

## BRIEF CURRICULUM VITAE

**Name:** **Malcolm Andrew Ferguson-Smith**

**Born:** 5<sup>th</sup> September 1931

**Married** Marie Eve Gzowska, 1960

**Graduated:** MB, ChB, University of Glasgow, July 1955  
Hon D.Sc., University of Strathclyde, 1992  
Hon D.Sc., University of Glasgow, 2002

**Membership** MRCPPath 1966; MRCP, RCPS (Glasgow) 1972

**Fellowship** FRCP, RCPS (Glasgow) 1974; FRCPath 1978

**Elected** Fellow of the Royal Society of Edinburgh, 1978  
Fellow of the Royal Society of London, 1983  
Member of the Johns Hopkins University Society of Scholars, 1983  
Honorary Member of the Association of Physicians of Great Britain and Ireland, 1985  
Professorial Fellow of Peterhouse, Cambridge, 1987-98  
Foreign Member of the Polish Academy of Science, 1988  
Fellow ad eundem of the Royal College of Obstetricians and Gynaecologists, 1993  
Emeritus Fellow of Peterhouse, 1998  
Founder Fellow, Academy of Medical Sciences, 1998  
Honorary Member, Association of Clinical Cytogeneticists, 2000  
Foreign Corresponding Member, National Academy of Medicine of Buenos Aires, 2002  
Honorary Member, European Cytogeneticists Association, 2001  
Honorary Associate, Royal College Veterinary Surgeons, 2002  
Honorary Member, Polish Society for Human Genetics, 2007  
Honorary Lecturer, University of Glasgow, 2010.

### PRESENT APPOINTMENT

**1998-                    Research Professor, Department of Veterinary Medicine, University of Cambridge**

### CAREER APPOINTMENTS

1955-56            House Physician to Dr W.R. Snodgrass and his successor, Dr T.N. Frazer  
House Surgeon to Sir Charles Illingworth  
Both at the Western Infirmary, Glasgow

1956-58            Senior House Officer in Pathology, Department of Pathology,  
University and Western Infirmary, Glasgow

1958-61            Registrar in Laboratory Medicine, Department of Pathology,  
University and Western Infirmary, Glasgow

1959-60            Fellow in Medicine, Johns Hopkins University School of Medicine,  
Baltimore, USA

1960-61            Instructor in Medicine, Johns Hopkins University School of Medicine

1961-65            Lecturer in Medical Genetics, University of Glasgow

1965-71            Senior Lecturer in Medical Genetics, Department of Genetics and Child  
Health, University of Glasgow

1966-73 Honorary Consultant in Medical Paediatrics, and Director, Medical Genetics Unit, Royal Hospital for Sick Children, Glasgow

1971-73 Reader in Medical Genetics, Departments of Genetics and Child Health, University of Glasgow

1973-87 Professor of Medical Genetics, University of Glasgow

1973-87 Honorary Consultant in Genetics and Director, West of Scotland Regional Genetics Service, Royal Hospital for Sick Children, Glasgow

1987-95 Director, East Anglian Regional Genetics Service

1987-98 Professor of Pathology, University of Cambridge and Honorary Consultant in Medical Genetics, Addenbrooke's NHS Trust

#### MEMBERSHIP OF BOARDS, COMMITTEES ETC

1970-72 Committee, Clinical Genetics Society

1971-73 Committee, The Genetical Society

1972-91 Member for Great Britain, Permanent Committee for the International Congress of Human Genetics

1973-75 Junior Secretary, The Genetical Society

1974-76 Member of Neurobiology and Mental Health Board and Member of Environmental Medicine Research Policy Committee, Medical Research Council

1975-78 Senior Secretary, The Genetical Society

1977-78 Vice-President, Clinical Genetics Society

1978-81 Vice-President, Genetical Society

1979-81 President, Clinical Genetics Society

1979-84 Member, Council of Association of Clinical Cytogeneticists

1982-86 Scientific Advisory Panel, National Fund for Research into Crippling Diseases

1982-83 Chairman, Panel of Examiners in Cytogenetics, Royal College of Pathologists

1983-87 Chief Scientist's Adviser, Children's, Reproduction and Allied Services Research Liaison Group, Department of Health and Social Security

1983-86 Member of Council and Chairman, Specialist Advisory Committee on Clinical Cytogenetics, Royal College of Pathologists

1986-87 Chief Scientist Committee, Scottish Home and Health Department

1985-90 International Pediatric Association, Coordinator, Advisory Panel on Human Genetics

1986-91 President, Permanent Committee for the International Congresses of Human Genetics

1987-90 Member Advisory Council for the Portuguese National Board of Science and Technology

1986-97 WHO Advisory Panel on Human Genetics

1988-93 Founding Member, Council of the Human Genome Organisation (HUGO)

1988-90 Scientific Advisory Board, UK Human Genome Mapping Project

1988-90 Clinical Research Panel and Cell & Molecular Biology Panel, The Wellcome Trust

1989-93 Member of the Cell Board, Medical Research Council

1990-92 EC Committee on Human Genome Analysis

1990-93 Scientific Advisory Committee, Royal College of Obstetricians & Gynaecologists

1991-2007 Trustee, HUGO (London)

1992-2002 Member of the Board, European Society of Human Genetics

1993-95 Member, Office of Science & Technology's Advisory Committee on Human Genome Research

1995-99 Clinical Genetics, Bioethics and Public Policy Advisory Board, SmithKline Beecham Pharmaceuticals

1995-98 Member, NHS Health Technology Assessment, Diagnostics and Imaging Panel

1997-98 President, European Society of Human Genetics

1998-2000 Member of Committee, BSE Inquiry

1998-2002 President, International Society for Prenatal Diagnosis

2002-2005 President, Association of Clinical Cytogeneticists

2007 European Academies Science Advisory Council Working Group on Zoonoses.

#### AWARDS AND INVITED LECTURES

1961 R. Thornton Wilson Award in Genetic and Preventive Psychiatry  
1968 Bronze Medical of the University of Helsinki  
1976 Finlayson Lecture, Royal College of Physicians and Surgeons, Glasgow  
1978 The First Phillip von Wielligh Trust Lecturer in Medical Genetics,  
Southern African Inherited Disorders Association  
1983 Cameron Lecture, Royal College of Physicians, Edinburgh  
1984 Fleming Lecture, Royal College of Physicians & Surgeons, Glasgow  
1986 Kettle Lecture, Royal College of Pathologists  
1987 Choremis Memorial Lecture, Hellenic Paediatric Society, Athens  
1988 Percival J. Hay Memorial Medal, North of England Ophthalmological  
Society  
1988 Makdougall-Brisbane Medal for 1984-1986, Royal Society of Edinburgh  
1989 Darwin Lecture, Institute of Biology and the Galton Institute  
1989 Invited Lecturer, Human Genetics Society of Australasia  
1990 San Remo International Prize for Genetic Research  
1993 Tenth Derrick-Mackerras Memorial Lecture, Queensland Institute of  
Medical Research  
1995 Ransom Lecture, University of Nottingham  
1996 Mauro Baschirotto Award for achievements in human genetics,  
European Society of Human Genetics  
1998 Sir J.Y. Simpson Award, University of Edinburgh, Centre for Reproduction  
2000 J.B.S. Haldane Medal, Society of Bionaturalists, Bhopal, India  
2001 McLaughlin-Gallie Professorship, Royal College of Physicians & Surgeons of Canada  
2004 Invited Lecturer, Australasian Society of Cytogeneticists  
2007 Invited Lecturer, Polish Society for Human Genetics  
2008 Pruzansky Lecture, American College of Medical Genetics

#### MEMBERSHIP OF SOCIETIES

1956-87 The Royal Medico-Chirurgical Society of Glasgow  
1958-87 The Endocrine Club, Glasgow  
1959- The Pathological Society of Great Britain and Ireland  
1960- The American Society of Human Genetics  
1962- The Genetical Society  
1967- The European Society of Human Genetics  
1970-95 The Clinical Genetics Society  
1977- The Galton Institute (formerly the Eugenics Society)  
1978-95 The Association of Clinical Cytogeneticists  
1985-94 The European Society of Human Reproduction and Embryology  
1993- The Zoological Society of London  
1995- The British Society for Human Genetics (formerly the Clinical Genetics  
Society)

#### MEMBERSHIP OF EDITORIAL BOARDS

1961-71	Cytogenetics
1972-82	Cytogenetics & Cell Genetics
1973-83	Human Genetics Abstracts
1976-2005	Annales de Génétique
1977-85	Journal of Medical Genetics
1978-83	Heredity
1980-2006	Founding Editor, Prenatal Diagnosis
1985-94	Journal of Human Reproduction
1987-2003	Genomics
1989-92	Proceedings of the Royal Society, Series B Biological Sciences
2007-	Sexual Development
2007-	Chromosome Research

#### PATENTS

British Patent Application No. 9704054,7 "Chromosome-specific paint probes" filed 27/2/97

US Patent No 6,270,971B1, dated 7/9/01 "Methods for detecting chromosomal aberrations using chromosome specific paint probes".

British Patent Application No GB 0016920.1 "Decondensation of sperm DNA" filed 17/7/01.

Cross-species chromosome painting: an assay for chromosome aberrations in a vertebrate using a cross-species chromosome specific probe from another species. Granted patent numbers: Europe (EP1012330), UK (GB2325302), Japan (JP 10-537459), US (US 6255465 and US 6270971)

#### RECENT RESEARCH GRANTS

Wellcome Trust Collaborative Research Initiative Grant (0666/43/Z01/Z)

"Comparative genome evolution and the origin of placental mammals" (2002-2005) - £104,411

Wellcome Trust Grant (068419/Z/02/Z)

Resource Centre for comparative genomics", (2002-2005) - £432,375

INTAS (International Association for the promotion of co-operation with scientists from the New Independent States of the former Soviet Union) project grant.

"Integrated Maps of Mammalian and Avian Chromosomes" (2002-2005) - 79,500 Euros

Wellcome Trust Grant (077121/Z/05/Z) Renewal of support for Cambridge Resource Centre for Comparative Genomics, (2005-2008). £952,549

Leverhulme Trust Emeritus Fellowship "Evolution of the primate Y chromosome" (2010) £21,510