

Imagine: Imaging Life

Imaging Life 2016

The Diamond, 32 Leavygreave Road, Sheffield, S3 7RD
University of Sheffield

Programme

9:30 - 10:30 *Registration, Tea & Coffee (Basement Atrium)*

Session 1 (Lecture Theatre 5)

- 10:30 - 10:40 Inaugural Talk
- 10:40 - 11:20 **Resolving clathrin cage structure using single particle cryo-electron microscopy**
Dr Corinne Smith (University of Warwick)
- 11:20 - 11:40 *Selected paper - Peptidoglycan Dynamics in Staphylococcus aureus using Super-resolution Microscopy*
Dr Victoria Lund (University of Sheffield)
- 11:40 - 12:00 Imagine student introductions (5 min each)
- 12:00 - 12:20 *Selected paper - Using Atomic Force Microscopy for the Study of Soft Biological Samples*
Dr Richard Bailey (University of St Andrews)
- 12:20 - 14:00 *Poster presentation & Lunch (Basement Atrium)*

Session 2 (Lecture Theatre 5)

- 14:00 - 14:40 **Of gels and cells – Understanding growth and materials in plants**
Dr Siobhan Braybrook (University of Cambridge)
- 14:40 - 15:00 *Selected paper - Architecture of basal layer of Clostridium species exosporium*
Dr Thamarai Janganan (University of Sheffield)
- 15:00 - 15:20 *Selected paper - Condenser-free contrast methods in transmitted-light microscopy*
Dr Kevin Webb (University of Nottingham)
- 15:20 - 16:00 *Coffee Break & Image competition voting (Basement Atrium)*

Session 3 (Lecture Theatre 5)

- 16:00 - 16:40 **Super-resolution light microscopy: imaging life beyond the diffraction limit**
Dr Alex Knight (National Physical Laboratory, Middlesex)
- 16:40 - 17:00 *Selected paper - Direct imaging of a highly curved vesicular photosynthetic membrane, chromatophores, using tapping mode Atomic Force Microscopy (AFM)*
Dr Sandip Kumar (University of Sheffield)
- 17:00 - 17:20 **Resolution revolution in Sheffield**
Dr Svetomir Tzokov (University of Sheffield)
- 17:20 - 17:30 Poster/Image competition prize giving
- 17:30 - 18:30 *Wine & Cheese reception (Basement Atrium)*
- 18:30 onwards *Imaging Life dinner (invited event)*



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