

CURRICULUM VITAE

PERSONAL INFORMATION

Name: Professor Gail TAYLOR
Researcher identifier: orcid.org/0000-0001-8470-6390;
https://scholar.google.co.uk/citations?hl=en&user=p3fImD0AAAAJ&view_op=list_works&sortby=pubdate
Date of birth: 10 July 1962
Nationality: UK
URL for web site: www.taylorlab.co.uk;
<http://www.southampton.ac.uk/biosci/about/staff/gt1.page>
Education: 1986, Ph.D, Plant Biology, funded by NERC, University of Lancaster, UK
1983, B.Sc. Biology, specialism in Plants & Genetics, University of Lancaster, UK

CURRENT POSITIONS

2004 – **Professor of Plant & Environmental Biology**, University of Southampton

PREVIOUS POSITIONS

Based at two leading UK universities, providing a strong infrastructure, dynamic & innovative intellectual environment & opportunities for multi-disciplinary thinking, supporting novel research & scholarship

2016 **Associate Dean Elect**, Faculty of Natural and Environmental Science

2012-2015 **Director of Research for Biological Sciences**, & acting **Head of School** as required, University of Southampton- to advance all aspects of research activity & productivity in Biosciences

2003 – 2004 **Reader**, Biological Sciences, University of Southampton, UK

1999 – 2003 **Senior Lecturer**, Biodiversity & Ecology, University of Southampton, UK

1997 – 1999 **Senior Lecturer**, Plant Biology, Biological Sciences, University of Sussex, UK

1990 – 1999 **Lecturer**, Plant Biology, Biological Sciences, University of Sussex, UK

1986 – 1990 **Post-Doctoral Research Fellow**, Forestry Commission, UK

FELLOWSHIPS & AWARDS

2014 – Elected **Fellow of the Royal Society of Biological Sciences (FRSB)**

2007-2009 **Visiting Professor, Imperial College**, for world-leading research on bioenergy

1985 **Anne Keymer Prize** runner –up for the best PhD talk, British Ecological Society meeting

SUPERVISION OF GRADUATE STUDENTS & POSTDOCTORAL FELLOWS- contributions to early careers

1990 – 2016 Supervised 45 PhD students & 22 Post Doc Fellows, across a diverse range of projects from molecular genetics through to ecosystem science, where I have been lead supervisor. Many in permanent science jobs e.g. Professor Nathaniel Street (Umea Plant Sciences, Sweden), Dr Zoe Harris (Department for Environment, Food & Rural Affairs, UK Gov.), Drs Rebecca Oliver, Rebecca Rowe (Natural Environment Research Council, CEH)

TEACHING ACTIVITIES

1990 – 2016 Teaching more than 2,500 undergraduates in Plant Cell Science, Plant Development & Function, Plant Productivity, Global Change Biology, Plant Kingdom, Ecology, Environmental Physiology, in large (+200) & small (<20) lectures, practical laboratories, UK & overseas field expeditions & intensive tutorials. Largely to Biological Scientists, but also Fine Art, Oceanography, Marine Biology, Environmental Science, Computer Science & Engineering Majors. Many have gone on to advanced study for PhD.

ORGANISATION OF SCIENTIFIC MEETINGS

2017 International Bioenergy Meeting, Manchester, SUPERGEN, Organising Committee, UK ~500

2015 International Perennial bioenergy conference, Germany, Organising Committee ~ 150

2014 TEDxTalk 'The case for GM bioenergy trees- can they be sustainable', UK ~500

2014 1st International Bioenergy Conference, SUPERGEN, UK ~300

2011 26th New Phytologist Symposium, 'Bioenergy Trees' Scientific committee, France ~ 180

2008 SEB, Marseille, Session Organiser 'Bioenergy Plants, France ~90

2007 The Carbon Trust, Bioalgal potential, organiser & presenter, UK ~150

2007 Bioenergy workshop, for 'The Bioenergy Research Roadmap', organiser, UK ~60

2005 International Poplar Symposium, Scientific Organising Committee Nanjing, China ~300

2003 SEB, Session organiser, 'Tree Genomics', Southampton, UK ~50

INSTITUTIONAL RESPONSIBILITIES (Since 2008 only)

2014- Co-Chair, multidisciplinary, **Clean Carbon** research group
2014- Steering Group, multidisciplinary, **Unmanned Autonomous Vehicles**
2013- **Academic Line Manager** for six academics, from junior to senior colleagues
2013- Member, **Athena Swan Committee, Policy & Resources committee**
2008- Chair, Multi-disciplinary group for **Energy Research**, University of Southampton
Pre 2008 A plethora of roles – e.g. Chair of Graduate Committee, Chair of Glasshouse Committee..

OMMISSIONS OF TRUST

2016 **Member, Peer Review Committee**, Academy of Finland Infrastructure Fund, Finland
2015- One of 10 Botanists, of **The Annals of Botany Company**, to own 'The Annals of Botany' & 'AOB Plants', UK
2015 – 2017 **Chair, Expert Peer Review Committee** Academy of Finland, Biosciences & Environment
2013 – 2015 **Member, ANR Expert evaluation, committee membership**, BIOADAPT programme, France
2015 – 2016 **Genome Canada**, peer review & interview panel, Large Grants, Canada
2009 – 2012 **Founding Subject Editor**, Global Change Biology Bioenergy, international
2009 – 2015 **Royal Society**, Member, Travel & Research Grant Committee, making expert decisions, UK
2009 – **Member, Strategic Advisory Board on Bioenergy**, for The Energy Technology Institute, UK
2007 **British High Commission & Foreign Office** UK delegation to Singapore & Manila
2007 – **Director of The Vitacress Conservation Trust & Trustee**, a charity investing 'Action Research & Education' to preserve & enhance chalk streams, UK
2006 **Government Office of Science & Technology**, expert for Foresight Review, Energy, UK
2006 – 2008 **Horticulture LINK, BBSRC** Panel for expert evaluation of research linked to industry, UK
2005 – 2006 **BBSRC member of the expert** group, developing the BBSRC Bioenergy Review, UK
2005 **Member, UK Science Delegation to USA** 'Transforming our Energy Future' DOE, USA
2005 **Invited Expert**, Bioenergy Research Development – closed meeting with BP & DOE, USA
2003 **Evaluator, Professorial Appointments – International Expert**, SLU, Sweden
2000 – 2011 **Expert Assessor for the EU Framework Programme (5th-7th)**, EU
2004 **Expert Assessment of Research**, Portuguese National Research Council, Portugal
2002 –2005 **NERC – Full Committee Member**, then Peer Review College, Terrestrial Sciences, UK
2000 – 2003 **Expert Assessor & Peer Review Member** of the SUPERGEN Bioenergy programme 2001, UK
2001 **BBSRC Institutional Assessment Exercise**, Research Assessment of Research Institutes, UK
1999 – 2003 **Horticultural Development Council**, Expert Assessment of HDC research proposals, UK
1997 – 2001 **Imperial College**, External Examiner for undergraduate degree programmes, Wye College, UK
2000 – 2003 **Member, External Programme Development** group for NERC Institutes, UK
1997 – 1999 **BBSRC, Full Committee Member**, Plants & Microbial Committee, Peer review, UK
1995 – 2000 **Associate Editor**, New Phytologist, 1998-2000, **Associate Editor**, Ecology Letters

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

2011 – **Member**, American Association of Plant Biologists (ASPB)
1985 – **Member**, Society of Experimental Biology, & Convenor, Plant Environmental Physiology Group, & member of the Plant Section (2000-2002), member of Plant Environmental Physiology Group, PEPG (2007-)
1985 – 1995 **Member**, British Ecological Society & Associated through PEPG, above

MAJOR COLLABORATIONS

UK: Imperial College (SHAH, biomass value chain model; WATSON, Energy & Environment), UCL (EKINS, Energy & Natural Capital; UEA (LOVETT; Spatial mapping), Exeter (BATEMAN, ecosystem service valuation); Leeds (BARRETT, ZIV, I/O models, watergap), Aberdeen (SMITH, HASTINGS; GHG & process-based productivity models), CEH (ROWE, NcNAMARA, soils), IBERS (DONNISON, CLIFTON-BROWN, bioenergy molecular genetics), Forest Research (MATTHEWS, bioenergy LCA), **Germany:** (POLLE, poplar transcriptome); **Netherlands:** (KEURENTJES, QTL, transcriptome, GWAS); **France:** INRA (Bastien, Faivre-Rampant, poplar, molecular genetics, wild poplar) **USA:** **Sweden:** Umea, SLU (BHALERAO, RNAi poplar) **Italy:** IGATS (MORGANTE; GWAS, sequencing), Udine (ALBERTI, stress physiology) CNR (MIGLIETTA, ZALDEI, biochar mitigation); **USA:** UC Davis (Michelmores; lettuce genomics)..

CAREER BREAKS: 1989: Maternity leave, eight months, 1995: Maternity leave, four months