrozöos* 16: 147-159 (2003)
- FRIGERIO, D., B. WEISS, J. DITTAMI and K. KOTRSCHAL: Social allies modulate corticosterone excretion and increase success in agonistic interactions in juvenile hand-raised greylag geese (*Anser anser*). *Can. J. Zool.* 81: 1746-1754 (2003)
- BUGNYAR, T. and K. KOTRSCHAL: Leading a conspecific away from food in ravens, *Corvus corax*? *Animal Cognition* 7, 69-76 (2004).
- WEISS, B. and K. KOTRSCHAL: Effects of passive social support in juvenile greylag geese (*Anser anser*): A study from fledging to adulthood. *Ethology*, 110: 429-444 (2004)
- FRIGERIO, D., HIRSCHENHAUSER, K., MÖSTL, E., DITTAMI, J. and K. KOTRSCHAL: Experimentally elevated testosterone increases status signalling in male Greylag Geese (*Anser anser*). *Acta Ethol.* 7: 9-18 (2004)
- KOTRSCHAL, K., V. BROMUNDT and B. FÖGER: Faktor Hund - Hund. Eine sozio-ökonomische Bestandsaufnahme der Hundehaltung in Österreich. Czernin Verlag, Wien (2004), ISBN 3-7076-0199-4
- DAISLEY, J.N., BROMUNDT, V., MÖSTL, E. and K. KOTRSCHAL: Enhanced yolk testosterone influences behavioural phenotype independent of sex in Japanese quail (*Coturnix coturnix Japonica*). *Horm. Behav.* 47: 185-194 (2005)
- SCHEIBER, I.B.R., KRALJ, S. And K. KOTRSCHAL: Sampling effort/frequency necessary to infer individual acute stress responses from fecal analysis in greylag geese (*Anser anser*). In: (W. Goymann, S. Jenni-Eiermann and U. Bauchinger eds.). *Ann. N.Y. Acad. Sci.* 1046: 1-14 (2005)
- SCHEIBER, I.B.R., WEISS, B.M., FRIGERIO, D. and K. KOTRSCHAL (2005): Active and passive social support in families of Greylag geese (*Anser anser*). *Behaviour* 142: 1535-1557 (2005)
- KOTRSCHAL, K., J. HEMETSBERGER and B. WEISS: Homosociality in greylag geese. Invited Contribution in: (P. Vasey & V. Sommer, eds.) *Homosexual behaviour in animals: An evolutionary perspective*. Cambridge University Press Pp. 45-76 (2006)

- WASCHER, C.A.F., S. KRALJ, I.B.R. SCHEIBER & K. KOTRSCHAL: Heart rate and coping style in greylag geese. *J. Ornithol.* 147: 269-270 (2006)132.
- RANGE, F., BUGNYAR, T., SCHLOEGL, C. & KOTRSCHAL, K.: Individual and sex differences in learning abilities of ravens. *Behavioural Processes* 73, 100-106 (2006)
- STOEWE, M., BUGNYAR, T., LORETTO, M.-C., SCHLOEGL, C., RANGE, F. & KOTRSCHAL, K. Novel object exploration in ravens (*Corvus corax*): effects of social relationships. *Behav. Proc.* 73: 68-75 (2006)
- KRALJ-FIŠER, S., SCHEIBER, I.B.R., BLEJEC, A., E. MÖSTL & K. KOTRSCHAL: Individualities in a flock of free-ranging greylag geese: A test of behavioural and physiological consistency over time and across situations. *Hormones & Behav.* 51, 239-248 (2007)
- BUGNYAR, T., SCHWAB, C., SCHLOEGL, C., KOTRSCHAL, K. & B. HEINRICH: Ravens judge competitors through experience with play caching. *Current Biology* 17, 1-5 (2007)
- WASCHER, C.A.F., W. ARNOLD & K. KOTRSCHAL: Heart rate modulation by social contexts in greylag geese (*Anser anser*). *J. Comp. Psychol.* 122, 100-107 (2008)
- WASCHER, C.A.F., I.B.R. SCHEIBER & K. KOTRSCHAL: Heart rate modulation in bystanding geese watching social and non-social events. *Proc. Roy. Soc. B.* In press.