

COMPLEMENT

TRAINING COURSE AND SYMPOSIUM

Training Day: Monday, 3rd April 2023

Meeting Programme

09:00 – 09:20 Registration

09:20 – 09:30 Welcome

09:30 – 11:00 COMPLEMENT TUTORIAL #1

1.1 Compartmentalisation of complement – Steven Sacks

1.2 Complement and break of tolerance – Marina Botto

2.1 Complement association with disease – Simon Clark

2.2 Complement association with disease – Meike Heurich-Sevcenco

11:00 – 11:30 Coffee & posters

11:30 – 12:15 Lecture: Complement; the basics – Paul Morgan

12:15 – 12:45 Quick-fire poster presentations (one slide, 60 seconds) – Nikoleta Daskoulidou, Tim Hughes

12:45 – 13:45 Lunch & posters

13:45 – 15:15 COMPLEMENT TUTORIAL #2

3.1 Complement & therapeutics – Matthew Pickering

3.2 Complement & therapeutics – Claire Harris

4.1 Diagnostics; genetics – David Kavanagh

4.2 Diagnostics; biomarkers/assays –Loek Willems & Erik Toonen

15:15 – 15:45 Coffee

15:45 – 17:05 ABSTRACT PRESENTATIONS

15:45 – 15:50 Introduction by Chair: Wiola Zelek, Thomas Hallam

1550 – 1605 Lack of Complement Factor H contributes to endothelial cell injury in Shiga toxin Haemolytic Uraemic Syndrome, Emily Bowen

1605 – 1620 Safety, Tolerability and Pharmacodynamic Effects of ARO-C3, a Subcutaneously Administered Investigational RNAi Therapeutic Targeting Complement C3, in Adult Healthy Volunteers, Hamid Moradi

1620 – 1635 GWAS of plasma complement protein levels reveals functional effects of Alzheimer's disease risk loci, Aurora Veteleanu

1635 – 1650 Complement receptor 1 is expressed on brain cells and impacts roles of microglia relevant to Alzheimer's disease, Nikoleta Daskoulidou

1650 – 1705 Complement inhibitors for age-related macular degeneration (AMD): A Cochrane systematic review and meta-analysis, Nikolaos Tzoumas

17:05 – 18:05 Guest lecture "Cancer and Inflammation" - Prof Sir Leszek Borysiewicz
Introduction: Paul Morgan

18:15 – Poster presentations, Drinks Reception and Cake

19:30 – Dinner

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TRAINING COURSE AND SYMPOSIUM

Tuesday, 4th April 2023

Symposium: *Complement Diagnostics and Therapeutics*

Meeting Programme

08:40 – 08:45 Welcome and introduction to the day

08:45 – 12:15 **SESSION 1: THERAPIES**

Chairs: Wioleta Zelek, Laura Westacott

08:45 – 09:15 **Therapeutic targets – overview** - Claire Harris

09:15 – 09:45 **Anti-complement drugs in disease; Lessons from animal models** – Kevin Marchbank

09:45 – 10:15 **C5 vs. C3 based therapeutic approaches in kidney disease (including eculizumab withdrawal trials**
- Neil Sheerin

10:15 – 10:45 **C5 vs. C3 based approaches in PNH** - Richard Kelly

10:45 – 11:15 Refreshment and Poster Viewings

11:15– 11:45 **Targeting complement at the genetic level** - Scott Ellis

11:45 – 12:15 **Designing anti-complement drugs through structural studies** - Jean Van Den Elsen and Alex
Macpherson

12:15 – 13:30 Lunch and Poster Viewings

13:30 – 16:30 **SESSION 2: MECHANISMS AND DIAGNOSTICS**

Chair Alex Macpherson, Meike Heurich-Sevcenco

13:30 – 14:00 **Complement and genetics** - Santiago Rodriguez de Cordoba

14:00 – 14:30 **Pitfalls in complement analyses** – Erik Toonen

14:30 – 15:00 **New biological insight to complement regulation at the neuronal synapse** – Soyon Hong

15:00 – 15:30 **Lectin Pathway** - Wilhelm Schwaeble

15:30 – 15:45 Coffee

15:45 – 16:30 **Round table discussion ‘Is there a single best target for anti-complement drugs?’**

Neil Sheerin, Richard Kelly, Wilhelm Schwaeble, Simon Clark

16:30 – 16:45 **Prizes for best posters / oral presentations / tutor**

16:45 Final remarks and close of the meeting