



Advanced Medicine 2018

Monday 5 – Thursday 8 February 2018

Royal College of Physicians, 11 St Andrews Place, Regent's Park, London NW1 4LE

Programme organiser: Dr Robin Lachmann and Professor Alan Salama, University College London

Monday 5 February

09.30 Registration and coffee

09.55 **Welcome and opening remarks**

Professor Jane Dacre, president, Royal College of Physicians

Session 1: Genomic Approaches

Chair: Dr Robin Lachmann, University College London

10.00 **Introduction to genomics**

Professor Tim Aitman, University of Edinburgh

10.30 **The Deciphering Development Disorders (DDD) project: What a genomic approach can achieve**

Dr Helen Firth, Sanger Institute

11.00 **100,000 genomes: Rare diseases**

Dr Richard Scott, Genomics England

11.30 Coffee

Session 2: How I treat an update on current best management endocrinology cases

Chair: Professor John Newell-Price, University of Sheffield and Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield.

11.50 **Advances in the understanding of Hypophysitis**

Dr Paul Carroll, Guys and St Thomas NHS Foundation Trust

12.10 **Advances in the understanding & management of Hyponatraemia**

Professor John Newell-Price, University of Sheffield and Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield.

12.40 Lunch

Linacre lecture

Chair and vote of thanks: Professor Jane Dacre, president, Royal College of Physicians

13.40 Frailty: an individual and societal perspective

Dr Andrew Clegg, Bradford Teaching Hospitals NHS Foundation Trust

Session 3: Genotypes and Phenotypes

Chair: Dr Helen Firth, Sanger Institute

14.30 Unintended Consequences; cautionary tales from a genomic approach to diagnostics

Dr Frances Elmslie, St George's, University of London

15.00 Leigh Map: An interface between phenotype and molecular genetics

Professor Shamima Rahman, UCL Great Ormond Street Institute of Child Health

15.30 Tea

Session 4: Advances in service delivery – Future Hospital

Chair: Dr John Dean, RCP

15.50 An overview of approaches to service redesign

Dr John Dean, RCP

16.10 Virtual clinics

Dr Saurabh Chaudhri, Consultant Physician, Barts Health

16.30 Shared medical appointments

Dr Fraser Birrell, Northumbria Healthcare NHS Foundation Trust

16.50 Close of day

Tuesday 6 February

Session 5: The other 'Omics

Chair: Professor Shamima Rahman, UCL Great Ormond Street Institute of Child Health

09.30 Proteomics

Professor Benedikt Kessler, University of Oxford

10.00 Metabolism and metabolomics in studying human health and ageing

Warwick Dunn, University of Birmingham

10.30 The microbiome and disease

Dr Nikil Sharma, University College London

11.00 Coffee

Goulstonian Lecture

Chair and vote of thanks: Professor Jane Dacre, president, Royal College of Physicians

11.30 A unifying theory on Parkinson's disease

Dr Miratul Muqit, University of Dundee

12.30 Lunch

Session 6: How I.... an update on current best investigation and management of renal cases

Chair: Dr Richard Baker, Leeds teaching Hospital NHS Foundation Trust

13.30 **How I treat the patient with advanced renal failure**
Dr Andrew Mooney, Leeds teaching Hospital NHS Foundation Trust

14.00 **How I investigate Hypertension**
Dr Elisabeth Garthwaite, Leeds teaching Hospital NHS Foundation Trust

14.30 **How I manage the sick transplant patient**
Dr Richard Baker, Leeds teaching Hospital NHS Foundation Trust

15.00 Tea

Session 7: Nutrition

Chair: Dr Alan Boyd, University College London

15.30 **Eat well, live longer**
Dr Dagfinn Aune, Imperial College London

16.00 **The case for vitamin D fortification in the UK**
Professor Adrian Martineau, Queen Mary University of London

16.30 **Calorie restriction for long term remission of type 2 diabetes**
Professor Roy Taylor, University of Newcastle

17.00 Close of the day

Wednesday 7 February

Session 8: Oral feeding

Chair: Rev Alasdair Coles, University of Cambridge

09.15 **A carers view- to feed or not to feed in the minimally aware state**
Dr David Nicholl, Sandwell and West Birmingham Hospitals NHS Trust

09.30 **Stroke physician view- the challenges of nutrition and hydration on the stroke ward**
Dr Khaira Jattinder, University Hospitals Birmingham NHS Foundation Trust

09.50 **Ethical and legal issues in relation to nutrition- what has happened since the Tony Bland case?**
Rev Professor Alasdair Coles, University of Cambridge

10.10 **Discussion**

10.40 Coffee

Session 9: How I... an update on current best investigation and management of diabetes

Chair: Dr Robin Lachmann, University College London

11.05 **How I assess a newly diagnosed young adult with diabetes**
Professor Katharine Owen, University of Oxford

11.35 **How I treat a patient with problematic hypoglycaemia**
Dr Pratik Choudhary, King's College London

Croonian Lecture

Chair and vote of thanks: Professor Jane Dacre, president, Royal College of Physicians

12.05 **Precision early diagnosis of oesophageal cancer using a pill on a string**

Professor Rebecca Fitzgerald, University of Cambridge

12.45 Lunch

Session 10: Gene based therapies

Chair: Dr Alan Boyd, Faculty of Pharmaceutical Medicine

13.45 **Where we are with gene therapy**

Dr Alan Boyd, Faculty of Pharmaceutical Medicine

14.15 **Gene editing**

Dr Tony Perry, University of Bath

14.45 **Delivery methods**

Professor Stephen Hart, University College London

15.15 Tea

Session 11: New approaches to...

Chair: Dr Robin Lachmann, University College London

15.35 **Ketogenic Diet – Neurology and beyond**

Professor Helen Cross, Great Ormond Street Hospital

16.05 **Haemophilia**

Professor Edward Tuddenham, University College London

16.35 **Muscular Dystrophies – treatable diseases**

Professor Volker Straub, Newcastle University

17.05 Close of the day

Thursday 8 February

Session 12: New approaches to...

Chair: Professor Alan Salama, University College London

09.30 **Lipid lowering**

Dr David Preiss, University of Oxford

10.00 **Amyloid**

Professor Phillip Hawkins, University College London

10.30 **New therapeutic approaches to Dementia**

Dr Catherine Mummery, University College London Hospitals

11.00 Coffee

Session 13: How I treat ... an update on current best investigation and management of Hepatology

Chair: Dr Heather Lewis, Imperial College NHS Trust

11.30 Acute on chronic liver failure: “top -down” approach to care

Dr Harry Antoniadis, Imperial College NHS Trust

12.00 How I treat ... alcohol related liver disease

Dr Heather Lewis, Imperial College NHS Trust

Session 14: How I treat ... an update on current best investigation and management of Dermatology

Chair: Professor Alan Salama, University College London

12:30 How I treat.... a patient with a Severe Cutaneous Adverse Reaction (SCAR)

Professor Malcolm Rustin, Royal Free London

12.45 How I treat.... Leg ulcers

Professor Malcolm Rustin, Royal Free London

13.00 Lunch

Session 15: New approaches to...

Chair: Professor Alan Salama, University College London

14.00 Controlling viral hepatitis infections

Professor Mark Thursz, St Mary's Hospital

14.30 Multi-drug resistant tuberculosis

Professor Onn Min Kon, Imperial College London

15.00 Stem cells and neurodegenerative disorders of the brain

Professor Roger Barker, Cambridge University Hospital

15.30 Tea

Session 16: Commissioning new treatments

Chair: Dr Robin Lachmann, University College London

15.50 Biosimilars: what's the problem?

Professor Angela Thomas, University of Edinburgh

16.20 Specialised commissioning; assessing value and prioritising investment'

Dr David Black, NHS England

16.50 Close of conference