



SMALP Meeting
Thursday 28th & Friday 29th January 2016
(Michael Tippet Room, Staff House)
University of Birmingham

Thursday 28th January

**indicates 5 minute Flash talk*

Time	Event	Name	Title
09:45 – 10:00	Arrival & Tea/Coffee		
10:00 – 10:10	Introduction	Tim Dafforn (University of Birmingham)	
<i>Membrane proteins in SMALPs : 1</i>			
10:10	Talk 1	Sarah Lee (University of Birmingham)	Bacterial Divisome Anchor Protein ZipA in SMALPs: Characterisation using Cryo-EM and SAXS
10:35	Talk 2	Alice Rothnie (Aston University)	Testing variations of the SMA polymer and reconstituting into proteoliposomes
11:00	Talk 3	David Poyner & Mark Wheatley (Univ of Birmingham & Aston Univ)	Probing activation mechanisms of SMALPed G-protein coupled receptors
11:25	Talk 4 *	Julia Kraemer (University of Birmingham)	Removal of unwanted SMA
11:30 – 11:45	Coffee Break		
<i>Membrane Proteins in SMALPs: 2</i>			
11:45	Talk 5	Thomas Laursen (University of California, Berkley)	Detergent free isolation of the dhurrin metabolon; a novel approach for pathway discovery
12:10	Talk 6	Chris Chambers (Syngenta, UK)	Application of SMALPs in Crop Protection Research - Finding the Needle in the (Nanodisc) Haystack
12:35	Talk 7 *	Naomi Pollock (University of Birmingham)	SMALP Cyp51: a fungal P450
12:45	Talk 8*	Kay Grünwald (Oxford Particle Imaging Centre)	Towards SMALP based extraction of integral membrane proteins from extracellular vesicles
12:55	Talk 9 *	Sara Alvira de Celis (University of Bristol)	Native holo-translocon studies
13:00 – 13:50	LUNCH (including group photo)		

Time	Event	Name	Title
	<i>Biophysics of SMALPing : 1</i>		
13:50	Talk 10	Sandro Keller (University of Kaiserslautern)	Biophysics of SMALP formation
14:15	Talk 11	Cecilia Tognoloni (University of Bath)	TBC
14:40	Talk 12	Stefan Scheidelaar (University of Utrecht)	SMA co-polymers and their interactions with model membrane systems
15:05	Talk 13 *	Rodrigo Cuevas Arenas (University of Kaiserslautern)	Influence of lipid composition on SMA solubilisation
15:15	Talk 14 *	Andrew Mackluskey (University of Bath)	Nanodisc models for calculation of small angle scattering patterns
15:25	Talk 15 *	Stephen Hall (University of Birmingham)	TBC
15:30 – 15:50	Tea Break		
	<i>New developments in SMALP Characterization</i>		
15:50	Talk 16	Alvin Teo (University of Warwick)	Lipid profiling of key bacterial cell division membrane proteins: A SMALP and LC-MS approach
16:15	Talk 17		Investigating membrane proteins using novel match-out deuterated detergents and small-angle neutron scattering
16:40	Talk 18	Jana Broecker (University of Toronto)	Detergent-free crystallisation of membrane proteins
17:05	Talk 19 *	Jonas Dorr (University of Utrecht)	Mechanistic insights from SMA 2 solubilisation of human cells
17:15-17:30	Summary & thanks	Tim Dafforn (University of Birmingham)	
18:30	Curry, Dilshad Restaurant, Selly Oak		

Friday 29th January

Time	Event
09:15 – 09:30	Tea & Coffee
09:30 – 11:30	Group 1 (Michael Tippet Room) / Group 2 (J B Priestly Room)