

16th Martin and Willis IRDG student meeting, Wednesday 18th September 2019
Lancaster University, Lancaster LA1 4YB

Talks and refreshments will be held in the Faraday Building, Cavendish Colloquium.
 Lunch and Poster session will be held in the Department of Chemistry Foyer.

10.30	Registration, Tea and Coffee
11.00-11.10	Welcome and Introduction
11.10-11.30	Fahad Alhamoudi (Lancaster University) Nano-Bioactive Composites Improving Angiogenesis in Bone Bioengineering
11.30-11.50	Maria Plunkett (University of Strathclyde) Nanostar Probes with Dual Function for SERS and Photothermal Therapy
11.50- 12.10	Astrid Blee (University of Bristol) Non-destructive detection of hot corrosion using artificially corroded samples
12.10-12.30	Laura Moran (University of Exeter) Using astrophysics to improve breast cancer detection
12.30-14.30	Lunch and Poster session
14.30-14.50	Ziwei Ye (Queens University Belfast) Stable plasmonic aggregates for the detection of biomolecules
15.50-15.10	Caitlin Thomson (University of Strathclyde / NPL) Raman metrology for live cell imaging
15.10-15.30	Deeba Zahoor (Sheffield Hallam University) Investigation of within-tablet dynamics for extended release of a poorly-soluble basic drug from hydrophilic matrix tablets using ATR-FTIR imaging
15.30-16.00	Tea and Coffee
16.00-16.20	Max Dooley (University of Nottingham) Spatially-offset Raman Spectroscopy for monitoring mineralization of bone tissue engineering scaffolds: Feasibility study based on phantom samples
16.20-16.40	Cai Li Song (Imperial College London) Micro ATR-FTIR spectroscopic imaging of colon polyps with large radius Germanium crystal
16.40-17.00	Joshua Lee (Lancaster University) Developing SERRS-active noble metal sensing platforms for ultra-sensitive detection
17.00	Check In
19.00	Conference Dinner

224th IRDG Meeting, Thursday 19th September 2019
Lancaster University, Lancaster LA1 4YB

Talks and refreshments will be held in the Faraday Building, Cavendish Colloquium.
 Lunch will be held in the Department of Chemistry Foyer.

9.45	Registration, Tea and Coffee
10.10	Stephanie Brookes (AstraZeneca) Nano-spots, new modalities and inorganics – applications of vibrational spectroscopy in the changing world of pharmaceutical analysis
11.10	Kate Nicholson (Northumbria University) From Cairo to Canterbury
11.50	Colin Campbell (University of Edinburgh) Answering Biological Questions with SERS
12.30	Lunch
13.30	Roy Goodacre (University of Liverpool) Enhancing metabolomics: shining light on metabolism
14.10	Francesca Palombo (University of Exeter) Shedding light on detection of acoustic waves for mapping tissue elasticity
14.50	Coffee
15.10	Ihtesham Rehman (Lancaster University) TBC
15.50	Paul Pudney (Unilever) Feel and function: understanding how products interact with people using spectroscopy

For further information please email: l.ashton@lancaster.ac.uk

Directions:

Venue Talks and refreshments will be held in the Faraday Building. Poster and lunch will be held in the Department of Chemistry Foyer.

Faraday Complex can be found in the Blue Zone on the campus map and is marked by the letters FAR <http://www.lancaster.ac.uk/media/lancaster-university/content-assets/documents/maps/campusmap.pdf>

Visitor parking is available in Car Parks B and C. Please note that there is no ticket machine in Visitor Car Park Zone B. The nearest ticket machine, along with additional Visitor Car Parking, is located in Visitor Car Park Zone C, on John Creed Avenue.

Buses The 4 and 4X services operate between Lancaster Railway Station and Lancaster University every 30 minutes Monday to Saturday daytimes. The journey time is around 25 minutes. Alternatively, the more regular 1 and 100 services operate between the city centre and Lancaster University. Buses to Alexandra Park are heading to Lancaster University, while buses to Morecambe and Heysham will pass through Lancaster city centre. All 4, 1 and 100 services drop off and collect passengers in the Underpass, situated underneath Alexandra Square in the centre of campus