

MICHAEL ASHBURNER FRS

Professor of Biology, University of Cambridge.
Visiting Group Leader, European Bioinformatics Institute.
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Born: May 23rd 1942, Brighton, Sussex, England.
Married: 1963, with three children.
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Education

- Royal Grammar School, High Wycombe.
- Churchill College, Cambridge (Open Exhibition, 1961).
- B.A. Cambridge 1964. Natural Sciences Tripos, (Genetics) 2.i.
- M. A. Cambridge 1968.
- Ph.D. Cambridge 1968. (Department of Genetics).
- Sc.D. Cambridge 1978.

Academic appointments

- Professor of Biology (ad hominem), Department of Genetics, Cambridge 1991 to date.
- Visiting Group Leader, European Bioinformatics Institute, 09/2001 to date.
- Professorial Fellow, Churchill College, Cambridge 1990 to date.
- DSIR Research Studentship, Department of Genetics, Cambridge 1964-1968.
- Assistant in Research, Department of Genetics, Cambridge 1966-1968.
- University Demonstrator, Department of Genetics, Cambridge 1968-1973.
- University Lecturer, Department of Genetics, Cambridge 1973-1980.
- Reader in Developmental Genetics, Department of Genetics, Cambridge 1980-1991.
- Senior Scientist, European Molecular Biology Laboratory, 1994-2001.
- Research Coordinator, European Bioinformatics Institute, European Molecular Biology Laboratory, Hinxton, Cambridge. (50% time from 9/1994 to 9/1998).
- Joint Head, European Bioinformatics Institute, European Molecular Biology Laboratory, Hinxton, Cambridge. (50% time from 9/1998 – 9/2001).
- Gordon Ross Research Fellow, Division of Biology, California Institute of Technology, Pasadena 1968-1969.
- Visiting Adjunct Professor, Department of Biochemistry and Biophysics, University of California Medical School, San Francisco, California 1977-1978.

- Visiting Professor, Department of Biology, University of Crete 1985.
- Visiting Miller Professor, University of California, Berkeley 1986.
- Professore a contratto, Università di Pavia, Pavia, Italy 1990 to 1997.
- Senior Research Fellow, Churchill College, Cambridge 1980-1990.
- Extraordinary Fellow, Churchill College, Cambridge 1990-1991.
- British Council Visiting Lecturer, Universidade Federal do Rio Grande do Sol, Porto Alegre, Brasil 1972.
- British Council Exchange Visitor, CSIS, Madrid 1974.
- British Council Exchange Visitor, Institute of Cytology and Genetics, USSR Academy of Sciences, Novosibirsk, USSR 1976.
- British Council Exchange Visitor, Academy of Sciences, Warsaw, Poland 1984.
- British Council Exchange Visitor, Tata Institute for Fundamental Research, Bombay, 1991.
- Distinguished Visiting Lecturer in Evolutionary Biology, University of California, Los Angeles 1986.
- Distinguished Lecturer, Department of Molecular Biology, University of Southern California, Los Angeles 1991.
- Japan Society for the Promotion of Science Fellowship, Japan, 1992.

Committee and review appointments

Past

- European Drosophila Stock Center, Umea, Sweden, Board of Management 1978-1995.
- Laboratoire de Biologie et Genetique Evolutive du C.N.R.S., Gif-sur-Yvette, France, Comite de Direction 1981-1989.
- SERC Molecular Biology & Genetics Subcommittee 1983-1987;1989.
- EMBO Course Committee, 1986-1991 (Chair, 1988-1991).
- Genetics Society of America, Honours & Awards Committee, 1986-1989 (Chair, 1988).
- SERC SEQNET Management Committee 1988-1991.
- Institute of Molecular Biology and Biotechnology, University of Crete, Heraklion, Advisory Committee to Insect Group 1984-1989.
- Institute of Molecular Biology and Biotechnology, Heraklion, Crete. Scientific Advisory Committee 1989-1997 (Chair, 1989-1994).
- International Atomic Energy Agency, Vienna. Consultant 1985; 1996.
- Cancer Research Campaign, Eukaryotic Molecular Genetics Group, Imperial College, London, Member of Visiting Group 1983; 1988.
- Royal Society, Sectional Committee 9, 1992-1995 (Chair, 1994-1995).
- Royal Society, Sectional Committee 7, 1998-2000.
- XVth International Conference of Genetics (1993), Member of Organising and Programme Committees.
- Sericultural Bio-Technology Institute, Bangalore, India. Scientific Advisory Board 1988-1990.
- EU Life Sciences Panel Member 1990-1994.
- International Centre of Insect Physiology and Ecology, Nairobi, Kenya. Governing Council 1991-1996.
- International Advisory Committee to the DNA Data Libraries (European representative) 1991-1994 (Chairman, 1992-1994).
- EMBL, Advisory Committee for the European Bioinformatics Institute 1993.
- BBSRC, Bioinformatics Steering Group 1994-1997.
- Ministry of Agriculture, Food & Fisheries, London, Strategic Research Review Panel (PI103), 1995.
- Cancer Research Campaign, Site visit to funded groups, Dundee 1995.
- Gulbenkian Foundation, Lisbon. Review of Graduate Programme. 1996; 2001 (final review).
- MRC, Bioinformatics Advisory Committee 1994-1998.
- International Scientific Advisory Committee, Genome Database 1996-1998.
- Wellcome Trust Biodiversity Fellowship Panel, 1995-2001.
- MRC Advanced Studentships Committee 1998-2000.

- MRC, Steering Committee Human Genome Resource Centre 1995-1998.
- UNDP/WHO/World Bank Special Programme for Research and Training in Tropical Diseases, Biological Control of Vectors Steering Committee 1991-2000.
- Cambridge Philosophical Society, Council, 1994-2000.
- MRC, External Review of Human Genome Unit, Edinburgh, 2000.
- Trinity College Dublin, Review, Department of Genetics, 2001.
- MRC, Advisory Board, 1998-2002.

Current

- NIH Oversight Committee, Drosophila Stock Center, Bloomington, Indiana 1989-.
- Drosophila Genome Center, Berkeley, Advisory Committee, 1992-.
- Charles Darwin Study Centre Development Committee (Down House), 1997-.
- Royal Society, Council, 2001-2003.
- Howard Hughes Medical Institute, Scientific Review Board, 2003-.
- Centre de Regulacio Genomica, Barcelona, Scientific Council, 2002-.
- Genome Canada, 2003-

Consultancies

- Cambridge Research and Investment Ltd, Cambridge, 1990-2002.
- Brax Genomics Ltd, Cambridge (Scientific Advisory Board), 1997-2000.
- Neomorphics Software Inc., Berkeley, CA (Scientific Advisory Board), 1997-2000.
- Merlin Ventures, 1999.
- Pharmacia & Upjohn, Stockholm, 1999-2000.
- Rheogene Inc., Charlottesville, VA, (Scientific Advisory Board) 2001-.
- Gene Logic, Rockville, MD, 2001-.
- BioWisdom Ltd (Babraham), 2001-.
- Minos Biosystems, 2002-
- BioVista, 2002-

Lectures and Awards

- G.J. Mendel Medal, Academy of Sciences, Czech Republic, 1998.
- George W. Beadle Medal, Genetics Society of America, 1999.
- Goldschmidt Lecture, Hebrew University, Jerusalem 1985.
- Osborne Memorial Lecture, University of Edinburgh 1991.
- Reunion Lecture, Department of Genetics, Trinity College, Dublin 1992.
- Dacre Lecture, Peterhouse, Cambridge 1992.
- Sun Microsystems Bioinformatics Lecture, Australian Society for Biochemistry & Molecular Biology 1994.
- Auerbach Lecture, UK Environmental Mutagen Society, 1995.

Editorial Boards

- Heredity 1972-1976.
- Wilhelm Roux's Archives for Developmental Biology 1975-1985.
- Cell Differentiation 1976-1980.
- Molecular and Cellular Endocrinology 1976-1980.
- Biological Reviews, Cambridge 1978-1985.
- Developmental Genetics 1978-1983.
- Cell 1983-1986.
- Genes and Development 1988-1992.
- Molecular and General Genetics 1990-1997.
- The EMBO Journal 1990-1992.

- Proceedings of the Royal Society, Series B 1990-1994.
- Gene-COMBIS (Editor) 1995-1997.
- Insect Molecular Biology 1991-1999.
- Advances in Genetics 1991-2000.
- Science (Board of Reviewing Editors) 1993-2000.
- Genome Biology, 2000-.
- Journal of Biology, 2001-.

Societies

- Fellow, Cambridge Philosophical Society, Elected 1968 (Council 1994-2000).
- Member, Genetical Society, 1964- (President, 1997-2000).
- Member, Genetics Society of America, 1968-.
- Fellow, Royal Entomological Society. Elected 1975.
- Member, European Molecular Biology Organisation (EMBO). Elected 1977.
- Member of the Academia Europaea. Elected 1989.
- Member, Human Genome Organisation (HUGO). Elected 1989.
- Fellow of the Royal Society. Elected 1990. (Council Member, 2001-)
- Foreign Honorary Member, American Academy of Arts and Sciences. Elected 1993.