

RSC ORGANIC DIVISION MIDLANDS REGIONAL MEETING - Tue 19 March, 2019

University of Warwick

The University of Warwick hosted the 2019 Midlands Regional Meeting on 19 March 2019. 145 delegates attended from 9 Universities and 10 companies, and there were 36 poster presentations.

The plenary speaker was Prof Bradley Moore from the University of California at San Diego, who was the recipient of the RSC Natural Products Award 2018. Bradley presented on his research "Connecting Genes to Chemistry to Empower Natural Product Discovery and Synthesis".

Additionally, there were supporting talks by Dr Brian Cousins (Loughborough), Dr Sarah-Jane Richards (Warwick), Dr Giovanni Bottegoni (Birmingham), Dr Timothy Craggs (Sheffield), Dr Warren Cross (Nottingham Trent), Dr Richard Doveston (Leicester) and Dr Nicholas Mitchell (Nottingham). The full programme of lectures is attached.

The meeting was generously sponsored by the Royal Society of Chemistry Organic Division and Charnwood Molecular who provided the poster prizes. This poster competition was won by James Grayson (University of Sheffield) with Jacob Sargeant (University of Warwick) and Colum Breen (University of Loughborough) as joint runners-up.

Asynt, IKA, Fluorochem, Manchester Organics and TCI Chemicals all supported the event as exhibitors.



Professor Bradley Moore (L) receiving the RSC Natural Product medal from Dr Paul Davies (R).

PROGRAMME

RSC ORGANIC DIVISION MIDLANDS REGIONAL MEETING - Tue 19 March, 2019 MS.01, Zeeman Building, Department of Maths & Statistics

10.00-10.40 *Refreshments and poster set up*

Session 1 Chaired by Chris Corre

10.40-10.45 Welcome Prof Mike Shipman

10.45-11.15 **Dr Brian Cousins, Loughborough University**
Next Generation Pre-Polymer Coatings for Endothelialisation of Cardiovascular Biomaterials

11.15-11.45 **Dr Sarah-Jane Richards, University of Warwick**
Combinatorial Discovery of Antimicrobial Copolymers Using 'In-air' Photochemical Polymerisation

11.45-12.15 **Dr Giovanni Bottegoni, University of Birmingham**
In Silico Polypharmacology

12.15-12.45 **Dr Timothy Craggs, University of Sheffield**
DNA Flexibility as a Marker of Aberrant DNA Structure

12.45-14.00 *Buffet lunch, poster viewing and exhibitors*

Session 2 Chaired by Manuela Tosin

14.00-14.30 **Dr Warren Cross, Nottingham Trent University**
Post-Synthetic Modification of Peptides by C-H Functionalization

14.30-15.00 **Dr Richard Doveston, University of Leicester**
Stabilising Protein-Protein Interactions: A Challenge for Ligand Discovery

15.00-15.30 **Dr Nicholas Mitchell, University of Nottingham**
Accelerated Protein Synthesis via Diselenide-Selenoester Peptide Ligation

15.30-16.00 *Refreshments*

Session 3 Chaired by Prof Greg Challis

16.00-16.15 **Award & Poster Presentation**
Dr Paul Davies
Dr Sam Coe, Senior Research Chemist, Charnwood Molecular Ltd

16.15-17.15 **RSC Natural Products Award Lecture**
Prof Bradley Moore, University of California at San Diego
Connecting Genes to Chemistry to Empower Natural Product Discovery and Synthesis

Wine reception