

Programme for the 45rd Scottish Microscopy Symposium

The Beatson Intitute

22nd November 2017

Theme of meeting: Resolution

- 09.00 – 09.45** Registration and coffee
Trade exhibition and poster hanging/display
*Book your place for lunchtime workshops
Lecture Theatre
- 9.45 – 09.50** **Welcome and outline of the day and workshops**
- 9.50 – 10.00** **FACILITY TALK**
Leo Carlin, Beatson Institute
“The Beatson LM Facility”
SESSION 1 Better resolution from imaging to light microscopy
- 10.00 – 10.30** **Sandy Cochran and Holly Lay, School of Engineering, University of Glasgow**
“Microultrasound imaging and other techniques as a route to increased spatial resolution”
- 10.30 – 10.50** **Katie Hughes, Wellcome Centre for Molecular Parasitology, University of Glasgow**
“Flow cytometry with imaging: using the Imagestream in parasitology”
- 10.50 – 11.40** **KEYNOTE**
Ricardo Henriques, MRC Laboratory for Molecular Cell Biology, UCL, London “From SRRF using NanoJ”
- 11.40 – 12.00** **PUBLIC ENGAGEMENT LECTURE**
Mhairi Towler, Vivomotion, Dundee
“Making your presentations more animated: the experience of Vivomotion”
- 12.00 – 14.00** Lunch and Tradeshow / Poster session / Photo competition / Tour of facilities and Workshops*
- 14.00 – 14.45** **KEYNOTE**
Gaia Pigino, Max Planck Institute, Dresden
“Structural and functional studies of cilia and intraflagellar transport by 3D cryoEM”
- 14.45 – 15.00** **FACILITY TALK**
David Bhella, MRC Centre for Virus Research, University of Glasgow
“New National CryoEM Facility at the Sir. Michael Stoker Building, University of Glasgow”

15.00 – 15.20 Contributed talks

15.20 – 15.45 Coffee/tea

SESSION 3 Imaging of materials at the highest resolution

15.45 – 16.00 **FACILITY TALK**

Ian MacLaren, Kelvin Nanocharacterisation Centre, University of Glasgow
“Nanoscale imaging and spectroscopy in the electron microscope”

16.00 – 16.20 Contributed talks

16.20 –16.50 **Fabio Nudelman, School of Chemistry, University of Edinburgh**

“Characterizing the structure and functionality of organic matrices of mineralized tissues”

16.50 –17.00 Prize giving and close

**There are 11 trade stands.*

The photo competition will be judged by Mhairi Towler. Submission details will be available on the SMG website.

Abstracts will be published on the SMG website for download ahead of the meeting.

Workshops: Carl Zeiss (Mark Montgomery): “Fast and Gentle Confocal Imaging with Airyscan, featuring the Airyscan 88”. Leica Microsystems (Alain Stewart) , featuring their new TIRF system: “Just one of the many options available on the new DMI8-S live-cell platform.”

OMERO (Will Moore) “Introduction to OME, MERO and OMERO-figure.

Register for workshops at the registration/reception desk on the day.