

11 December 2017

Time	Event	Session chair
10:00	Registration	
10:30	Introduction and welcome	
Session 1		
10:40	Extensive non-canonical phosphorylation in human cells revealed using strong-anion exchange-mediated phosphoproteomics Claire Eyers	Cai-Guang Yang <i>Chinese Academy of Sciences</i>
11:10	Chemo-enzymatic approach for detecting glycan structures Wen Yi	
11:40	Coffee break	
12:00	Chemical synthesis of interferon gamma Suwei Dong	
12:30	Stabilising i-Motif DNA secondary structures: sequences, cations and ligands Zoë Waller	
13:00	Lunch	
Session 2		
14:00	Radical mechanisms in SAM enzymes Qi Zhang	Sarah Barry <i>King's College London</i>
14:30	Natural products: the inspiration for new antibiotics Chris Willis	
15:00	Coffee break	
15:20	Fluorescent imaging of <i>in vivo</i> metabolic states with genetically encoded fluorescent biosensors Yi Yang	
15:50	Chemical tools for the investigation and the exploitation of natural product assemblies Manuela Tosin	
16:20	Flash presentations	
16:50	Poster session	
18:00	Close	

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Session 3		
09:30	Photo-controllable fluorescent proteins for live-cell super-resolution microscopy Pingyong Xu	Carmen Galan <i>University of Bristol</i>
10:00	Adventures in chemical biology – palladium mediated <i>in situ</i> synthesis and <i>in vivo</i> optical imaging Mark Bradley	
10:30	Development of drug design methods and applications in first-in-class drug discovery Jian Zhang	
11:00	Coffee break	
11:20	Development of inhibitors for mRNA demethylase Cai-Guang Yang	
11:50	Conformationally constrained peptides as tools for chemical biology Andrew Jamieson	
12:20	Lunch	
Session 4		
13:30	Chemical physiology of protein conjugates and natural products Gonalo Bernardes	Patrick Steel <i>University of Durham</i>
14:00	Photo-clickable peptides or microRNAs with chemical biological applications Yan Zhang	
14:30	Coffee break	
14:50	Study of functional nucleic acids Tian Tian	
15:20	Towards understanding the energy coupling mechanism of respiratory complex I: defining the proton-coupled electron transfer reaction at Fe–S cluster N2 using hyperfine EPR spectroscopy Maxie Roessler	
15:50	Poster prizes	
16:30	Close	