



**Monday 10 May 2021**

14.00	<b>Welcome and introductions</b> Helen Hailes, Chair of the Organising Committee <i>University College London</i>
	<b>Session introduction</b> Chair: Emmanuelle Thinon <i>IECB/CNRS</i>
14:05	<b>Weighing the influence of assembly thermodynamics on protein evolution</b> Justin Benesch <i>University of Oxford</i>
14.40	<b>Lightning presentations</b>  <b>A fluorogenic smartprobe for the detection of activated neutrophils and neutrophil extracellular traps (P63)</b> Maria Rodrigues Rios <i>University of Edinburgh</i>  <b>Evaluating the relationship between the strength of tyrosine-mediated hydrogen bonding and the catalytic activity of RhoA (P05)</b> Patrick Baumann <i>Cardiff University</i>  <b>N-myristoyltransferase inhibition selectively eliminates MYC-deregulated cancers (P26)</b> Andrii Gorelik <i>Imperial College London/The Francis Crick Institute</i>
14.55	<b>Applying chemical biology to investigate diseases of ageing</b> Fiona Marshall <i>MSD</i>
15.30	<b>Break</b>
	<b>Session introduction</b> Chair: Chris Spicer <i>University of York</i>
16.00	<b>Lightning presentations</b>  <b>Light-activated gene expression inside synthetic cells (P64)</b> Jefferson Smith <i>University of Oxford</i>  <b>Development of chemical tools for the study of TRPC1/4/5 channels (P56)</b> Isabelle Pickles <i>University of Leeds</i>

(All timings are British Summer Time)



	<b>Discovering molecular ‘glues’ for protein–protein interactions with native mass spectrometry (P07)</b> Jeddiah Bellamy-Carter <i>University of Birmingham</i>	
16:15	<b>Activity-based proteomics – target and ligand discovery on a global scale</b> Benjamin Cravatt <i>The Scripps Research Institute</i>	
16:50	<b>Posters and networking</b>	17.00-17.30 <b>Meet the speakers</b>
18:00	<b>Close of session</b>	



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14:00	<b>Welcome and introductions</b>	
	<b>Session introduction</b> Chair: Martin Hayes <i>AstraZeneca</i>	
14.05	<b>Engineering enzymes for bioactive noncanonical amino acid synthesis</b> Gerrit Poelarends <i>University of Groningen</i>	
14.40	<b>Lightning presentations</b>  <b>Stafia-1: a STAT5a-selective inhibitor developed via dockingbased screening of in silico O-phosphorylated fragments (P46)</b> Daniel Müller-Klieser <i>Universität Leipzig</i>  <b>Mitokyne: A ratiometric raman sensor for mitochondrial pH</b> Liam Wilson <i>University of Strathclyde</i>  <b>Characterisation of library-derived peptides as modulators of <math>\alpha</math>-synuclein variant aggregation in Parkinson's disease (P66)</b> Kathryn Watt <i>University of Bath</i>	
14:55	<b>Chemical probes of bacteria</b> Laura Kiessling <i>Massachusetts Institute of Technology</i>	
15.30	<b>Posters and networking</b>	16.00-16.30 <b>Meet the speakers</b>
	<b>Session introduction</b> Chair: Rachael Dickman <i>University College London</i>	
16.45	<b>Lightning presentations</b>  <b>Probing the mode of action of eW5, a small molecule plant growth Promotor (P61)</b> Jonathan Reuven <i>Durham University</i>  <b>Mechanism and structure of psychrophilic and mesophilic (R)-3-hydroxybutyrate dehydrogenase (P29)</b> Teresa Guerreiro Machado <i>University of St Andrews</i>	

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	<b>Fragment-linking peptide design yields a high-affinity ligand for microtubule-based transport (P16)</b> Jessica Cross <i>University of Bristol</i>
17:00	<b>Delivering proteins to cells and animals</b> Alanna Schepartz <i>UC Berkeley</i>
17.35	<b>Concluding remarks and poster prizes</b> Ali Tavassoli, President of the Chemistry Biology Interface Division <i>University of Southampton</i>
17:45	<b>Close of symposium</b>