



# 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, Great Ormond Street Hospital

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 1

## **Tuesday 6 February**

## **Session 5: The other 'Omics**

Chair: Professor Shamima Rahman, Great Ormond Street Hospital

### **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: tbc

- 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: tbc

### **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 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 Antoniades, 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