

**The Fourth International Symposium of the Lowe Syndrome Trust
Molecular and Clinical Advances in Lowe Syndrome
The Royal Society, Pall Mall, London SW1Y 5AG December 12th 2014**

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We would like to invite you to attend the 2014 Lowe Syndrome Trust Symposium, which will bring together UK and international research groups(funded by the Lowe Syndrome Trust), the Lowe Syndrome Scientific Advisory Board and other national and international medical experts and scientists in the field of Lowe syndrome research. The programme includes guest lectures by Professor Juan Carlos Izpisua Belmonte (The Salk Institute, USA and Professor Bruce Conklin (University of California, San Francisco, USA). There will also be a series of clinical and basic science talks from leading international clinicians and scientists, including Professor Robert Nussbaum (University of California, San Francisco, USA) and Professor Pietro De Camilli (Yale University, USA).

The day will start at 8:30am for registration and end at 5pm with a reception and poster display session exhibition during which charity patrons and members of several research teams will be available for discussion of their projects.

The Lowe Syndrome Trust was founded in June 2000 and is a very small UK voluntary charity that has become the main funder for Lowe syndrome research worldwide.

For the programme (as pdf) [click here](#), for a Lowe syndrome information leaflet [click here](#). Previous Symposium [click here](#)

To attend please return this form as an email lowetrust@gmail.com or call 0207 7948858/07958444020

I would like to attend the medical research meeting , please reserve a place _____

I would like to attend the Reception and exhibition after the meeting at 5pm _____

Name: _____ Title: _____

University/Hospital/Other: _____

Full Address _____

City, Postcode and Country _____

Email: _____ Telephone: _____

AGENDA

The Fifth International Symposium of the Lowe Syndrome Trust- Clinical and Molecular Advances in Lowe Syndrome

To be held at The Royal Society, Carlton House Terrace, London, December 12th 2014

08.30h - Registration: tea and coffee

09.10h: Welcome - Lorraine Thomas, Founder and Chair of the Lowe Syndrome Trust, London, UK; Robert Unwin, Chair Scientific Advisory Board

MORNING SESSION

Chair: Dr Richard Sandford

09.15h: Professor Robert Nussbaum - "A mouse model of Lowe syndrome – latest developments"

09.45h: Professor Martin Lowe - "A zebra fish model of Lowe syndrome"

Chair: Dr Detlef Bockenhauer

10.10h: Professor Robert Kleta - "A renal Fanconi syndrome"

10.35h: Dr Rudiger Woscholski - "Chemical tools for Lowe syndrome research"

11.00h: Dr Claudio Aguilar - "Lowe Syndrome: cellular phenotypes and therapeutic opportunities"

11.25h - Coffee break (15 min)

Chair: Professor Shamshad Cockcroft

11.40h: Professor Pietro de Camilli - "Impact of the absence of OCRL on early stages of the endocytic pathway in patient cells"

12.05h: Dr Antonella De Matteis - "Role of OCRL at lysosomes"

12.30h: Dr Laura Swan - "Evolutionary conservation of endocytic stations in Lowe syndrome"

13.00h – Lunch (45 min)

AFTERNOON SESSION

Chair: Prof. Philip Beales

13:45h: Professor Bruce Conklin (Guest speaker) – "Engineering induced pluripotent stem (iPS) cells to model genetic disease and potential therapeutic applications"

14.30h: Professor Juan Carlos Izpisua Belmonte (Guest speaker) – "Disease Modeling by Using Reprogramming Technologies"

15.15h - Tea and Coffee (15 min)

Chair: Professor Helen Cross

15.30h: Professor Chris Oliver & Dr Jane Waite - "The behavioural phenotype of Lowe syndrome".

Followed by Dr Mercedes Serrano - "Delineation of the neurological disorder of Lowe syndrome"

15.55h: Dr Nael Nadif-Kasri - "The functional analysis of the OCRL protein at glutamatergic synapses"

16.20h: Dr Sean Sweeney - "Identification of immune activation and synaptic physiological dysfunction in a Drosophila model of Lowe syndrome"

16.45h – Close of Symposium Meeting

RECEPTION AND EXHIBITION

17.00h – 18.30 Poster Viewing Session and drinks reception hosted by Penny Lancaster Stewart, Patron, The Lowe Syndrome Trust