

## Curriculum Vitae

### Prof. Tobias Uller

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 Date of Birth: December 29, 1977. 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
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) Research Profile

My research lies on the interface of evolutionary biology, developmental biology, and ecology. It combines field studies and laboratory experiments on animals (lizards, water fleas) with comparative methods, guided by mathematical modelling and conceptual analyses. The projects in my group span across a range of topics, but most are designed to reveal something about how the functional processes of organisms – development, physiology and behaviour – influence their evolution. This includes the role of phenotypic plasticity on adaptive diversification, the evolutionary causes and consequences of extra-genetic inheritance, and the genetic, developmental and ecological factors underlying evolution through introgressive hybridization.

### (iv) Statistics

Publication of >140 papers in international journals and 10 book chapters since 2002.  
 H-score = 39, citations > 6200 (> 4100 since 2013) (source: Google Scholar, Jan 2 2018)

### (v) Grant income

- > 100 MSEK in grant income as principal investigator, including:
  - Wallenberg Academy Fellow, 9.0 MSEK, 2013-2018
  - John Templeton Foundation, ca 75 MSEK, *Putting the extended evolutionary synthesis to the test*, 2016-2018 (with Prof. K Laland)
  - 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 genomics of sexually selected introgression in lizards*, 2015-2017
- Leverhulme Trust 1.3 MSEK, *How ecology shapes the epigenome of wild animals*, 2012-2015
- Australian Research Council, ca 2.25 MSEK, *Maternal effects and sex allocation*, 2008-2010
- Australian Research Council, ca 2.0 MSEK, *Evolution of maternal effects*, 2006-2008

#### **(vi) Esteem**

Christofer Barnard Award for Outstanding Contributions by a Young Investigator (awarded by the Association for the Study of Animal Behaviour), 2009

Since 2008 I have given > 25 invited plenaries or symposium key notes at international meetings and workshops, including: *European Society for Evolutionary Biology Conference*, HOL (2017); *Australasian Evolution Congress* (AUS); *New Directions in Evolutionary Biology* (K), Royal Society & British Academy Meeting, London, UK (2016); *Evolving Plasticity in Natural and Artificial Systems*, ZiF Workshop, Bielefeld, GER (2016); *9<sup>th</sup> Symposium on the Lizards of the Mediterranean Basin*, CYP (2016); *Groningen Institute for Evolutionary Life Sciences Opening Symposium* HOL (2015); *Causation in Biology*, Bristol, UK (2015); *Early life developmental effects: unifying evolutionary and biomedical perspectives*, Exeter, UK (2015); *Epigenetics & Evolution*, Southampton, UK (2015); *Reptile Evo-Devo*, Oxford, UK (2015); *Frontiers in Niche Construction: From Theory to Application in the Biological and Social Sciences*, Santa Fe Institute, USA (2014); *Nongenetic inheritance*, Paris, FRA (2014); *8<sup>th</sup> World Congress on the Developmental Origins of Health and Disease*, SIN (2013); *International Meeting for the Society for the History, Philosophy & Social Studies of Biology*, Montpellier, FRA (2013); *Evolution of Sex Determination*, La Sage, CH (2012); *Behavioural and Cognitive Neuroscience Meeting*, Groningen, HOL (2011); *International Meeting for the Society for the History, Philosophy & Social Studies of Biology*, Brisbane, AUS (2009); *Medicine and Evolution*, Charite Universitätsmedizin Berlin, GER (2009); *Association for the Study of Animal Behaviour Spring Meeting*, Cardiff, UK (2009); *Evolution of Parental Effects*, Adelboden, CH (2008);

Since 2008 I have given 31 invited Departmental Seminars in Europe (Cambridge, Oxford×2, Edinburgh, Glasgow, Sheffield, Liverpool, Birmingham, Sussex, Bristol, Manchester, Institute of Zoology London, Cork, Valencia, Madrid, Groningen, Basel, Zurich, Berlin, Munich, Helsinki×2, Copenhagen, Lund, Stockholm, Antwerpen), USA (Iowa State), and Australia (ANU, Tasmania×2, UNSW)

I am an Advisory Editor for the *Journal of Experimental Zoology* (2013 – Present), and have been Associate Editor for *Behaviour* (2009 – 2016) and Guest Editor for the *Philosophical Transactions of the Royal Society* (2009). I was a member of the peer review colleges of Natural Environmental Research Council UK (2010 – 2017) and the British Ecological Society (2012 – 2017).

#### **(vii) Further evidence of academic leadership**

- Leader of a 75 MSEK integrative research program involving 50 researchers at eight primary institutions in Sweden, the UK and the USA (John Templeton Foundation)
- Work Package Leader for Project Integration in a 100 MSEK FP-7 project with 14 universities
- Lead organiser of > 10 international meetings and workshops (e.g., KLI Workshop) and symposia at international conferences (e.g., ESEB).

- 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

**(viii) Media and public engagement**

My research has been well covered by television (e.g., BBC1, national news in Australia), radio (in Sweden and Australia), newspapers (Australia, Asia, North America, Europe), leading science blogs, 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). The BBC ran a special piece on my ongoing research on wall lizards on the One Show, which attracts around four million viewers. I have given public lectures on evolutionary biology in both the UK and Sweden (e.g., LERN, science festivals), and contributed to popular science books and literature aimed towards improving the teaching of evolution in higher education. I have acted as an advisor on matters related to non-native species to Natural England, the UK government's advisor on issues relating to how to preserve the natural environment, and several NGOs. I am a member of the National Committee of Biology at the Swedish Royal Academy of Sciences