

Professor Tobias Uller

Professor of Evolutionary Biology, Lund University

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Date of Birth: December 29, 1977, Nationality: Swedish

EDUCATION

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

APPOINTMENTS

2016 – present Professor of Evolutionary Biology, Lund University
2015 – 2016 Senior Lecturer, Lund University
2013 – 2015 Researcher, Lund University (30%)
2013 – 2015 Researcher, University of Oxford (70%)
2012 – 2013 College Tutor, St John’s College, University of Oxford
2010 – 2011 College Tutor, Balliol College, University of Oxford
2007 – 2012 Departmental Lecturer, University of Oxford
Current position approx. 50% administrative duties, 20% teaching and 30% research

FELLOWSHIPS

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

RESEARCH FUNDING, SELECTED (Mkr = million Swedish kronor, SEK)

2025 – 2029 Wallenberg Scholar, 20 Mkr
2024 – 2026 FORMAS Project Grant, 3.0 Mkr
2022 – 2025 Swedish Research Council Project Grant, 3.6 Mkr
2021 – 2024 John Templeton Foundation, sub-award project 5.3 Mkr (total ~120 Mkr)
2018 – 2021 Swedish Research Council Project Grant, 3.6 Mkr
2013 – 2015 Wallenberg Academy Fellowship, 9.0 Mkr
2016 – 2017 John Templeton Foundation, 75.0 Mkr (with Prof. K Laland)
2015 – 2017 Swedish Research Council Project Grant, 2.6 Mkr
2012 – 2018 Royal Society University Research Fellow, 7.5 Mkr (terminated 2015)
2010 – 2015 FP-7 Large International Collaboration, subaward 4.5 Mkr (total ~100 Mkr)

ESTEEM

2024 Wallenberg Scholar
2020 Elected member of the Royal Physiographic Society, Sweden
2018 The Tage Erlander Prize, awarded by the Royal Swedish Academy of Sciences
2009 Christofer Barnard Award, Association for the Study of Animal Behaviour

- 38 invited plenaries or key notes at international congresses, symposia, and workshops, including at the Jacques Monod Conference (2024), Society for Experimental Biology Symposium (2023), EMBL meeting (2022), EMBO meeting (2021), Max Planck Institute meeting (2019), European Society for Herpetology Congress (2019), the Royal Society & British Academy (2018), European Society for Evolutionary Biology (ESEB, 2017), ESEB PhD Congress (2018 & 2007), Australasian Evolution Congress (2017)

- 40 invited Departmental Seminars in Europe, North America and Australia (e.g., 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, Bochum, Montpellier, Helsinki[2], Copenhagen, Oslo[2], Trondheim, Lund, Stockholm, Uppsala, Antwerpen, Iowa State University, Australia National University, Tasmania[2], University of New South Wales)
- Member of evaluation panels of the ERC-Stg (LS8, 2022-present), Swedish Research Council (2018-2021, chair 2020-2021), the Natural Environmental Research Council UK (2010-2015), and the British Ecological Society (2012-2017).

SUPERVISION

- Supervision of 9 PhD students: L Caroli (current), G Martin Bideguren (current, co-supervisor), A Hegg (Lund, 2021); S Michaelides (Oxford, 2015); R Heathcote (Oxford, 2013); H MacGregor (Tasmania, 2016, co-sup); G While (Tasmania, 2008, co-sup); M Healey (Wollongong, 2008, co-sup); J Sagvik (Göteborg, 2008, co-sup). Supervision of ~20 MSc students.
- Primary host for 18 postdoctoral researchers, at the University of Oxford (G While 2008-2011; U Paredes 2011-2013; S English 2012-2015; E Tobi 2015-2016) and at Lund University (N Feiner 2015-2019; R Radersma 2015-2019; W Yang 2015-2020; A Cordero 2015-2017; I Jackson 2017-2019; D Rago 2017-2019; M Brun-Usan 2018-2020; R Zug 2018-2020; A Pettersen 2017-2020; K MacLeod 2019-2021; J Abalos 2021-2014; J Isanta-Navarro 2022-2023; L Milocco 2022-current; R Garcia-Roa 2022-current).

TEACHING

- Formal education in higher education, and 16 years of teaching experience at the University of Oxford (2007-2015) and Lund University (2015–present)
- Coordinator and main teacher for the MSc program in Evolutionary Biology, 2022-present
- Departmental Representative of Graduate Studies in Biology, Lund, 2018–2023
- Examination Board at the University of Oxford, Balliol and St John’s Colleges, 2010-2012

FURTHER EVIDENCE OF ACADEMIC LEADERSHIP

- Leader of a 75 Mkr 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, Austria, two Santa Fe Workshops, USA) and symposia at international conferences (e.g., European Society for Evolutionary Biology)
- Advisory Editor of the *Journal of Experimental Zoology* (2013 – present), Associate Editor of *Behaviour* (2009 – 2016)
- External examiner of 10 PhD theses in the UK, the Netherlands, Finland, France, Spain, Sweden and Australia, Internal examiner of 6 PhD theses at the University of Oxford
- Assistant & Deputy Head of the Department of Biology, Lund University (2022-present)
- Panel member, ERC-Stg, European Research Council (2022-2024)
- Panel chair, Ecology & Organismal Biology, Swedish Research Council (2020-2021)
- Panel member, ERC-Stg, European Research Council (2022-2024)
- Panel member, NT-D, Swedish research Council (2018-2019)
- Member of the Scientific Board, Faculty of Sciences, Lund University (2020-2021, 2024-)
- Member of the HoD Council, Department of Biology, Lund University (2018-present)

MEDIA & PUBLIC ENGAGEMENT

- My research has been covered by television (e.g., *the One Show* and *Springwatch* on BBC UK), radio, newspapers (Australia, Asia, North America, Europe, e.g., *the Guardian*), scientific magazines (e.g., *Nature*), popular science magazines (e.g., *National Geographic*, *New Scientist*), and in books aimed at a general audience (e.g., *The Animal Kingdom. A Very Brief Introduction*, P. Holland, OUP).
- Member of the National Committee of Biology, Royal Swedish Academy of Sciences (2018-2021)

PUBLICATIONS – TOBIAS ULLER

I have published 193 papers in international journals (129 as first or senior author), 18 book chapters, and 3 books. My papers have featured in general science journals, including *Science*, *Nature*, *Proceedings of the National Academy of Sciences USA*, *Science Advances*, and *Nature Communications*, top journals in the biological sciences (e.g., *Cell Reports* and *eLife*), and the highest ranked journals in evolutionary biology (e.g., 28 papers in *Evolution*, *Proceedings of the Royal Society of London B*, and *Molecular Ecology*).

h-index: 60, Citations: ~15,500 (Source: Google Scholar, Sep 10, 2024).

List of 10 publications

1. Milocco, L & **Uller, T**. Utilizing developmental dynamics for evolutionary prediction and control. *Proceedings of the National Academy of Sciences USA* 121:14
2. Feiner, N., Yang, W., Bunikis, I., While, G.M. & **Uller, T**. Adaptive introgression reveals the genetic basis of a sexually selected syndrome in wall lizards. *Science Advances* 10:14
3. Feiner, N., Brun-Usan, M., Andrade, P., Pranter, R., park, S., Menke, D.B., Geneva, A.J. & **Uller, T**. 2022. A single locus regulates a female-limited color pattern polymorphism in a reptile. *Science Advances* 8: eabm2387
4. Yang, W., Feiner, N., Pinho, C., While, G.M., Kaliontzopoulou, A., Harris, D.J., Salvi, D. & **Uller, T**. 2021. Extensive introgression and mosaic genomes of Mediterranean endemic lizards. *Nature Communications* 12:2762.
5. 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
6. Radersma, R., Noble, D.A.W. & **Uller, T**. 2020. Plasticity leaves a phenotypic signature during local adaptation. *Evolution Letters* 4:360-370
7. Noble, D.A.W., 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 USA* 116: 13452-13461
8. **Uller, T.**, Moczek, A.P., Watson, R.A., Brakefield, P.B. & Laland, K.N. 2018. Developmental bias and evolution: a regulatory network perspective. *Genetics* 209:949-966
9. 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
10. 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