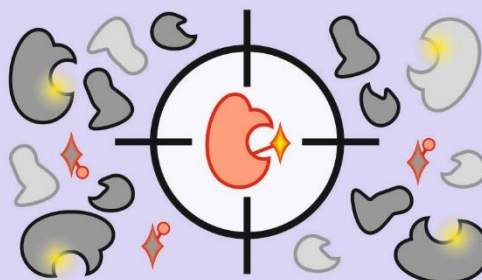


Target Discovery using Chemical Probes

Symposium, 21-23 March 2018, Oxford



Program

Wednesday 21 March

12:00	Registration, welcome lunch, mount the posters
14:00	Renier van der Hoorn , University of Oxford: <i>Welcome; why are we here?</i>
	Session 1 Chairs: Christian Ducho & Benedikt Kessler
14:10	S1: Matthew Bogyo , Stanford University <i>Sponsored by RCS-CBBG</i> Identification of novel serine hydrolase virulence factors in <i>Staphylococcus aureus</i> using active site probes
14:50	S2: Dara Annett , The Francis Crick Institute: <i>Chemical profiling of serine hydrolases activity across the malaria parasite life cycle identifies potential antimalarial targets and the activation of host enzymes in infected erythrocytes.</i>
15:05	S3: Hester Beard , University of Leeds <i>Catalytic chemical tools for the study of protein-protein interactions</i>
15:20	Coffee break
	Session 2 Chairs: Benedikt Kessler and Christian Ducho
15:50	S4: Alexander Adibekian , Scripps Institute <i>Cellular uptake with cysteine-reactive tags</i>
16:20	S5: Lledó Bou-Iserte , Universitat Jaume I <i>Protease irreversible inhibitors as warheads</i>
16:35	S6: Kyoko Morimoto , University of Oxford <i>1,3,5-Triazine probe KSC-3 targets plant ascorbate peroxidases</i>
16:50	S7: Aaron Cabral , University of Toronto <i>Sponsored by RCS-CBBG</i> <i>ProxyPhos: small molecule probes for proximal phosphorylation</i>
17:05	Poster session-I with drinks (odd-number posters)
19:00	Diner in Hall

Thursday March 22

	Session 3 Chairs: Galia Blum & Matt Bogyo <i>Sponsored by RSC-CBID</i>
9:00	S8: Christian Ducho , Saarland University <i>Targeting the bacterial translocase MraY</i>
9:30	S9: Stephan Hacker , TU Munich <i>Proteome-wide profiling of lysine reactivity and ligandability</i>
9:50	S10: Casper de Boer , Leiden University <i>Development of endo-glycosidase ABPs</i>
10:05	S11: Jonas Drechsel , TU Munich <i>A chemical probe to monitor parkinsonism-associated protein DJ-1 in live cells</i>
10:20	<i>Coffee break</i>
	Session 4 Chairs: Matt Bogyo & Galia Blum
10:50	S12: Benedikt Kessler , University of Oxford <i>Molecular basis of selective USP7 inhibition</i>
11:20	S13: Ane Kjersti Vie , Trondheim University <i>The plant derived metabolite allyl isothiocyanate selectively activates a hydrolase in Arabidopsis thaliana.</i>
11:35	S14: Chi-Line Kuo , Leiden University <i>In vivo targets of the irreversible inhibitors conduritol B-epoxide and cyclophellitols as revealed by activity-based probes</i>
11:50	S15: Tom Lanyon-Hogg , Imperial College London <i>Chemical probes for Hedgehog acyltransferase, a therapeutic target in cancer</i>
12:05	<i>Lunch break/posters</i>
	Session 5 Chairs: Stephan Sieber & Mario van der Stelt
13:30	S16: Akane Kawamura , University of Oxford <i>Cyclic peptides for studying protein-protein interactions</i>
14:00	S17: Huib Ovaa , Leiden University Medical Center <i>Proteasome Activation by Small Molecules</i>
14:30	S18: Scott Lovell , Imperial College London <i>Unlocking the KLK activome in drug-resistant cancer: biomarker discovery & target validation</i>
14:45	<i>Coffee break</i>
	Session 6 Chairs: Mario van der Stelt & Stephan Sieber
15:15	S19: Galia Blum , The Hebrew University <i>Novel cathepsin activity-based probes and their applications</i>
15:45	S20: Aisling Minard , University of Leeds <i>Understanding the mode-of-action of TRPC4/5 ion channel inhibitors</i>
16:00	S21: Johana Misas-Villamil , University of Cologne <i>PLCPs as hubs in plant immunity: case studies using ABPP</i>
16:15	S22: Sybrin Schroder , Leiden University <i>Activity-based protein profiling of exo- and endo-xylanases in Aspergillus secretomes</i>
16:30	<i>Poster session-II with drinks (even number posters)</i>
18:00	<i>City tour and free evening</i>

Friday March 23

	Session 7 Chairs: Huib Ovaa & Markus Kaiser
9:00	S23: Mario van der Stelt , Leiden University <i>Chemical proteomics for the discovery and profiling of drug candidates</i>
9:30	S24: Martin Witte , University of Groningen <i>Mix-and-match synthesis of chemical probes in human cells</i>
9:50	S25: Sabrina Ninck , University of Duisburg-Essen <i>Neratinib as a chemical probe for target identification in <i>A. thaliana</i></i>
10:05	S26: Adan Pinto-Fernandez , University of Oxford <i>Combination of last generation ubiquitin-based probes and advanced proteomics for the study of DUBs</i>
10:20	Coffee break
	Session 8 Chairs: Markus Kaiser & Huib Ovaa
10:50	S27: Tom van der Wel , Leiden University <i>Precise gene editing allows visualization of kinase engagement by complementary chemical probes</i>
11:05	S28: Roeland Vanhoutte , KU Leuven <i>Clickable polyamine derivatives as probes for the polyamine transport system</i>
11:20	S29: Jian Yang , KU Leuven <i>A novel- efficient synthesis of an alkyne-fluorophosphate probe and application in labeling serine hydrolases</i>
11:35	S30: Aaron Wright , Washington State University & Pacific Northwest National Laboratory <i>Activity-based protein profiling of drug metabolism in the gut microbiome</i>
12:05	Poster prize announcement
12:15	Renier van der Hoorn , University of Oxford: <i>Thanks and goodbye</i>
12:25	Lunch and farewell