

ESRIC Super-Resolution Summer School

3-7 August 2015



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The ESRIC super-resolution summer school is a five-day residential course held in Edinburgh during the world-renowned Edinburgh Festival. The course is designed to give participants a thorough grounding in super-resolution microscopy in an informal and intimate setting. It brings together leading academics and the major suppliers of super-resolution microscopes to provide expertise and guidance in structured illumination microscopy (SIM), stimulated emission depletion microscopy (STED), AiryScan Microscopy and single molecule localization microscopies (PALM, sptPALM and dSTORM). The summer school will include informal lectures on the theory of these approaches, the benefits and limitations of each technology and how they can be applied to real world biological research questions. This will be supported by extensive hands on workshops, using the latest equipment, from the major microscopy suppliers. In addition participants will have ample time to gain project specific advice from all of the academic experts and suppliers through dedicated Q&A sessions and informal social events. The course is suitable for anyone with prior experience of fluorescence microscopy looking to exploit the benefits of super-resolution microscopy in their research.

Proposed Programme

■ Monday

Informal seminars on the theory, application and analysis of Single Molecule Localisation Techniques followed by social Q&As with our speakers

■ Tuesday

Informal seminars on the theory, application and analysis of STED and SIM followed by a social Q&A with our speakers and a formal dinner in Edinburgh's new town.

■ Wednesday

Informal seminars on sample preparation, pitfalls and troubleshooting in super-resolution followed by an open workshop with some of the application specialists. A public lecture with the Nobel Laureate Eric Betzig with wine reception.

■ Thursday

Practical workshops with Leica, Zeiss, Nikon and Olympus followed by an evening within the Edinburgh Festival.

■ Friday

Practical workshops with Leica, Zeiss, Nikon and Olympus with dedicated sessions to test your own samples.

Application Form

The residential price to attend the ESRIC Super-Resolution Summer School is £750.00 including six nights accommodation. If you are based in the local area and do not require accommodation the reduced rate is £500.

There are only 33 places on this course and so in the likely event that it is oversubscribed we will run a pre-selection of those that register to give a diverse mix of participants at the event. Shortly after the closing date you will be contacted to confirm your attendance and request payment.

I would like to attend the ESRIC Super-Resolution Summer School on 3-7 August 2015:

Please complete in **BLOCK CAPITALS**

Surname:

Dr/Mr/Mrs/Miss/Ms

Forename:

Job Title:

Department:

Institute Address:

Post Code:

Day Time:

Ext/Bleep:

Mobile:

Email:

Please attach a one page summary describing your research interests, current use of microscopy and how you hope to use super-resolution in the future.

Course fee includes: VAT, registration, lunch and refreshments, two social events including dinner, course materials, accommodation and a certificate of attendance.

Please return completed form by the closing date of 31 March 2015 to:

Debby Dawson

Olympus

KeyMed House, Stock Road,
Southend-on-Sea, Essex, SS2 5QH

For further information please contact:

Tel: 01702 616333

Fax: 01702 452755

debby.dawson@olympusindustrial.eu

We cannot accept liability for costs incurred in the event of the summer school being cancelled as a result of circumstances beyond reasonable control. Places are limited, therefore please register early to avoid disappointment. Payment will be required once the pre-selection process has been concluded. In the event of cancellation refunds will only be given if the place can be filled by another applicant.

Course Leaders

Professor Eric Betzig

Janelia Research Campus, Howard Hughes Medical Institute

Dr. Susan Cox

Randall Division of Cell & Molecular Biophysics, Kings College London

Dr. Erik Manders

Nikon Center of Excellence for Super-Resolution Microscopy Development, University of Amsterdam

Dr. Colin Rickman

ESRIC, Institute of Biological Chemistry, Biophysics and Bioengineering, Heriot-Watt University

Professor Silvio Rizzoli

Department of Neuro and Sensory Physiology, University of Göttingen Medical School

Dr. Sebastian van de Linde

Department of Biotechnology and Biophysics, University of Wuerzburg

The OLYMPUS logo consists of the word "OLYMPUS" in a bold, blue, sans-serif font. A thin yellow horizontal line extends from the bottom of the letter "P" to the right, ending under the letter "S".

OLYMPUS KEYMED

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