

CURRICULUM VITAE – THOMAS ROBERT MEAGHER

Page 1 of 2

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EDUCATION

1973-1978 Duke University, Durham, N.C., Ph.D. in Botany and Genetics
1970-1973 University of South Florida, Tampa, Florida, B.A. with Honors in Botany

EMPLOYMENT

1999-on Professor and Chair of Plant Biology, University of St Andrews
1995-1996 Visiting Scientist, Royal Botanic Garden Edinburgh, University of Edinburgh
1987-1999 Professor I ('98), Assoc Professor ('90), Assis Professor ('87), Rutgers University
1982-1983 Fulbright Scholar, University of Cambridge, England
1978-1987 Research Associate (1978-1982). Research Scientist (1983-1987), Duke University

MINISTERIAL APPOINTMENTS

2013-on Trustee, Royal Botanic Garden Edinburgh (Chair, Science Advisory Committee)
2007-2013 Member, Natural Environment Research Council
2004-2009 Member, DEFRA Science Advisory Council (2008-2009, Chair, Epidemic Diseases Sub-Group).

SCIENTIFIC & SCIENCE POLICY LEADERSHIP ROLES (selected examples)

2012-on Chair, Advisory & Implementation Group, [NERC Mathematics and Informatics for Environmental 'Omic Data Synthesis \('Omics\) Thematic Programme](#)
2010 Chair, NEOMICS Expert Working Group, [NERC 'Omics Technology Consultation](#),
2010-2016 Chair, international Society for the Study of Evolution Education and Outreach Committee
2010-2016 Council Member, Society for the Study of Evolution
1995-2001 Co-Chair, US National Initiative on 'Evolution, Science & Society'. Obtained funding (A. P. Sloan Foundation, NSF), produced policy documents (*BioScience*, *The American Naturalist*)
1998 Organiser, NSF Task Force, [Frontiers in Population Biology](#), Washington, DC, USA

ADMINISTRATIVE LEADERSHIP ROLES (selected examples)

2014-2018 Director of Postgraduate Studies, School of Biology, University of St Andrews
2005-on Trustee, St Andrews Botanic Garden Trust, co-founder of the Trust
1999-2012 Building Chair, Sir Harold Mitchell Building, University of St Andrews
1993-1999 Director, Rutgers University Graduate Program in Ecology and Evolution

PROFESSIONAL SERVICE (selected examples)

2018 EOS/NERC/Newton Fund Representative, CNPq Workshop: "Centro de Síntese em Biodiversidade e Serviços Ecossistêmicos", Brasília, Brazil
2017 Invited Participant, NERC/AHRC/Colciencias NIF workshop, Bogotá, Colombia
2016 Chair, Workshop on "Bioinformatics to support NERC science: the way forward", Swindon
2015-on Member (Corresponding), STFC Science Board
2014 Invited Participant, British Consulate Workshop (NIF), Manaus, Brazil
2013-on Member, British Council Research Links Steering Group
2013 Co-Chair, NERC Big Data Funding Panel
2013 Member, BBSRC/DEFRA Tree Health and Plant Biosecurity LWEC Phase II Panel
2012-2013 Member, DEFRA Tree Health & Plant Biosecurity Taskforce
2012-2013 Chair, Life Discovery – Doing Science Meeting, St Paul, MN, USA
2012 Co-Chair, DEFRA/BBSRC Tree Health and Plant Biosecurity LWEC Phase I Panel
2011-2013 Member, BBSRC ELIXIR Working Group (European bioinformatics initiative)
2009 Chair, Royal Botanic Garden Edinburgh Strategic Review, Scottish Government
2000-2007 Member, NERC Environmental Genomics Steering Committee.
Ongoing Outlook Editor *Evolution*, Editorial Board *Heredity*, overseas funding panels (US NSF, Canadian CFI, Academy of Finland)

LEADERSHIP OF SYMPOSIA AND OUTREACH (selected examples)

2015 Organizer and Chair, 3rd International Environmental Omics Synthesis Conference, St Andrews, UK
2015 Organizer and Chair, Society for the Study of Evolution Education Symposium, 'Iconic Brazilian ecosystems as case studies for teaching evolution', Guarujá, Brazil
2007 Organizer and Chair, Society for the Study of Evolution Education Symposium, 'The international dimension in teaching evolution', Christchurch, New Zealand
2000 Symposium, "The role of evolutionary biology in contemporary society," co-organizer J. Hanken (Harvard), AAAS annual meeting, Washington, DC, USA.
1998 "AAAS Science Innovation Symposium: Biotechnology and Evolutionary Biology," co-organized with D. Futuyama. AAAS annual meeting, Philadelphia, PA, USA.

FUNDING PORTFOLIO (selected examples)

- 2018 British Council and FAPESP. £48,500. "LATAM Researcher Links Workshop: Remote Sensing for Biodiversity and Ecosystem Services Inventory." (with co-PI Jean Ometto, Instituto Nacional de Pesquisas Espaciais, SP, Brazil) [March 2018 – August 2018]
- 2017 STFC 21st Century Challenges. £38,422. "Integrating remote sensing and ground-based spectral analysis to investigate biodiversity of archaeological sites in Amazonia." [April 2017 – December 2017]
- 2015 STFC Global Challenge Concepts. £61,545. "Integration of remote sensing with ground-based observation to investigate plant diversity." [December 2015 – November 2016]
- 2012 STFC Futures. £299,633, "STFC/NERC Bioinformatics & Environmental 'Omics Network." [October 2012 – September 2016]
- 2012 NERC (sub-contract from CEH). £66,136. "NERC Omics Thematic Action Plan Governance" (with Prof Mark Bailey, CEH; co-PI Prof Pete Kille, University of Cardiff) [April 2012 – March 2020]
- 2007 Leverhulme Trust Fellowship. £19,433. "Matching population biology to policy need in conservation of biodiversity." [June 2007 – January 2009]

RESEARCH & SCIENCE POLICY PUBLICATIONS (selected examples)

- 2017 Zappi, DC, MF Moro, TR Meagher, and E Nic Lughadha. Plant Biodiversity Drivers in Brazilian Campos Rupestres: Insights from Phylogenetic Structure. *Frontiers in Plant Science* 8(2141).
- 2017 Baron, JS, A Specht, E Garnier, P Bishop, CA Campbell, FW Davis, B Fady, D Field, LJ Gross, SM Guru, BS Halpern, SE Hampton, PR Leavitt, TR Meagher, J Ometto, JN Parker, RA Price, CH Rawson, A Rodrigo, LA Sheble, and M Winter. Synthesis Centers as Critical Research Infrastructure. *BioScience* 67(8): 750-759. doi: 10.1093/biosci/bix053.
- 2017 Hampton SE, BS Halpern, M Winter, JK Balch, JN Parker, JS Baron, M Palmer, MP Schildhauer, P Bishop, TR Meagher, A Specht. Best Practices for Virtual Participation in Meetings: Experiences from Synthesis Centers. *The Bulletin of the Ecological Society of America* 98:57-63.
- 2015 Brummitt NA, SP Bachman, J Griffiths-Lee, M Lutz, JF Moat, A Farjon, JS Donaldson, C Hilton-Taylor, TR Meagher, S Albuquerque, E Aletrari, AK Andrews, G Atchison, E Baloch, B Barlozzini, A Brunazzi, J Carretero, M Celesti, H Chadburn, E Cianfoni, C Cockel, V Coldwell, B Concetti, S Contu, V Crook, P Dyson, L Gardiner, N Ghanim, H Greene, A Groom, R Harker, D Hopkins, S Khela, P Lakeman-Fraser, H Lindon, H Lockwood, C Loftus, D Lombri, L Lopez-Poveda, J Lyon, P Malcolm-Tompkins, K McGregor, L Moreno, L Murray, K Nazar, E Power, M Quiton Tuijelaars, R Salter, R Segrott, H Thacker, LJ Thomas, S Tingvoll, G Watkinson, K Wojtaszekova, and EM Nic Lughadha. Green Plants in the Red: A Baseline Global Assessment for the IUCN Sampled Red List Index for Plants. *PLoS ONE* 10:e0135152.
- 2015 Elliot M, A Schlenzig, CM Harris, TR Meagher, S Green. An improved method for qPCR detection of three *Phytophthora* spp. in forest and woodland soils in northern Britain. *For Pathol* 45: 537-539.
- 2015 Simón-Porcar VI, TR Meagher, and J Arroyo. Disassortative mating prevails in style-dimorphic *Narcissus papyraceus* despite low reciprocity and compatibility of morphs. *Evolution* 69: 2276-2288.
- 2015 Moro MF, IA Silva, FS Araújo, E Nic Lughadha, TR Meagher, & FR Martins. The Role of Edaphic Environment and Climate in Structuring Phylogenetic Pattern in Seasonally Dry Tropical Plant Communities. *PLoS ONE* 10: e0119166.
- 2014 Rivers MC, NA Brummitt, E Nic Lughadha, & TR Meagher. Do species conservation assessments capture genetic diversity? *Global Ecology and Conservation* 2: 81-87.
- 2013 Elliot M, TR Meagher, CM Harris, K Searle, BV Purse, A Schlenzig. The epidemiology of *Phytophthora ramorum* and *P. kernoviae* at two historic gardens in Scotland. Proc Sudden Oak Death 5th Science Symp: PSW-GTR-243, p. 23-32. Albany, CA, USA
- 2013 Zhang J, P Xie, M Lascoux, TR Meagher, J Liu. Rapidly evolving genes and stress adaptation of two desert poplars, *Populus euphratica* and *P. pruinosa*. *PLoS One* 8(6): e66370.
- 2012 Antolin MF, Jenkins KP, Bergstrom CT, Crespi BJ, De S, Hancock A, Hanley KA, Meagher TR, Moreno-Estrada A, Nesse RM, Omenn GS & Stearns SC. Evolution and medicine in undergraduate education: a prescription for all biology students. *Evolution* 66: 1991-2006
- 2008 Baillie JEM, Collen B, Amin R, Akcakaya HR, Butchart SHM, Brummitt N, Meagher TR, Ram M, Hilton-Taylor C, Mace GM. Towards monitoring global biodiversity. *Cons Letters* 1: 19-25.
- 2007 Meagher TR. Is evolutionary biology strategic science? *Evolution* 61: 239-244.
- 2005 Nic Lughadha E, Baillie J, Barthlott W, Brummitt NA, Cheek MR, Farjon A, Govaerts R, Hardwick KA, Hilton-Taylor C, Meagher TR, Moat J, Mutke J, Paton AJ, Pleasants LJ, Savolainen V, Schatz GE, Smith P, Turner I, Wyse-Jackson P, & Crane PR. Measuring the fate of plant diversity: towards a foundation for future monitoring and opportunities for urgent action. *Phil Trans R Soc (London) B* 360: 359-372.