
Kristina B. Beck | Curriculum vitae

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CURRENT POSITION AND ACADEMIC EDUCATION

- Sept 2020 – Mar 2023 **Postdoctoral researcher** at the University of Oxford, Oxford, United Kingdom. Project: The ecology of behavioural contagions in natural systems (Advisor Prof. Ben Sheldon)
- Sept 2016 – Aug 2020 **PhD student** at the Max Planck Institute for Ornithology within the International Max Planck Research School for Organismal Biology (IMPRS), Seewiesen, Germany. Dissertation project: The link between social environment and patterns of extra-pair paternity (Supervisors: Prof. Bart Kempenaers, Dr. Mihai Valcu and Dr. Damien Farine)
- Oct 2014 – July 2016 **MSc** - University of Vienna, Austria, program: Behavioural, neuro- and cognitive biology. Master thesis project: Tadpole transport trajectories of the neotropical frog, *Allobates femoralis*. (Supervisors: Prof. Walter Hödl, Dr. Andrius Pašukonis, Dr. Max Ringler)
- Oct 2010 – Aug 2014 **BSc** - Ludwig-Maximilian University (LMU), Munich, Germany, program: Biology. Bachelor thesis project: Social interactions of juvenile scarlet macaws before and after a release. (Supervisor: Prof. Niels Dingemans)

ADDITIONAL RESEARCH EXPERIENCE

- June 2018, 2019 **Field assistant** in Alaska. Project: Movement and mating behaviour in the Red phalarope, *Phalaropus fulicarius*. Max Planck Institute for Ornithology
- Feb 2016 **Field assistant** in French Guiana. Project: Induced tadpole transport in a poison frog. University of Vienna
- Aug – Sept 2014 **Research internship** at the Konrad Lorenz Research Station, Austria and the Max Planck Institute for Ornithology in Seewiesen, Germany. Project: Local and stimulus enhancement in juvenile ravens. (Supervisor: Prof. Thomas Bugnyar)
- April – Aug,
Nov – Dec 2013 **Research internship** at the Konrad Lorenz Research Station, Austria. Project: Effects of site fidelity on food caching behaviour of common ravens. (Supervisors: Dr. Matthias Loretto, Prof. Thomas Bugnyar)
- Aug 2012 **Research internship** at the Department of Behavioural Ecology, LMU, Germany. Project: Distribution of the ant *Formica fusca* in urban playgrounds (Supervisor: Prof. Volker Witte)

PUBLICATIONS

PUBLICATIONS (PEER REVIEWED)

Regan CE, **Beck KB**, McMahon K, Crofts S, Firth JA, Sheldon BC (2022). Social phenotype-dependent selection of social environment in wild great and blue tits: an experimental study. *Proceedings of the Royal Society B*, 289(1986), 20221602. <https://doi.org/10.1098/rspb.2022.1602>

Santema P, Schlicht L, **Beck KB**, Kempenaers B. 2021. Effects of exposure to predator models on fledging behaviour in blue tits. *Animal Behaviour*, 181, 61-69. <https://doi.org/10.1016/j.anbehav.2021.08.030>

Beck KB, Farine DR, Kempenaers B. 2021. Social network position predicts male mating success in a small passerine. *Behavioral Ecology*, 32(5), 856-864. <https://doi.org/10.1093/beheco/arab034>

Cantor M, Maldonado-Chaparro AA, **Beck KB**, Carter GG, He P, Hillemann F, Klarevas-Irby JA, Lang SDJ, Ogino M, Papageorgiou D, Prox L, Farine DR. 2020. The importance of individual-to-society feedbacks in animal ecology and evolution. *Journal of Animal Ecology*, 90 (1), 27-44. <https://doi.org/10.1111/1365-2656.13336>

Beck KB, Valcu M, Kempenaers B. 2020. Analysis of within-individual variation in extra-pair paternity in blue tits (*Cyanistes caeruleus*) shows low repeatability and little effect of changes in neighbourhood. *Behavioral Ecology*, 31(6), 1303-1315. <https://doi.org/10.1093/beheco/araa069>

Beck KB*, Loretto M-C*, Bugnyar T. 2020. Effects of site fidelity, group size and age on food caching behaviour of common ravens. *Animal Behaviour*, 164, 51-64. <https://doi.org/10.1016/j.anbehav.2020.03.015>

* shared first authors

Beck KB, Farine DR, Kempenaers B. 2020. Winter associations predict social and extra-pair mating patterns in a wild songbird. *Proceedings of the Royal Society B*, 287(1921), 20192606. <https://doi.org/10.1098/rspb.2019.2606>

Beck KB, Loretto M-C, Ringler M, Hödl W, Pašukonis A. 2017. Relying on known or exploring for new? Movement patterns and reproductive resource use in a tadpole-transporting frog. *PeerJ* 5:e3745. <https://doi.org/10.7717/peerj.3745>

Pašukonis A*, **Beck KB***, Fischer MT, Weinlein S, Stückler S, Ringler E. 2017. Induced parental care in a poison frog: a tadpole cross-fostering experiment. *Journal of Experimental Biology*, 220(21), 3949-3954. <http://jeb.biologists.org/content/220/21/3949>

* shared first authors

Ringler E, **Beck KB**, Weinlein S, Huber L, Ringler M. 2017. Adopt, ignore, or kill? Male poison frogs adjust parental decisions according to their territorial status. *Scientific Reports*, 7, 43544. <http://doi.org/10.1038/srep43544>

COMMENTARIES

Beck KB & Firth JA. 2021. Innovation in the city. *Current Biology* (17): 32-41.
<https://doi.org/10.1016/j.cub.2021.08.025>

PEER REVIEW ACTIVITIES

Journals: *Animal Behaviour*, *Biology Letters*, *Journal of Ornithology*, *Zoological Letters*, *Scientific Reports*, *Hormones and Behaviour*, *Behavioural Ecology and Sociobiology*, *Behavioral Ecology*, *Proceedings B*.

CONFERENCE CONTRIBUTIONS

Beck KB, Regan CE, McMahon K, Crofts S, Firth JA, Sheldon BC. 2022: Experimentally testing the effect of local population density on social structure and patch discovery in great tits. Hole-nesting birds conference, Oxford, UK, talk.

Beck KB, Regan CE, McMahon K, Crofts S, Firth JA, Sheldon BC. 2022: Experimentally testing the effect of local population density on social structure and patch discovery in great tits. ISBE, Stockholm, Sweden, talk.

Beck KB, Sheldon BC, Firth JA. 2021: Behavioural contagions – Quantifying the transmission pathways through social networks. 4th annual ESLR workshop, virtual, talk. (**best talk award**)

Beck KB, Valcu M, Kempenaers B. 2019: Within-individual variation in extra-pair paternity in blue tits. ASAB summer meeting, Konstanz, Germany, talk

Beck KB, Farine D, Valcu M, Kempenaers B. 2017: Influence of the social environment on extra-pair paternity in blue tits. 11th Göttinger Freilandtage, Göttingen, Germany, poster

Beck KB, Ringler E, Fischer MT, Weinlein S, Hödl W, Pašukonis A. 2016: Tadpole cross-fostering induces complex parental and spatial behaviour in poison frogs. 8th ECBB, Vienna, Austria, poster (**best poster award**)

Beck KB, Loretto M-C, Ringler M, Hödl W, Pašukonis A. 2016: Movement patterns and spatial orientation in tadpole transporting frogs. 8th ECBB, Vienna, Austria, poster

Beck KB, Loretto M-C, Hödl W, Pašukonis A. 2015: Tadpole transport trajectories in the neotropical frog, *Allobates femoralis*. Graduate Meeting “Studying Animal Behaviour in the Field” in Grünau, Austria, talk

Beck KB, Pašukonis A, Hödl W. 2015: Räumliche Orientierung von Pfeilgiftfröschen – Kaulquappentransport von *Allobates femoralis*. 39. Internationales Symposium Mensch-Tier-Umwelt, Vienna, Austria, talk

GRANTS

Erasmus Internship Scholarship (1550 €)

Research Grant of the Ethological Society for master thesis (500 €)

Short-term grant abroad (KWA) (1400 €)

Research scholarship for master thesis (University of Vienna) (1000 €)

TEACHING EXPERIENCE

Sept 2021 – May 2022	Co-supervision of master thesis: ‘Evidence of plasticity in foraging strategies as a response to competition in a population of wild great tits’, University of Oxford
Dec 2021	Instructor: Tutorial on social network analysis, University of Oxford
Apr 2021, 2022	Teaching Assistant: Field course on bird biology in Wytham Woods, University of Oxford
Nov 2017 – Apr 2018	Instructor: Handling and processing of blue tits. Max Planck Institute for Ornithology, Seewiesen
Nov 2018 – Apr 2019	
July 2015	Instructor: Workshop at the Children’s University Almtal and Ennstal, Austria: “Science for children.”
Aug 2014, 2015	Instructor: Seminar at the Children’s University Steyr, Austria: “Smart, black birds. How can you investigate the behaviour of Corvids?”
Apr - Aug 2012	Teaching Assistant: Practical course on animal biodiversity. Ludwig-Maximilian University, Munich, Germany
Oct - Dec 2011	Teaching Assistant: Practical course on zoology. Ludwig-Maximilian University, Munich, Germany

CO-ORGANIZED SCIENTIFIC EVENTS

Sept 2022	Hole-nesting birds conference, Oxford, United Kingdom
Jan 2017	Student Conference on “Social network analysis”, Radolfzell, Germany

PARTICIPATION IN WORKSHOPS

July 2021	Tracing transmission – From nodes to networks (Virtual workshop by the ESLR)
Oct 2019/Feb 2020	Advanced scientific writing (IMPRS Workshop by Dr. Wolfgang Goymann, Dr. Robert Kraus, Dr. Kamran Safi, Dr. Dina Dechmann)
Apr 2017	Introduction to scientific writing (IMPRS Workshop by Dr. Brian Cusack)
Jan 2017	Social network analysis (IMPRS Workshop by Dr. Damien Farine)
Nov 2016	Introduction into R (IMPRS Workshop by Dr. Kamran Safi)
Sept 2015	Introduction into R; How to analyse an animal’s home range (Graduate Meeting “Studying Animal Behaviour in the Field” in Austria 2015)
Apr 2015	Animal social networks in behavioural research (University of Neuchâtel)
Oct 2014	Bio-logging – new ways of animal tracking (Max Planck Institute for Ornithology, Radolfzell)