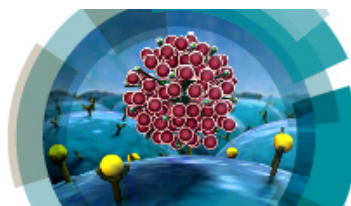


Nanolithography of Biointerfaces

Faraday Discussion

Wednesday 3 July



3–5 July 2019
London, UK

13:00	Registration	
14:00	Afternoon tea	
14:45	Welcome and Introductions Adam Braunschweig, <i>Chair of Scientific Committee</i>	
14:55	Outline of Discussion Format Lucy Balshaw and Michael Spencelayh, <i>Royal Society of Chemistry Publishing Editors</i>	
15:00	Introductory Lecture (Session Chair: TBC) <u>Peter Seeberger</u> <i>Max Planck Institute of Colloids and Interfaces</i>	
	Session 1: Multidimensional micro- and nano-printing technologies (Session Chair: TBC)	
16:00	High-throughput enzyme nanopatterning <u>Elisa Riedo</u> , Xiangyu Liu, Mohit Kumar, Annalisa Calo, Edoardo Albisetti, Xiaorui Zheng, Kylie Manning, Elizabeth Elacqua, Marcus Weck, and Rein Ulijn <i>New York University</i>	Paper 25679
16:05	UV-responsive cyclic peptide progelator bioinks Nathan Gianneschi, Andrea Carlini, Mollie Touve, Héctor Fernández-Caro, Matthew Thompson, Mary Cassidy and Wei Cao <i>Northwestern University</i>	Paper 25687
16:10	Poly(alkyl glycidyl ether) hydrogels for harnessing the bioactivity of engineered microbes <u>Alshakim Nelson</u> , Trevor Johnston, Christopher Fellin and Alberto Carignano <i>University of Washington</i>	Paper 25688
16:15	Discussion	
17:30	Close of sessions	

Thursday 4 July

Session 2: Preparation of multivalent glycan micro- and nano-arrays (Session Chair: TBC)		
10:00	Multivalent binding of Concanavalin A on variable-density mannoside microarrays <u>Daniel Valles</u> , Yasir Naeem, Angelica Rozenfeld, Rawan Aldasooky, Alexa Wong, Carlos Carbonell, David Mootoo and Adam Braunschweig <i>City University of New York</i>	Paper 25835
10:05	Factors contributing to variability of glycan microarray binding profiles <u>Jeffrey Gildersleeve</u> , J. Sebastian Temme, and Christopher Campbell <i>National Cancer Institute</i>	Paper 25682
10:10	A ‘catch-and-release’ receptor for the cholera toxin <u>Clare Mahon</u> , Gemma Wildsmith, Diksha Haksar, Eyleen de Poel, Roland Pieters, Jeffrey Beekman, Michael Webb and W Bruce Turnbull <i>University of Leeds</i>	Paper 25834
10:15	Discussion	
11:30	Lightning presentations (by invitation of the scientific committee)	
11:45	Poster session and lunch	
Session 3: Glycan interactions on glycocalyx mimetic surfaces (Session Chair: TBC)		
13:30	Engineering of spectator glycocalyx structures to evaluate molecular interactions at crowded cellular boundaries <u>Kamil Godula</u> , Daniel Honigfort, Michelle Zhang and Stephen Verespy <i>University of California, San Diego</i>	Paper 25862
13:35	Biopolymer monolith for protein separation <u>Yoshiko Miura</u> , Hirokazu Seto, Makoto Shibuya and Yu Hoshino <i>Kyushu University</i>	Paper 25684
13:40	Mimicking the endothelial glycocalyx through supramolecular presentation of hyaluronan on patterned surfaces <u>Helena Azevedo</u> , Xinqing Pang, Wei-Qi Li, Eliane Landwehr; Yichen Yuan and Wen Wang <i>Queen Mary University of London</i>	Paper 25690
13:45	Discussion	
15:00	Afternoon Tea	
Session 4: New directions in surface functionalization and characterization (Session Chair: TBC)		
15:30	Binary polymer brush patterns from facile initiator-stickiness for cell culturing <u>Zijian Zheng</u> , Lina Chen, Peng Li, Xi Lu, and Shutao Wang <i>The Hong Kong Polytechnic University</i>	Paper 25686
15:35	Probing the nanoscale organisation and multivalency of cell surface receptors: DNA origami nanoarrays for cellular studies with single-molecule control <u>Matteo Palma</u> William Hawkes, Da Huang, Paul Reynolds, Linda Hammond, Matthew Ward, Nikolaj Gadegaard, John Marshall and Thomas Iskratch <i>Queen Mary University of London</i>	Paper 25825
15:40	Discussion	
16:30	Close of sessions	

18:30	Pre-Dinner Drinks
19:00	Conference Dinner

Friday 5 July

	Session 4: New directions in surface functionalization and characterization continued (Session Chair: TBC)	
09:30	Magneto- and photo-responsive hydrogels by co-assembly of peptides, cyclodextrins and superparamagnetic nanoparticles <u>Bart Jan Ravoo</u> and Benedikt Nowak <i>Universität Münster</i>	Paper 25685
09:35	Hierarchically patterned striped phases of polymerized lipids: toward controlled carbohydrate presentation at interfaces <u>Shelley Claridge</u> , Tyson Davis, Jeremiah Bechtold, Tyler Hayes and Terry Villarreal <i>Purdue University</i>	Paper 25828
09:40	Charge-tuning of glycosaminoglycan-based hydrogels to program cytokine sequestration <u>Carsten Werner</u> , Passant Atallah, Yanuar Limasale, and Uwe Freudenberg <i>Leibniz Institute of Polymer Research Dresden, Max Bergmann Center of Biomaterials</i>	Paper 25833
09:45	Discussion	
11:00	Morning Tea	
11:30	Concluding Remarks Lecture (Session Chair: TBC) <u>Ten Feizi</u> <i>Imperial College London</i>	
12:15	Acknowledgements	
12:30	Close of meeting	

Presenting authors are indicated in the programme by an underline. The affiliation is for the presenting author. If the presenting author of your paper has changed since abstract selection please email events@rsc.org. Please note that this is a draft programme and timings may change.