

PROGRAMME

9.00 – 9.45 REGISTRATION

Coffee

9.45 WELCOME ADDRESSES

Professor Steve O’Rahilly, Medical Research Society
Professor Patrick Maxwell Academy of Medical Sciences
Professor Ian Gilmore Royal College of Physicians, London

9.50 – 10.45 CAREERS LECTURE

Chair: Professor Steve O’Rahilly

PROFESSOR SALLY DAVIES
Director General for Research and Development
Department of Health
“Academic Trainees and the NIHR”

10.45 – 12.30 POSTER VIEWING (*including Coffee*)

Dorchester Library, Linacre/Sloane Rooms, Heberden Room, Willan Room
Groups of specialty judges lead moderated discussion groups

<i>Dorchester Library</i> (<i>first floor</i>)	1-25	Cardiovascular
	26-30	Endocrinology
	31-39	Gastroenterology / Hepatology
	40-43	Microbiology / Infectious Diseases
	44-61	Neurology / Psychiatry
<i>Linacre / Sloane Rooms</i> (<i>ground floor</i>)	62-67	Obstetrics / Gynaecology / Fetal medicine
	68-78	Oncology / Haematology & related
	79-82	Ophthalmology
	83-99	Immunology / Renal
<i>Herberden Room</i> (<i>second floor</i>)	100-109	Respiratory
<i>Willan Room</i> (<i>second floor</i>)	110-116	Rheumatology / Orthopaedics

12.30 – 13.45 *Lunch in the Osler Room*

13.45 – 14.45 ORAL PLENARY SESSION

Chair: Professor Chris Buckley

13.45 – 14.00 O1 ***Expression of Thyroid Hormone Transporters In Human Fetal Brain***
S.Y. Chan¹, A. Martin-Santos¹, L.S. Loubiere¹, E. Vasilopoulou¹, S.J. James¹, C.J. McCabe², J.A. Franklyn² and M.D. Kilby¹.
¹Division of Reproductive & Child Health, Birmingham Women’s Hospital, University of Birmingham, B15 2TG, UK and ²Division of Medical Sciences, Institute of Biomedical Research, The Medical School, University of Birmingham, B15 2TT, UK.

- 14.00 – 14.15 O2 ***BMPR-II Dysfunction in Pulmonary Artery Smooth Muscle Cells Leads to Abnormal Growth Responses to TGF- β : Possible Role of the Id genes***
R.J. Davies¹, P.D.Upton¹, R.C. Trembath² and N.W. Morrell¹.
¹Department of Respiratory Medicine, University of Cambridge, Addenbrooke's and Papworth Hospitals, Cambridge and ²King's College London, UK
- 14.15 – 14.30 O3 ***Substantia Nigra/Ventral Tegmental Reward Prediction Error Disruption in Psychosis***
Murray GK^{1,2,3}, Corlett PR^{1,3}, Clark L³, Pessiglione M⁴, Blackwell AD¹, Honey G^{1,3}, Jones PB^{1,2}, Bullmore ET^{1,2,3}, Robbins TW³, Fletcher PC^{1,3}
¹Brain Mapping Unit, Department of Psychiatry, University of Cambridge, ²CAMEO, Cambridgeshire and Peterborough Mental Health Partnership NHS Trust, ³Behavioural and Clinical Neuroscience Institute, University of Cambridge, ⁴Hôpital de la Salpêtrière, Paris
- 14.30 – 14.45 O4 ***Gene replacement therapy rescues photoreceptor degeneration in a mouse model of severe inherited retinal degeneration due to mutation in photoreceptor-specific gene, AIPL1***
M H Tan^{1,2}, A J Smith¹, J W Bainbridge^{1,2}, R R Ali¹
¹Division of Molecular Therapy, Institute of Ophthalmology, University College London, ²Moorfields Eye Hospital, London
- 14.45 **M.R.S. YOUNG INVESTIGATORS AWARD FINAL**
Introduction by Professor Steve O'Rahilly – Chairman of the M.R.S.
- Judges:** *Professor Hugh Watkins*
Professor Moira Whyte
Professor Patrick Maxwell
- 14.50 – 15.10 Y1 ***The cytotoxic farnesyltransferase inhibitor, BMS-214662, potently induces apoptosis of Chronic Myeloid Leukaemia stem and progenitor cells and synergises with tyrosine kinase inhibitors.***
Mhairi Copland¹, Francesca Pellicano¹, Linda Richmond², Elaine Allen¹, Ashley Hamilton¹, Francis Lee³, Roberto Weinmann³, Tessa Holyoake¹.
¹Section of Experimental Haematology, University of Glasgow, Glasgow, UK, ²Department of Haematology, Royal Infirmary, Glasgow, UK, ³Bristol-Myers Squibb Oncology, Princeton, NJ 08543, USA.
- 15.10 – 15.40 ***Tea/Coffee – Dorchester Library***
- 15.40 – 16.00 Y2 ***Reduction in long-term risk of colorectal cancer with regular use of aspirin: consistent evidence from randomised and observational studies.***
Enrico Floßmann, Peter M Rothwell
 Stroke Prevention Research Unit, University Department of Clinical Neurology, Radcliffe Infirmary, Woodstock Road, Oxford, OX2 6HE, UK
- 16.00 – 16.20 Y3 ***Epigenetic mechanisms silence ADAM33 expression in bronchial epithelial cells.***
Hans M Haitchi, Youwen Yang, Julie Cakebread, David Sammut, Anna Harvey, Robert M Powell, John W Holloway, Peter Howarth, Stephen T Holgate, Donna E Davies
 The Brooke Laboratories, Division of Infection, Inflammation and Repair, School of Medicine, University of Southampton, Southampton SO16 6YD, UK.

16.20 – 16.40 Y4 *Tissue-specific regulation of the enzyme 11 β -HSD1 by dietary and inflammatory stimuli reveals adaptive and maladaptive control of tissue cortisol levels in obesity.*

Roland H Stimson¹, Ruth Andrew¹, Alexandra M Johnstone², Deborah J Wake¹, Gerald E Lobley², Brian R Walker¹

¹ Endocrinology Unit, University of Edinburgh, Queen's Medical Research Institute, 47 Little France Crescent, Edinburgh EH16 4TJ, ² Division of Obesity and Metabolic Health, Rowett Research Institute, Aberdeen

17.00 – 18.00

THE GORDON CUMMING MEMORIAL LECTURE

Chair: Professor Steve O'Rahilly

PROFESSOR DAVID LOMAS

University of Cambridge

"The serpinopathies: one mechanism, five diseases"

18.00 Drinks Reception and Presentation of Awards in the Dorchester Library

THE MRS YOUNG INVESTIGATORS AWARD

THE SUE McCARTHY PRIZE

THE RAFTERY PRIZE

INDIVIDUAL SPECIALITY AWARDS

THE PUSHPA CHOPRA BURSARIES

THERE WILL BE A MEDICAL RESEARCH SOCIETY ANNUAL GENERAL MEETING AT 9.00 A.M. IN THE WOLFSON THEATRE TO WHICH ALL M.R.S. MEMBERS ARE CORDIALLY INVITED.

Medical Research Society Website – www.medres.org.uk

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