

The Scottish Microscopy Society's 47th Annual Symposium

Tuesday 3rd December 2019, Roslin Institute, Easter Bush Veterinary Campus, EH25 9RG

09:30 – 09:50	Registration	
09:50 – 10:00	Welcome! Charlotte Buckley, SMS Chair, University of Strathclyde	
10:00 – 10:15	Beatriz Vale <i>Heriot Watt University</i>	Re-engineered enzymes as tools for microscopy – the new field of enzymostaining?
10:15 – 10:30	Scott Dillon <i>University of Edinburgh</i>	A tale of two phosphatases: How do matrix vesicles generate phosphate for bone mineralisation
10:30 – 10:45	Anh Hoang Le <i>CRUK Beatson Institute</i>	The novel protein family CYRI cooperatively regulates cancer cell migration and invasion through Integrins trafficking
10:45 – 11:00	Technobites session –Zeiss and Nikon	
11:00 – 11:20	Richard Collins <i>Edinburgh College of Art</i>	Making Tangible: 3D printing from medical images
 <i>Morning tea/coffee & posters</i>		
11:50 – 12:05	Soraya Caixeiro <i>University of St Andrews</i>	Nanolasers for multiplexed tagging and tracking of individual cells
12:05 – 12:20	Justine Eerden <i>University of Aberdeen</i>	Enhancing soft tissue contrast for microCT imaging of human Achilles tendon entheses
12:20 – 13:00	Juan Varela <i>University of St Andrews</i>	Keynote: Nano-scale dynamics in the brain
 <i>Lunch break/trade exhibition/posters</i>		
14.15 – 14.30	Anna Magdalena Koester <i>University of Glasgow</i>	Spatio-temporal dynamics of GLUT4 dispersal in cardiomyocytes
14.30 – 14.45	Adrian Garcia Burgos <i>Heriot Watt University</i>	Four-dimensional Super-Resolution imaging in living intact pancreatic islets
14.45 – 15.00	Yangminghao Liu <i>University of Dundee</i>	In situ dynamics of root-microbe interaction in smart soils using Light Sheet Microscopy
15:00 – 15:20	Nikki Paul <i>CRUK Beatson Institute</i>	Career talk
15:20 – 15:30	Technobites session – Thistle Scientific, Bertin Instruments and Laser 2000	
 <i>Afternoon tea/coffee & posters</i>		
15:50 – 16:05	Jennifer Ross <i>University of Edinburgh</i>	Cryo-electron Microscopy Structure of an Encapsulated Ferritin Complex
16:05 – 16:20	Amy Cooper <i>University of Aberdeen</i>	Using multiple microscopy techniques to explore the Varroa mite feeding site
16:20 – 16:35	Cristina Martinez-Gonzalez <i>University of Edinburgh</i>	Whole brain imaging using light-sheet microscopy to investigate neuronal populations changes in rodents models of autism spectrum disorders
16:35 – 16:45	Bob Fleming <i>Roslin Institute</i>	Facility talk
16:45 – 16:55	 Prize giving for SMS logo, talks and posters	
16:55 – 17:00	Meeting Close	