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## Present-day pioneers follow in footsteps of giants

Following in the footsteps of distinguished predecessors such as Sir Walter Scott, Lord Kelvin and James Clerk Maxwell, over sixty experts have been elected new Fellows of The Royal Society of Edinburgh (RSE). Chosen in recognition of significant achievement in their fields and contribution to public service, a broad spectrum of expertise is represented in the new list of Fellows. Scientist and science communicator, Susan Greenfield; composer, James MacMillan; and business guru, John Kay are amongst the top achievers who join the Fellowship of the RSE.

An independent, educational charity, one of the key strengths of the RSE is its multidisciplinary make-up, with 1400 experts of national and international standing representing excellence across the subject disciplines. The RSE's Fellowship is further strengthened by the election of overseas-based experts including: ecological scientist, Ilkka Hanski; distinguished mathematician, Nicolai Krylov; and experimental pathologist, Ole Laerum. Within the UK, new Fellows include: entrepreneurs, Simon Best and John Brown; environmental change expert, Michael Bird; authority on psychiatric disorders, Douglas Blackwood; manager & scientist, Julie Fitzpatrick; National Trust for Scotland President, the Earl of Dalkeith; pioneer of nanometrology (the ability to measure and characterise molecules), Duncan Graham; speech science expert, William Hardcastle; eminent historian, James Hunter; virus and leukaemia/lymphoma expert, Ruth Jarrett; and leading industrialist and civil engineer, Gordon Masterton.

President of The Royal Society of Edinburgh, Sir Michael Atiyah, OM, FRS, PRSE, HonFREng, HonFMedSci, Hon FFA said:

*I am delighted to be able to welcome such an outstanding array of new Fellows to the Society.*

*Conferring the accolade of Fellowship on individuals recognised as amongst the best minds in Scotland and around the world, is the beginning, not the end, of the Society's purpose. The collective expertise and experience of the Fellowship enables the RSE to uphold its Royal Charter of 1783 for the "advancement of learning and useful knowledge" and deliver meaningful, public-benefit activities today.*

### Full List of New Fellows follows:

#### CORRESPONDING FELLOWS<sup>(\*1)</sup>

**Professor Gavin Brown AO FAA**, Vice-Chancellor and Principal, University of Sydney, Australia;

**Professor Ian Duncan**, Professor of English and Head of Department of English, University of California-Berkeley, USA;

**Professor Ilkka A Hanski**, Professor of Zoology, Department of Ecology and Systematics, University of Helsinki, Finland;

**Professor Nicolai V Krylov**, Samuel G Ordway Professor of Mathematics, University of Minnesota, USA;

**Professor Ole D Laerum**, Professor of Experimental Pathology and Oncology, University of Bergen, Norway;

**Professor Ian McAllister**, Professor of Political Science and Honorary Professor, University of Aberdeen, Australian National University;

**Dr Ronald D G McKay**, Head, Laboratory of Molecular Biology, National Institute of Neurological Disorders and Stroke, Bethesda, USA;

**Professor Jan Palous**, Professor and Head of Department of Galaxies and Planetary Systems; Member of Council, Academy of Sciences of the Czech Republic, Prague;

**Professor Angus W Thomson**, Professor of Surgery, Immunology and Molecular Genetics & Biochemistry, Thomas E. Starzl Transplantation Institute, University of Pittsburgh School of Medicine, USA;

**Very Rev Professor Iain R Torrance**, President, Princeton Theological Seminary, USA

#### ORDINARY FELLOWS<sup>(\*2)</sup>

**Professor Graeme J Ackland**, Professor of Computer Simulation and Head of Condensed Matter Group, University of Edinburgh;

**Professor John A Beath**, Professor of Economics, University of St Andrews; Chairman, Economic Research Institute of Northern Ireland; Member, Review Body on Doctors' and Dentists' Remuneration;

**Dr Simon G Best**, Chairman, Ardana plc; The Edinburgh University Technology Fund; The UK BioIndustry

Association;

**Professor Michael I Bird**, Chair in Environmental Change, University of St Andrews;

**Professor Christopher M. Bishop FREng**, Deputy Director, Microsoft Research, Cambridge; Professor of Computer Science, University of Edinburgh;

**Professor Douglas H R Blackwood**, Professor of Psychiatric Genetics, Royal Edinburgh Hospital;

**Professor Nuala A Booth**, Personal Chair in Molecular Haemostasis and Thrombosis, University of Aberdeen;

**Professor Peter J Brophy**, Mary Dick Professor of Veterinary Anatomy and Cell Biology & Director of the Centre for Neuroscience Research, University of Edinburgh;

**Professor Stewart J Brown**, Professor of Ecclesiastical History, University of Edinburgh;

**Dr John R Brown**, Chairman: Governing Council of the Roslin Institute; SE Life Sciences Industry Advisory Group; Scottish Biomedical; ITI Life Sciences Advisory Board;

**Professor Stephen T Buckland**, Professor of Statistics and Co-Director of the National Centre for Statistical Ecology, University of St Andrews;

**Professor John W Cairns**, Professor of Legal History, University of Edinburgh;

**Professor D Murray Campbell**, Professor of Musical Acoustics, University of Edinburgh;

**Professor Richard Carter**, Professor of Parasite Genetics, University of Edinburgh;

**Professor Andy Clark**, Professor of Logic and Metaphysics, University of Edinburgh;

**Professor John W Crawford**, Professor of Theoretical Biology, University of Abertay Dundee;

**Sir Richard W J Montagu-Douglas-Scott Dalkeith**, President, The National Trust for Scotland;

**Professor Martin Dawson**, Associate Director, Institute of Phototonics, University of Strathclyde;

**Professor Kishan Dholakia**, Professor of Physics, University of St Andrews;

**Professor James S Dunlop**, Professor of Extragalactic Astronomy & Head of Institute of Astronomy, University of Edinburgh;

**Professor Emad M El-Omar**, Professor of Gastroenterology and Honorary Consultant Physician, University of Aberdeen;

**Professor Julie Fitzpatrick**, Scientific Director and Chief Executive, Moredun Research Institute;

**The Rev Prof Duncan B. Forrester**, Professor Emeritus of Christian Ethics and Practical Theology, University of Edinburgh;

**Professor Sergey Foss**, Professor of Applied Probability, Heriot-Watt University;

**Professor Geoffrey M Gadd**, Professor of Microbiology and Head of Division of Environmental and Applied Biology, University of Dundee;

**Professor Jim D Gallagher CB**, Professor of Government, University of Glasgow; Visiting Professor, Glasgow Caledonian University;

**Professor David A F Gillespie**, Professor of Molecular Cell Biology, University of Glasgow; Research Group Leader, Beatson Institute;

**Professor Duncan Graham**, Director of the Centre for Molecular Nanometrology, University of Strathclyde;

**Baroness Susan Greenfield CBE**, Professor of Pharmacology, University of Oxford; Director of the Royal Institution of Great Britain; Chancellor, Heriot-Watt University;

**Professor William J Hardcastle FBA**, Professor of Speech Sciences and Director of the Speech Science Research Centre, Queen Margaret University;

**Professor Jane Hillston**, Professor of Quantitative Modelling; EPSRC Advanced Research Fellow, University of Edinburgh;

**Professor Tessa L Holyoake**, Professor of Experimental Haematology, University of Glasgow; Honorary Consultant Haematologist, Royal Infirmary Glasgow;

**Professor R Malcolm W Horner**, Emeritus Professor of Engineering Management & Senior Research Fellow, University of Dundee;

**Professor James Hunter CBE**, Professor of History of the Highlands & Islands and Director of the UHI Centre for History; Board member, SNH;

**Professor Ruth F Jarrett**, Professor of Molecular Pathology & Head of Division of Pathological Sciences, Faculty of Veterinary Medicine, University of Glasgow;

**Professor Charles A Jeffery**, Professor of Politics and Co-Director of the Institute of Governance, University of Edinburgh; Council Member, ESRC;

**Professor John Kay FBA**, Visiting Professor, London School of Economics;

**Professor Graeme T Laurie**, Professor of Medical Jurisprudence and Co-Director of AHRC Research Centre in Intellectual Property and Technological Law, University of Edinburgh;

**Professor Kennedy R Lees**, Professor of Cerebrovascular Medicine, University of Glasgow;

**Professor Brian Loasby FBA**, Emeritus and Honorary Professor of Economics, University of Stirling;

**Dr James L MacMillan CBE**, Composer/Conductor in Association with the BBC Philharmonic Orchestra;

**Mr Gordon G T Masterton FREng**, Vice- President, Jacobs Environment Business Unit; Immediate Past President, The Institution of Civil Engineers;

**Professor Colin D McCaig**, Regius Professor of Physiology & Head of School of Medical Sciences, University

of Aberdeen;

**Professor Kenneth E L McColl**, Professor of Gastroenterology, University of Glasgow; Honorary Consultant, Western Infirmary;

**Professor William B Motherwell FRS**, Alexander Williamson Professor of Chemistry, University College London;

**Professor Gareth Pender**, Professor of Environmental Engineering & Director of Research, School of the Built Environment, Heriot-Watt University;

**Professor Martin J Pickering**, Professor of the Psychology of Language and Communication, University of Edinburgh;

**Professor Adrienne C Scullion**, James Arnott Professor of Drama and Head of Theatre Studies, University of Glasgow;

**Professor Christopher J Secombes**, Professor of Zoology and Head of School of Biological Sciences, University of Aberdeen;

**Professor Martin J Siegert**, Professor of Geosciences and Head of School of GeoSciences, University of Edinburgh;

**Professor Antonella Sorace**, Professor of Developmental Linguistics, University of Edinburgh;

**Professor Peter M Sullivan**, Professor of Philosophy, University of Stirling;

**Professor Michael Weiss**, Chair in Mathematical Sciences, University of Aberdeen;

**Professor Hugh J Willison**, Professor of Clinical Neurosciences & Honorary Consultant Neurologist, Southern General Hospital, Glasgow;

**Professor Jennifer G Wishart**, Professor of Developmental Disabilities in Childhood, Moray House School of Education, University of Edinburgh.

***Key to Criteria for Fellowship:***

(\*1) Corresponding Fellows: of significant international distinction within their own subject or profession. Must be domiciled overseas.

(\*2) Ordinary Fellows: of national and international standing, based on quality of innovative contributions to their field, or professional standing and achievement in public service. Must have a connection with Scotland.

Further information about the RSE can be found on its website at: <http://www.royalsoced.org.uk>

***About the RSE***

The Royal Society of Edinburgh (RSE) is an educational charity, registered in Scotland. Independent and non-party-political, our wide-ranging educational activities include:

- Organising lectures, debates and conferences
- Conducting major independent inquiries
- Providing educational activities for school students throughout Scotland
- Distributing over £1.7 million to top researchers and entrepreneurs
- Showcasing to the World the best of our research and development
- Increasing two-way international exchange
- Encouraging, promoting and rewarding excellence
- Offering state-of-the-art conference facilities
- Publishing internationally respected learned journals

The RSE was founded in 1783 by Royal Charter for the "Advancement of Learning and Useful Knowledge". Today we have around 1400 Fellows whose expertise encompasses the full spectrum of the sciences, medicine, engineering and technology, education, law, the arts, humanities, social sciences, business, industry, the professions and public service. This multi-disciplinary perspective makes the RSE unique amongst the United Kingdom's learned societies. We are funded by a range of carefully selected charitable, public and private bodies. Our mission today is providing public benefit through the advancement of learning and useful knowledge.

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