

David Baulcombe – curriculum vitae

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Education and Career

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

1973 – 1977 University of Edinburgh Ph.D - Botany

Jan. 1977- Nov. 1978 McGill University, Montreal, Canada; Post-doctoral Fellow

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

Dec. 1980-Aug.1988 Plant Breeding Institute, Cambridge, UK; Higher and Principal Scientific Officer

Aug.1988-Aug. 2007 Sainsbury Laboratory, Norwich, UK; Senior Research Scientist and Head of Laboratory (from 1990-1993 and 1999-2003), Professor of University of East Anglia (2002-7)

Sep. 2007-2022 University of Cambridge, Cambridge UK; Regius Professor of Botany (2007 – present), 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

Mendel Medal (2017) Genetics Society

DSc (Hon) (2015) University of Leeds

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

Prize Medal Lecture (2015) Society for General Microbiology

President Biochemical Society (Jan 2015 – December 2017)

Honorary Doctorate (2014) Universities of Helsinki, Edinburgh (DSc) and Dundee (DL)

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

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

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

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

Foreign Fellow (2011) National Academy of Science, India

DSc (Hon) (2011) University of East Anglia; University of Birmingham

Fellow of the Academy of Medical Sciences (elected 2010)

***Wolf Prize for Agriculture (2010) Wolf Foundation Israel**

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

***Knight Bachelor, (Queens Birthday Honours list 2009)**

Fellow, Trinity College Cambridge (elected 2009-)

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

Honorary Doctorate (2008) Wageningen University, The Netherlands

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

Special Achievement Award (2008) Miami Winter Symposium

***Royal Medal (2006) The Royal Society**

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

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

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)

Academia Europaea, Member (elected 2002)

Ruth Allen Award, American Phytopathology Society (2002)

Kumho Science International Award in Plant Molecular Biology and Biotechnology (2002)

Kumho Cultural Foundation, Korea

***Fellow of the Royal Society (elected 2001)**

President International Society of Plant Molecular Biology (2003-2004)

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

European Molecular Biology Organisation, Member (elected 1997)

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

Current and Recent Community Service

Lawes Agricultural Trustee (2009-)

Rothamsted Research – Trustee Board Member

Biochemical Society President (2015-7);

Biotechnology and Biological Sciences Research Council (Member, 2009-2016)

Boyce Thompson Institute, Cornell, Science Advisory Board (2015-)

Sainsbury Laboratory Cambridge (Management Board, Chair) (2010-6)

Institute of Plant and Microbial Biology Academia Sinica, Taipei, Taiwan (2018 -)

Current research interests

Much of my current research follows from the discovery in my Norwich laboratory of a novel type of regulatory RNA - siRNA. Current projects in the laboratory focus on the mechanisms of siRNA-mediated regulation and their influence on natural variation. I am also interested in the influence of siRNA on heritable effects that do not involve changes to the sequence of the genome. Understanding these 'epigenetic' effects is central to any discussion about nurture and nature. Outside the laboratory I promote the use of plant biotechnology for crop improvement. I am particularly interested in technologies addressing problems in developing countries.

Keywords

RNA silencing, epigenetics, plant viruses, disease resistance

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)

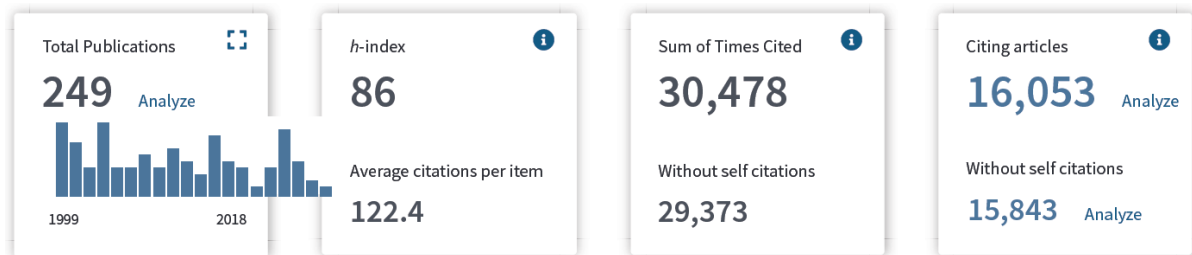
***BBSRC BB//R018529/1** - An RNA cascade and disease resistance in tomato 1-1-19 to 31-12-21 (£645K)

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Publications

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

Web of Science Profile



Daniel Bauhoff

Friday, August 31, 2018