

Monday 23<sup>rd</sup> April 2018

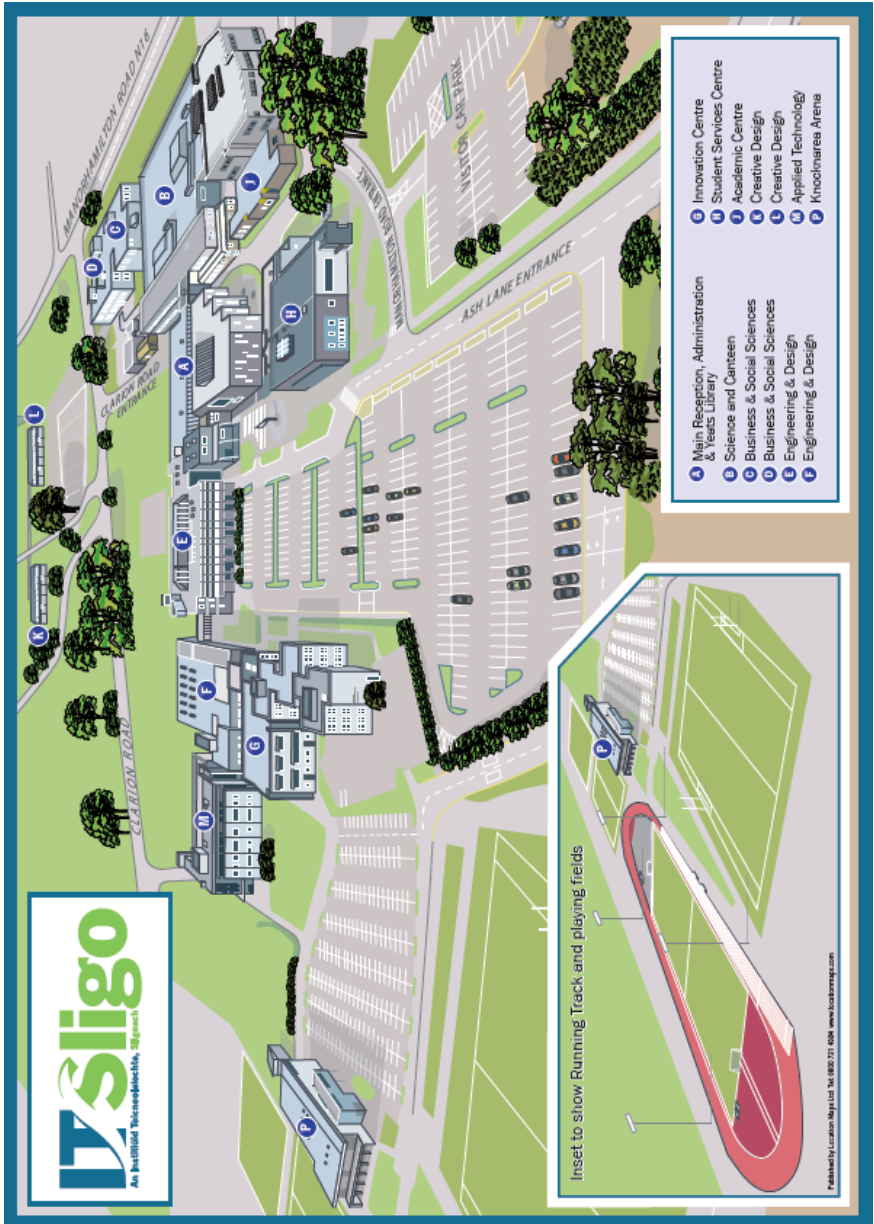
- 9.30-13.30 Microscopy workshops for primary school children in association with Under the Microscope, NUI Galway and The Digital Classroom, Zeiss
- 13.30-14.30 Registration
- 14.30-14.45 Welcome
- 14.45-15.30 Rory Comerford Memorial Lecture  
Dr Alex Ball, National History Museum
- 15.30-16.15 Poster Session
- 16.15-17.00 Invited talk: Dr Peter O'Toole, University of York sponsored by ANDOR
- 17.00-18.00 Microscopy Society of Ireland Committee Meeting

Tuesday 24<sup>th</sup> April 2018

- 9.30-9.50 Novel, high performance probes for STimulated Emission Depletion (STED) Microscopy in Cell Imaging  
*Aisling Byrne, Dublin City University*
- 9.50-10.10 Nervous System Development and Regeneration: A Cnidarian Approach  
*Eleni Chrysostomou, National University of Ireland, Galway*
- 10.10-10.30 Understanding the long-term fate of nanoparticles using a novel 3D system *in vitro*  
*Amirah Saad Alahmari, University College Dublin*
- 10.30-10.50 Centrosome Amplification increases Metastatic Potential in Breast Cancer  
*Anu Prakash, National University of Ireland, Galway*
- 10.50-11.15 Break

Tuesday 24<sup>th</sup> April 2018

- 11.15-12.00 Invited talk: Prof Iseult Lynch, University of Birmingham sponsored by Biosciences
- 12.00-12.20 Elucidating Polymorphism of Pharmaceutical Organic Crystals using Fast Detectors and Low Flux Electron Microscopy Methods  
*Dr Jennifer Cookman, Bernal Institute, University of Limerick*
- 12.20-12.40 Automated Analysis of Micrographs for Emulsion Quality Evaluation  
*Saritha Unnikrishnan, Institute of Technology Sligo, Ireland*
- 12.40-14.00 Lunch (optional tour of IT Sligo campus)
- 14.00-14.20 Direct Observation of Dissimilar Dissolution Behaviours in a Radiation Field: An In-situ Study of Layered Aluminum Based Minerals  
*Michele Conroy, Pacific Northwest National Laboratory, WA, USA*
- 14.20-14.40 Bandgap Measurement in an Aberration Corrected Monochromated Electron Microscope via Low-Loss STEM EELS  
*Eoin Moynihan, Bernal Institute, University of Limerick*
- 14.40-15.00 Probing Atomic Interaction between Implanted Ions and Two-Dimensional Materials  
*Eoghan O'Connell, Bernal Institute, University of Limerick*
- 15.00-15.30 Prize Giving and Close



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- I Academic Centre
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- K Creative Design
- L Applied Technology
- M Applied Technology
- N Knoolnarea Arena

Inset to show Running Track and playing fields

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42<sup>nd</sup> Microscopy of Ireland Annual Symposium  
Institute of Technology Sligo, 23<sup>rd</sup>-24<sup>th</sup> April 2018



The local organising committee at IT Sligo wishes to sincerely thank our sponsors  
for their support of the 42<sup>nd</sup> Microscopy of Ireland Annual symposium



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