

## THOMAS BUGNYAR, Univ.-Prof. Mag. Dr.

Date and place of birth: 12 July 1971, Eisenstadt, Austria

Professional address: University of Vienna, Department of Behavioral and Cognitive Biology

Djerassiplatz 1, 1030 Wien, +43 1 4277 76112, thomas.bugnyar@univie.ac.at

<http://cogbio.univie.ac.at>; ORCID 0000-0002-6072-9667

### MAIN AREAS OF RESEARCH

I am interested in social behavior and the evolution of complex cognition. I pursue an integrative approach, combining concepts and methods of behavioral biology and comparative psychology and I am probably most renowned for my long-term program on ravens studied under captive and field conditions. The broad questions are (i) which abilities do individuals require to solve problems in daily life with others, (ii) what types of mental representation underlie these abilities and (iii) how are skills acquired and transmitted

### EDUCATION AND DEGREES

07.02.2001 Dissertation (Dr.rer.nat.), University of Vienna, *with honours*

10.07.1995 Diploma in Zoology (Mag.rer.nat.), University of Vienna, *with honours*

1989-1991 Study of Biology, University of Vienna, *with honours*

### PROFESSIONAL EXPERIENCE

2013 Full Professor of Cognitive Ethology, University of Vienna

2009 Visiting Professor, University of Vienna

2008 Habilitation (*venia docendi*) in Cognitive Biology, University of Vienna

2008 START fellow

2007 Lecturer, School of Psychology, University of St. Andrews, UK

2004 Erwin Schrödinger follow-up program fellow

2001 Erwin Schrödinger fellow, postdoc research associate, University of Vermont, USA

2001 Visiting fellow, Konrad Lorenz Institute for Evolution and Cognition Research, Altenberg 1999

Military service for the state of Austria (obligatory, 12 months at Red Cross)

### ACADEMIC HONORS

2019 Visiting professor at Keio University, Tokyo

2013 Member of Austrian Academy of Sciences (Junge Akademie, ÖAW)

2012 Call as Full Professor of Cognitive Ethology, University of Vienna

2008 Call as W3 Professor of Animal Social Cognition, Karl Franz University, Tübingen

2007 START Prize, the most prestigious Austrian funding body for junior scholars and scientists

awarded by an international committee of the Austrian Science Fund on behalf of the Federal Ministry for Science and Research BMWF

2007 'Focus of Excellence' of the Faculty of Life Sciences, University of Vienna, a young investigator prize awarded by the faculty's international scientific advisory board

2006 Niko-Tinbergen-Award, an international prize for outstanding publications as junior scientists awarded every two years by the Ethological Society

### GRANTS AWARDED (SELECTION OF LAST 10 YEARS)

2020 PhD education: University of Vienna, Vienna Doctoral School in Cognition, Behavior & Neuroscience: Speaker, € 508.000, 2 years, 2020-22

2020 Research: FWF, 'Social Experience and Competences in Ravens': Principal investigator (PI), stand-alone project P 33960, € 392.334,60, 4 years, 2020-24

2019 Research, Citizen Science: 'What do Crows in Vienna Zoo': Principal investigator (PI), TCS 67 Top Citizen Science, € 47.864,26, 2 years, 2020-21

2016 Research: FWF, 'Fission-fusion Dynamics and Social Cognition in Wild Ravens': Principal investigator (PI), stand-alone project P 29705, € 370.000, 4 years, 2017-20

- 2016 Research and PhD education: FWF, Co-PI in doctoral program 'Cognition & Communication': W1262-B29, € 2.400.000, 10 PIs, 3 years, 2017-21
- 2016 Infrastructure: BMWFW, Hochschulraum-Strukturmittelprojekt Computational Ethology: Co-PI, € 400.000, 4 years, 2017-20
- 2015 PhD education: University of Vienna, Vienna Doctoral School in Cognition, Behaviour & Neuroscience: Speaker, € 500.000, 4 years, 2016-19
- 2013 Networking: EU, Marie Curie Actions: International Research Staff Exchange Scheme COBRA ('Cognition and Brain'), FP7-People: PI, € 25.000, 2 years, 2014-16
- 2013 Infrastructure: BMWFW, Hochschulraum-Strukturmittelprojekt Haidlhof Research Station: Co-PI, € 1.258.000, 3 years, 2013-16
- 2011 Research: WWTF, project 'Modeling social transmission in corvids' to Dr. C. Schwab; Co-applicant & host: CS 11-008, € 360,000, 3 years, 2012-15

#### SCIENTIFIC COMMITTEES, EDITORIAL BOARDS AND REVIEWER POOL

- President of 'Ethologische Gesellschaft' (2017-2020), the international society on animal behavior in Austria, Germany, and Switzerland
- Representative of University Vienna in the governmental committees 'Tierschutzrat' (Advisory Board on Animal Welfare) and 'Tierversuchsangelegenheiten' (Com. on Animal Experimentation)
- Member of scientific advisory board of 'Tiergarten Schönbrunn' (Zoo Vienna)
- Member of Editorial boards of *Animal Behaviour* (2007-2010), *Frontiers in Comparative Psychology* (2011-21), *Frontiers in Zoology* (2016-) and EU program 'Atomium Culture' (2008-2012)
- reviewer for >10 funding organizations, including ERC, ESF, NSF, DFG, SNSF, BBSRC, NERC
- reviewer for >30 journals, including *Anim Behav*, *Anim Cogn*, *Biol Lett*, *Curr Biol*, *Ethology*, *Ibis*, *J comp Psychol*, *J Ornithol*, *Nature*, *Nature Comm*, *Nature Ecol Evol*, *PeerJ*, *PLoS Biol*, *Phil Psychol*, *Phil Trans*, *Proceedings B*, *PNAS*, *R Soc Open Sci*, *Science*, *Sci Reports*, *Trends Cogn Sci*

#### SCIENTIFIC CONTRIBUTIONS [see PUBLICATIONS](#)

#### CONFERENCES CO-/ORGANIZED (TOP 5)

- European Conference on Behavioral Biology, Vienna 2016, A
- Symposium on 'Social relationships', ASAB/IEC 2013, Newcastle, UK
- 1<sup>st</sup> International Corvid Symposium 'Ecology meets Cognition', 2012, Lund, S
- Symposium on 'Animal Social Complexity', ABS/IEC 2011, Bloomington, USA
- Workshop on 'Complex Cognition in Corvids', IEC 2005, Budapest, H

#### INVITED SEMINARS AND WORKSHOPS (TOP 5)

- Avian Cognition and Brain Consortium, 2017 and 2018, Berlin, D
- Ernst Strüngman Forum 'Evolution of Decision Making', 2011, Frankfurt, D
- Royal Society discussion meeting on social learning, 2010, Kavli Centre, UK
- Wellcome Trust school on biology of social cognition, 2009 and 2011, Cambridge, UK
- Seminars at Institutions in Aarhus, Bern, Bielefeld, Bochum, Bolzano, Budapest, Cambridge, Czeske Budeovice, Edinburgh, Exeter, Freiburg, Göttingen, Graz, Groningen, Hamburg, Kyoto, Leipzig, Lincoln, Linz, London, Lund, Mainz, Neuchatel, Philadelphia, Prague, Rome, Salzburg, Seewiesen, St Andrews, Strasbourg, Stirling, Tokyo, Trieste, Tübingen, Utrecht, Zagreb, Zürich