

David Baulcombe – curriculum vitae

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Personal

Married to Rose Eden since 1976 with four children: Harriet, Ralph, Cecily and Martha

Education and Career

1970 – 1973 University of Leeds B.Sc (I) - Botany

1973 – 1977 University of Edinburgh Ph.D - Botany

1977 – 1978 McGill University, Montreal, Canada; Post-doctoral Fellow

1978 – 1980 University of Georgia, Athens, GA; Post-doctoral Fellow

1980 – 1988 Plant Breeding Institute, Cambridge, UK; Higher and Principal Scientific Officer

1988 – 2007 Sainsbury Laboratory, Norwich, UK; Senior Research Scientist and Head of Laboratory (from 1990 – 1993 and 1999 – 2003),

2002 – 2007 University of East Anglia; Professor

2007– 2022 University of Cambridge, Cambridge UK; Regius Professor of Botany (2007 – 2019 and then Emeritus), Royal Society Edward Penley Abraham Research Professor (2007-2022) and Head of the Department of Plant Sciences (2009 - 2017).

Professional Memberships

Society for Experimental Biology, Society for General Microbiology, Biochemical Society, Genetics Society, Royal Society, National Academy of Sciences USA

Honours and Awards

• Major Awards and recognition

Gruber Genetics Prize (2014) Gruber Foundation USA (shared with Ambros and Ruvkun)

Balzan Prize (2012) (for epigenetics) Balzan Foundation, Rome

Wolf Prize for Agriculture (2010) Wolf Foundation Israel

Knight Bachelor, (Queens Birthday Honours list 2009)

Albert Lasker Award for Basic Medical Research (2008) Lasker Foundation (shared with Ambros and Ruvkun)

Royal Medal (2006) The Royal Society

Foreign Associate Member of the National Academy of Sciences (USA) (elected 2005)

Fellow of the Royal Society (elected 2001)

• Awards

Sir Hans Krebs Medal and Lecture (2021) Federation of European Biochemical Societies

Mendel Medal (2017) Genetics Society

Prize Medal Lecture (2015) Society for General Microbiology

The McClintock Prize for Plant Genetics and Genome Studies (2014) Maize Genetics Executive Committee;

Harvey Prize in Science and Technology (2009) Technion Israel Institute of Technology

Benjamin Franklin Medal in Life Science (2008) Franklin Institute, Philadelphia (joint with Ambros and Ruvkun)

Special Achievement Award (2008) Miami Winter Symposium

Massry Prize (2005) Massry Foundation – University of Southern California (shared with Fire and Mello)

M.W. Beijerinck Virology Prize (2004) Royal Netherlands Academy of Arts and Sciences

Wiley Prize in Biomedical Science (2003) (Wiley Foundation – Rockefeller University - shared with Fire, Mello and Tuschl)

Ruth Allen Award, American Phytopathology Society (2002)

Kumho Science International Award in Plant Molecular Biology and Biotechnology (2002) Kumho Cultural Foundation, Korea

Prix des Cerealiers de France (1990) for work on hormonally regulated genes of cereals

• Elected Fellowships

Lifetime Member of the Pontifical Academy of Sciences (2020)

Honorary Fellow (2020) Cambridge Philosophical Society

Honorary Fellow of the Royal Society of Edinburgh (elected 2015)

Corresponding Member (2013) Royal Academy of Arts and Sciences Barcelona

Foreign Fellow (2011) National Academy of Science, India

Fellow of the Academy of Medical Sciences (elected 2010)

Fellow, Trinity College Cambridge (elected 2009-2019 then Emeritus)

Honorary Professor, University of East Anglia (1998-2002)

Academia Europaea, Member (elected 2002)

European Molecular Biology Organisation, Member (elected 1997)

• Academic Societies

President Biochemical Society (Jan 2015 – December 2017)

President International Society for Plant Molecular Biology (2003 – 2006)

• Honorary Degrees

DSc (Hon) University of Leeds (2015)

Honorary Doctorate University of Helsinki (2014)

DSc (Hon) Edinburgh (2014)

DL (Hon) Dundee (2014)

DSc (Hon) University of East Anglia (2011)

DSc (Hon) University of Birmingham (2011)

Honorary Doctorate Wageningen Agricultural University (2008)

Current and Recent Community Service

Royal Society Council (2021-)
Lawes Agricultural Trustee (2009-)
Rothamsted Research – Trustee Board Member (2012-)
Biochemical Society President (2015-7);
Biotechnology and Biological Sciences Research Council (Member, 2009-2016)
Boyce Thompson Institute, Cornell, Science Advisory Board (2015-18)
Sainsbury Laboratory Cambridge (Management Board, Chair) (2010-6)
Institute of Plant and Microbial Biology Academia Sinica, Taipei, Taiwan (2018 -)
EMBO Council Member (2021-)

Current and recent research funding

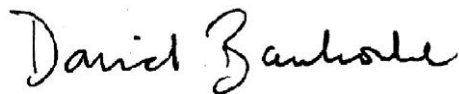
***ERC-2008-Advanced Investigator Grant (233325)** 'REVOLUTION' 1-3-2009 28-12-2013 (RNA mediated regulation in growth, development and evolution (E2.3M))
***Royal Society Research Professorship:** September 2007 – September 2022 (salary + £90K research expense pa from 2017 (£16K until 2017))
***ERC 2013-Advanced Investigator Grant (340642)** 'TRIBE' (Transgressive phenotypes in breeding and evolution) 1-3-2014 28-2-2019 (E2.4M)
***Syngenta** – Analysis of Heterosis in Tomato (undisclosed amount – 2 researchers + expenses FEC) 1-1-14 to 30-6-16
***BBSRC–EPSRC BB/LO1413** OpenPlant £12M Synthetic biology grant with JIC – Baulcombe and Sanders PIs
***BBSRC BB/P020321/1** – 'Molecular dissection of paramutation in tomato' 1-10-17 to 30-09-20 (£665K)
***BBSRC BB/R018529/1** - An RNA cascade and disease resistance in tomato 1-1-19 to 31-12-21 (£645K)
***BBSRC BB/T013117/1**- Epigenetics and hidden heritability in tomato 1-1-21 to 31-12-24 (£732K)

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Publications

<https://scholar.google.co.uk/citations?user=NPriUiYAAAAJ>

Web of Science Profile



September 2020