



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 Dr 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: Genomics

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: Phenotyping

14.30 The microbiome and disease

Dr Nikil Sharma, University College London

15.00 Leigh Map: An interface between phenotype and molecular genetics

Professor Shamima Rahman, Great Ormond Street Hospital

15.30 Tea

15.50 tbc

16.50 Close of day and drinks reception

Tuesday 6 February 2017

Session 4: The other 'Omics

09.30 Proteomics

Professor Benedikt Kessler, University of Oxford

10.00 Metabolomics and personalised medicine

Warwick Dunn, University of Birmingham

10.30 tbc

tbc

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 5: 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 6: Nutrition and me

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 2017

Session 7: 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 8: How I an update on current best investigation and management of diabetes

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 9: 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 10: New approaches to...

15.35 Ketogenic Diet – Neurology and Beyond

Professor Helen Cross, Great Ormond Street Hospital

16.05 Haemophilia

Professor Amit Nathwani, Royal Free Hospital

16.35 Muscular Dystrophy

Professor Volker Straub, Newcastle University

17.05 Close of the day

Thursday 8 February 2017

Session 11: New approaches to...

09.30 Lipid lowering

Dr David Preiss, University of Oxford

10.00 Amyloid

Professor Phillip Hawkins, University College London

10.30 Neurodegeneration

Dr Catherine Mummery, University College London Hospitals

11.00 Coffee

Session 12: 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 Antoniades, Imperial College NHS Trust

12.00 How I treat ... alcohol related liver disease

Dr Heather Lewis, Imperial College NHS Trust

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

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 14: Infections

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 15: tbc

15.50 **Biosimilars: what's the problem?**

tbc

16.20 **Affordability**

tbc

16.50 Close of conference