

Curriculum Vitae

Prof. Tobias Uller

Professor of Evolutionary Biology, Lund University

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Date of Birth: December 29, 1977 (43 yr), Nationality: Swedish

(i) Appointments

Professor of Evolutionary Biology	Lund University	2016 – present
Senior Lecturer in Evolutionary Biology	Lund University	2015 – 2016
Researcher	Lund University	2013 – 2015
College Tutor, St John's College	University of Oxford	2012 – 2013
College Tutor, Balliol College	University of Oxford	2010 – 2011
Departmental Lecturer	University of Oxford	2007 – 2012

(ii) Fellowships

Wallenberg Academy Fellow	Lund University	2013 – 2018
Royal Society University Research Fellow	University of Oxford	2012 – 2015
Fulbright Fellow	University of Arizona	2008
Wenner-Gren Fellow	University of Wollongong	2005 – 2007

(iii) Education

PhD, Animal Ecology	University of Gothenburg	2001 – 2004
BSc, Animal Ecology	University of Gothenburg	1996 – 2000

(iv) Statistics

Publication of 167 papers in international journals, 17 book chapters, and two edited books. H-score: 50, Citations: ~10500 (Source: Google Scholar, March 12, 2021)

(v) Research funding, selected

> 100 MSEK in grant income as principal investigator, including:

- Wallenberg Academy Fellowship, 9.0 MSEK, 2013-2018
- John Templeton Foundation, ca 75.0 MSEK, *Putting the extended evolutionary synthesis to the test*, 2016-2019 (with Prof. K Laland), involving 8 universities, ca 15 MSEK to Lund University
- Swedish Research Council Project Grant, 3.5 MSEK, *Unravelling the genomic signature of sexually selected introgression in lizards*, 2018-2021
- Royal Society University Research Fellow, ca 7.5 MSEK, *Epigenetics in context*, 2012-2015
- FP-7 Large International Collaboration Grant (co-applicant), 100 MSEK of which ca 4.5 MSEK to my group, *Developmental determinants of ageing and longevity*, 2010-2015
- Swedish Research Council Project Grant, 2.55 MSEK, *Unravelling the genomic signature of sexually selected introgression in lizards*, 2015-2017

(vi) Esteem

- Elected member of the Royal Physiographic Society, 2020
- The Tage Erlander Prize, awarded by the Swedish Royal Academy of Sciences, 2018

- Christofer Barnard Award for Outstanding Contributions by a Young Investigator, awarded by the Association for the Study of Animal Behaviour, 2009
- >35 invited plenaries or key notes at international congresses, symposia, and workshops
- 36 invited Departmental Seminars: Cambridge, Oxford[2], Edinburgh, Glasgow, Sheffield, Liverpool, Birmingham, Sussex, Bristol, Manchester, Institute of Zoology London, Cork, Valencia, Madrid, Groningen, Wageningen, Basel, Zurich, Berlin, Munich, Konstanz, Helsinki[2], Copenhagen, Oslo, Lund, Stockholm, Uppsala, Antwerpen, Trondheim; Iowa State University, Australia National University, Tasmania[2], University of New South Wales
- Advisory Editor for the *Journal of Experimental Zoology* (2013 – present), Associate Editor for *Behaviour* (2009 – 2016) and Guest Editor for the *Phil Trans Roy Soc* (2009)
- Member of the peer review colleges of Natural Environmental Research Council UK (2010-2017), British Ecological Society (2012-2017), the Swedish Research Council (2018-current)

(vii) Further evidence of academic leadership

- Leader of a 75 MSEK integrative research program involving 50 researchers at eight primary institutions in Sweden (Lund), the UK (e.g., Cambridge) and the USA (e.g., Stanford)
- Lead organiser of > 10 international meetings and workshops (e.g., *Evolution Evolving*, Cambridge 2019, KLI Workshop in Klosterneuburg, Austria, and two Santa Fe Workshops, USA) and symposia at international conferences (e.g., European Society for Evolutionary Biology, World Congress of Herpetology)
- External examiner of 8 PhD theses in the UK, Finland, France, Spain, Sweden and Australia, Internal examiner of 6 PhD theses at the University of Oxford
- Supervisor of 8 PhD students (5 as primary supervisor and 3 as active co-supervisor), and > 15 MSc students in Sweden, Australia and the UK.
- Host/Employer of 15 postdoctoral researchers and fellows (6 current)
- Member of the Steering Committee, Department of Biology, Lund University (2018-present)
- Member of the Science Board, Faculty of Sciences, Lund University (2020-present)
- Swedish Research Council, Panel Member (2018 & 2019) and Chair (2020-present) of the Organismal Biology Panel, NT-11

(viii) Media and public engagement

- Broad coverage by television (e.g., *the One Show* BBC1, national news in Australia), radio (in Sweden and Australia), newspapers (Australia, Asia, North America, Europe), leading science blogs (e.g., PlatoFootnote.org), scientific magazines (e.g., *Nature*), popular science magazines (e.g., *National Geographic*, *Discovery Magazine*), and in books (e.g., *The Animal Kingdom. A Very Brief Introduction*, P. Holland, OUP).
- Advisor on matters related to non-native species to Natural England and several NGOs
- Member of the National Committee of Biology at the Swedish Royal Academy of Sciences

(ix) Research Profile

My research combines field studies and laboratory experiments with comparative methods, guided by mathematical modelling and conceptual analyses. Projects span across a range of topics, but most are designed to reveal how the development, physiology and behaviour of organisms influence their evolution.

(x) Representative Publications

Books

- Kampourakis, K. & **Uller, T.** 2020. *Philosophy of Science for Biologists*. Cambridge University Press
- Uller, T.** & Laland, K.N. 2019. *Evolutionary Causation. Biological and Philosophical Reflections*. MIT Press

10 representative papers

- Yang, W., Feiner, N., Pinho, C., While, G.M., Kaliontzopoulou, A., Harris, D.J., Salvi, D. & **Uller, T.** Rampant introgression and mosaic genomes of Mediterranean endemic lizards. *Nature Communications* 12:2762
- Feiner, N., Jackson, I.S.C., Stanley, E.L. & **Uller, T.** 2021. Evolution of the locomotor skeleton in *Anolis* lizards reflects the interplay between ecological opportunity and phylogenetic inertia. *Nature Communications* 12:1525
- Ruiz Miñano, M., [...] & **Uller, T.** 2021. Climate shapes the geographic distribution and introgressive spread of colour ornamentation in common wall lizards. *American Naturalist*, in press.
- Feiner, N., Jackson, I.S.C., Munch, K.L., Radersma, R. & **Uller, T.** 2020. Plasticity and evolutionary convergence in the locomotor skeleton of Greater Antillean *Anolis* lizards. *eLife* 9:e57468.
- Radersma, R., Noble, D.A.W. & **Uller, T.** 2020. Plasticity leaves a phenotypic signature during local adaptation. *Evolution Letters* 4:360-370
- Noble, D.W.A., Radersma, R. & **Uller, T.** 2019. Plastic responses to novel environments are biased towards phenotype dimensions with high additive genetic variation. *Proceedings of the National Academy of Sciences of the USA* 116: 13452-13461
- Uller, T.** & Helanterä, H. 2019. Niche construction and conceptual change in evolutionary biology. *British Journal for the Philosophy of Science* 70:351-377
- Tobi, E.W., van den Heuvel, J., Zwaan, B.J., Lumey, L.H., Heijmans, B.T. & **Uller, T.** 2018. Selective survival of embryos can explain DNA methylation signatures of adverse prenatal environments. *Cell Reports* 25: 2660-2667
- Laland, K.N., Sterelny, K., Odling-Smee, J., Hoppitt, W. & **Uller, T.** 2011. Cause and effect in biology revisited: Is Mayr's proximate-ultimate distinction still useful? *Science* 334:1512-1516
- Pen, I., **Uller, T.**, Feldmeyer, B., Harts, A., While, G. M. & Wapstra, E. 2010. Climate-driven population divergence in sex-determining systems. *Nature* 468: 436-439