



Retina Day 2015

Programme

Saturday 10 October 2015

10:30 am to 4:30 pm
(doors open from 09:30 am)

etc.venues St Paul's
200 Aldersgate Street
London, EC1A 4HD

Morning Agenda

09:30 to 10:30	Registration and refreshments in the Galleria & Dining Room
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Presentation Session I in the Premium Suite

10:30 to 10:40	Welcome and introductions from Michel Michaelides (Chair)
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10:40 to 11:00	How are RP Fighting Blindness supporting research? by Sue Drew
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11:00 to 11:20	Has research into retinal diseases really progressed? by James Bainbridge
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11:20 to 11:40	Are my personal experiences valuable to researchers? by Saruban Pasu & Roy Smith
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11:40 to 12:00	How do observational studies help research? by Michel Michaelides
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12:00	Session closes
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Lunchtime Agenda

12:00 to 14:00	Sandwich lunch & refreshments in the Galleria & Dining Room
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Poster and exhibitor session in the Galleria & Dining Room

During lunch do come and look at the research posters and speak with our researchers about our work in inherited retinal diseases as well as meet the exhibiting organisations who support research for eye disease.

13:00 to 13:45	Ask the experts what it means OPTIONAL SESSION in Premium 3
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You must have registered to attend this session.

If you have a scientific query or you want a technical term you have heard explained more clearly then our experts are ready to answer your questions.

Afternoon Agenda

Presentation Session 2 in the Premium Suite

14:00 to 14:05	Welcome back and introductions from James Bainbridge (Chair)
14:05 to 14:25	What has been happening in gene therapy research? by Alexander Smith
14:25 to 14:45	Will there be a gene therapy for my condition? by Tassos Georgiadis
14:45 to 15:10	What has been happening in stem cell research? by Emma West
15:10 to 15:15	How Moorfields Eye Charity supports research by Deborah Royal
15:15 to 15:30	Final audience questions and answers session
15:30 to 16:30	Final poster and exhibitor session in Galleria and Dining Room
16:30	Meeting close

Posters (Galleria & Dining Room)

- 1 What is the retina and how does it work?
- 2 What are inherited retinal degenerations?
- 3 What is deep phenotyping?
- 4 What is gene therapy?
- 5 What is gene editing for inherited retinal disease?
- 6 Gene therapy clinical trial pipeline - where are we now?
- 7 Long-term effects of gene therapy on Leber Congenital Amaurosis
- 8 Transplanting stem cell-derived retinal cells in Stargardt disease
- 9 What are stem cells?
- 10 Making retinal cells from stem cells
- 11 Stem cell research - where are we now?
- 12 Repairing the retina using cell transplantation
- 13 Could we explain it better?

Exhibitors (Galleria & Dining Room)

RP Fighting Blindness

A respected medical research charity and a nationwide organisation providing support and information to help patients live with retinitis pigmentosa and fund cutting edge research into the causes of and potential treatments for the disease.

Moorfields Eye Charity

Supports the incredible and pioneering work of Moorfields Eye Hospital and its research partner UCL Institute of Ophthalmology, raising money to help the hospital provide the best possible care for its patients, educate the researchers and clinicians of tomorrow and support leading-edge research that aims to develop new treatments for blinding diseases.

Fight for Sight

Supports medical research into a wide-range of eye conditions including research into the causes of childhood blindness and a large number of rare eye diseases. The charity is the largest in the UK dedicated to funding eye research.

Exhibitors (Galleria & Dining Room)

NIHR Moorfields Biomedical Research Centre

The BRC aims to speed up the application of new vision research in the laboratory to clinical and surgical practice for patients and seeks to find ways to support the involvement of patients and the public in influencing the research that is conducted on our site.

Urban Design Challenge

Early next year we will be holding a free interactive workshop to bring together people with visual impairment and researchers. This workshop aims to unravel the day-to-day challenges people face when navigating towns and cities and aims to identify the aspects of vision loss that future treatments should seek to address. Come find out how to take part.

Catching The Light

Come and take part in this art project by the NIHR Moorfields Biomedical Research Centre for the International Year of Light. Contribute to our fantastic light capturing sculpture display that will remind us of the importance of light in treating and diagnosing eye conditions.

Speaker Biographies

Michel Michaelides

- Professor of Ophthalmology, UCL Institute of Ophthalmology
- Consultant Ophthalmic Surgeon, Moorfields Eye Hospital



Interested in research aimed at improving the care and long-term outcomes for patients with inherited retinal diseases with a focus on studies that link clinical research with laboratory findings, especially in the form of clinical trials for novel gene and cell therapy for sight loss.

Sue Drew

- Engagement Manager, RP Fighting Blindness



Works collaboratively to reach individuals and families affected by RP, to improve knowledge of inherited eye conditions, and to develop and improve high quality information and support services for those living with sight loss. Sue understands the impact on families due to her own personal experience of supporting family with RP

Speaker Biographies

James Bainbridge

- Professor of Retinal Studies, UCL Institute of Ophthalmology
- NIHR Research Professor, NIHR Moorfields BRC
- Consultant Ophthalmologist, Moorfields Eye Hospital



Lead clinician in the world's first gene therapy trial for Leber Congenital Amaurosis caused by mutation in the RPE65 gene and in Europe's first in-human clinical trial to assess transplantation of human embryonic stem cell-derived retinal pigment epithelium in patients with Stargardt disease.

Saruban Pasu

- Clinical Research Fellow, NIHR Moorfields Biomedical Research Centre



Conducting the PIMS trial at Moorfields Eye Hospital - a study to assess whether advice to position face down as opposed to face forward after standard surgery has an impact on macular hole closure rates. The trial has involved patients in helping to design the study.

Speaker Biographies

Alexander Smith

- Senior Research Fellow,
UCL Institute of Ophthalmology



One of the lead scientists in the world's first gene therapy trial for inherited blindness (Leber Congenital Amaurosis caused by mutations in the RPE65 gene) and research fellow responsible for the pre-clinical development of gene therapy for inherited retinal dystrophies.

Tassos Georgiadis

- Senior Research Associate,
UCL Institute of Ophthalmology



Working in gene therapy research for with a focus on viral gene therapy including pre-clinical studies of possible interventions for inherited conditions causing retinitis pigmentosa and macular degeneration and pre-clinical optimisation of gene therapy for conditions such as LCA caused by mutations in the RPE65 gene.

Speaker Biographies

Emma West

- Senior Research Associate,
UCL Institute of Ophthalmology



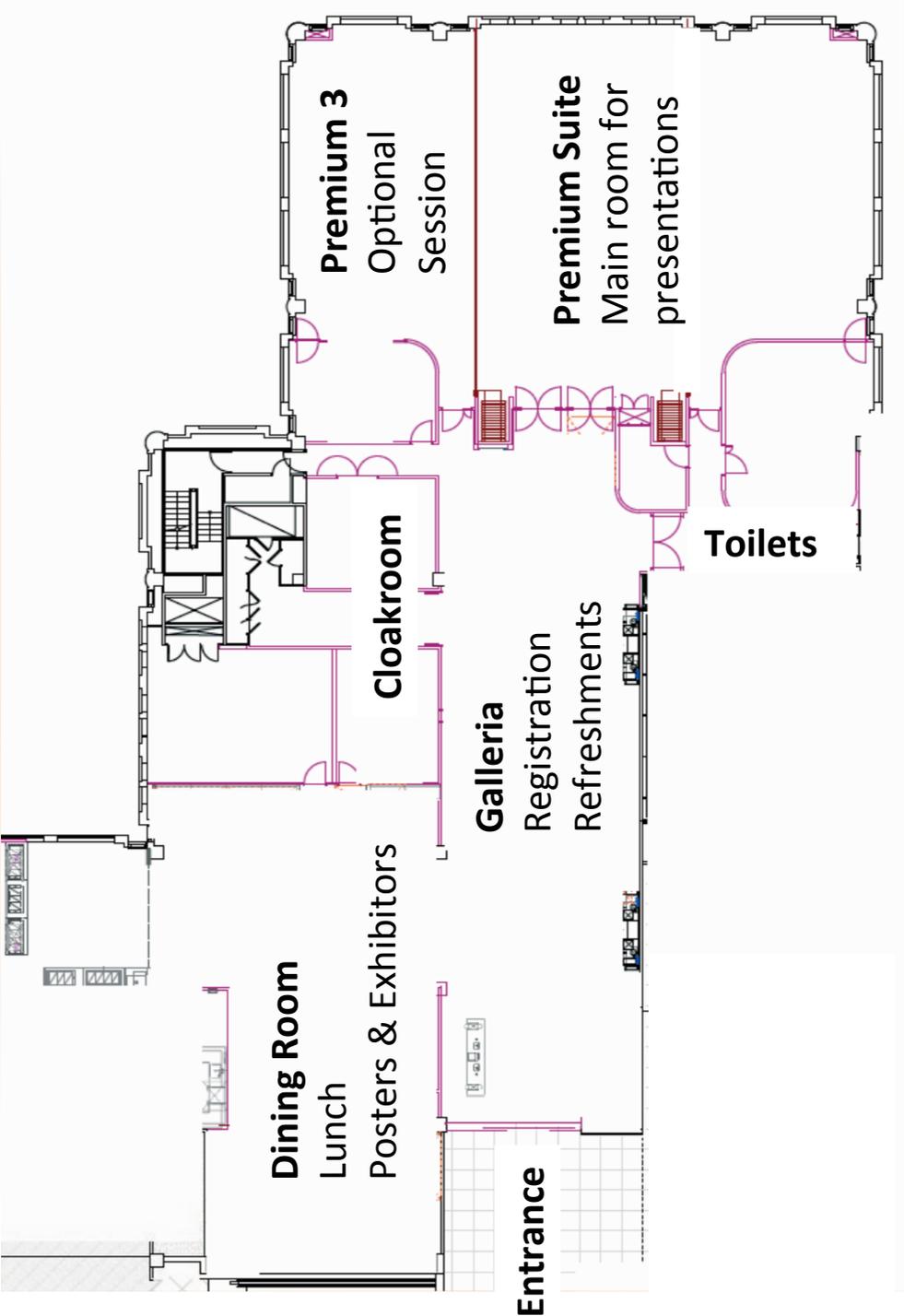
Researching the generation of retinal cells from stem cells and the transplantation of these cells to the diseased retina with the aim of developing this strategy into a potential cell therapy for retinal disorders in the future.

Deborah Royal

- Head of Individual Giving,
Moorfields Eye Charity



Leading on a number of fundraising programmes to support Moorfields Eye Hospital and its research partner UCL Institute of Ophthalmology in providing the best possible care for its patients, educating the researchers and clinicians of tomorrow, and supporting leading-edge research that aims to develop new treatments for blinding diseases.



Dining Room
Lunch

Posters & Exhibitors

Cloakroom

Galleria
Registration
Refreshments

Entrance

Premium 3
Optional
Session

Premium Suite
Main room for
presentations

Toilets