Oral programme

Tuesday 24 June		Room
15:00-18:00	Conference registration and poster set-up for session I	Sentosa
18:00-19:00	Welcome reception	Sentosa
18:30-19:30	**Poster session I**	Sentosa
Wednesday 25 June		**Room**
07:30-18:20	Registration	
09:00-09:10	Symposium welcome – **K.D. Janda**, *The Scripps Research Institute, USA*	Orchard
	Session chair: K.D. Janda, *The Scripps Research Institute, USA*	
09:10-10:00	**[Inv.01]** Chemical modulation of chromatin structure **J.Bradner**, *Harvard Medical School, USA*	Orchard
10:00-10:50	**[Inv.02]** Molecular recognition in chemical and biological systems: A multidimensional approach **F.Diederich**, *ETH, Switzerland*	Orchard
10:50-11:20	**Refreshment break and poster session I continued**	Sentosa
	Session chair: Keiji Maruoka, *Kyoto University, Japan*	
11:20-12:10	**[Inv.03]** Ligand-directed chemistry for endogenous protein labeling under live conditions **I.Hamachi**, University of Kyoto, Japan	Orchard
12:10-13:00	**[Inv.04]** Search for a naturally selected Diels-Alderase **H-W. Liu**, *University of Texas at Austin, USA*	Orchard
13:00-14:00	**Lunch**	Sentosa
14:00-14:30	**Poster session I continued**	Sentosa
	Session chair: John Wood, *Baylor University, USA*	
14:30-15:20	**[Inv.05]** Functional glycomics through chemical synthesis **G-J. Boons**, *University of Georgia, USA*	Orchard
15:20-16:10	**[Inv.06]** Natural product synthesis: A platform for discovery in chemistry and biology **S. Reisman**, *California Institute of Technology, USA* (Winner of the Young Investigator Award)	Orchard
16:10-17:00	**[Inv.07]** Enediyne biosynthesis, engineering, and drug discovery - challenges and opportunities **B. Shen**, *The Scripps Research Institute, USA*	Orchard
17:00-17:30	**Refreshment break and poster session II**	Sentosa
	Session chair: Peter Bernstein, *PharmaLLB, USA*	
17:30-18:20	**[Inv.08]** Fragment-based approaches in chemical biology and drug discovery **C. Abell**, *University of Cambridge, UK*	Orchard
18:20	End of day	
Thursday 26 June		**Room**
	Session chair: E. J. (Jim) Thomas, *University of Manchester, UK*	
09:00-09:50	**[Inv.09]** Membrane proteins and their complexes - insights from mass spectrometry **C. Robinson**, *University of Oxford, UK*	Orchard
09:50-10:40	**[Inv.10]** The free energy landscape of drug-receptor interactions **H. Jiang**, *Shanghai Institute of Materia Medica, China*	Orchard
10:40-11:20	**Refreshment break and poster session II continued**	Sentosa
	Session chair: Stephen Martin, *University of Texas, USA*	
11:20-11:40	**[O.01]** Bicyclic peptide antagonists developed by phage display **C. Heinis**, *EPFL, Switzerland*	Orchard
11:40-12:30	**[Inv.11]** Selective C(sp3)-H bond functionalization with P450 catalysts R. Fasan, *University of Rochester, USA* (Winner of the Young Investigator Award)	Orchard
12:30-13:20	**[Inv.12]** An inflammatory disulfide bond switch **C. Khosla**, *Stanford University, USA*	Orchard
13:20-14:20	**Lunch**	Sentosa
14:00-14:50	**Poster session II continued**	Sentosa
	Session chair: Stephen Neidle, *University of London, UK*	

14:50-15:10	**[O.02]** Synthetic routes to 18F-labelled gemcitabine and related 2'-fluoronucleosides **J-P. Meyer***, K. Probst, C. McGuigan, A.D. Westwell, *Cardiff University, UK*	Orchard
15:10-16:00	**[Inv.13]** Reprogramming the genetic code **J. Chin**, *Medical Research Council, UK*	Orchard
16:00-16:50	**[Inv.14]** Building selective gas sensors: Nature's way **M.A. Marletta**, *The Scripps Research Institute, USA*	Orchard
16:50-17:50	**Refreshment break and poster session III**	Sentosa
	Session chair: Ganesh Pandey, *National Chemical Laboratory, India*	
17:50-18:40	**[Inv.15]** Making molecular prosthetics with a small molecule synthesizer **M. Burke**, *University of Illinois, USA*	Orchard
18:40	End of day	
19:30	*Thames River Dinner Cruise. Optional conference dinner aboard the Dixie Queen – see information board for more details*	*Check information board for departure information*
Friday 27 June		**Room**
	Session chair: Herbert Waldmann, *Max Planck Institute of Molecular Physiology, Germany*	
08:45-09:35	**[Inv.16]** Complex natural products as a driving force for discovery in organic chemistry **B. Stoltz**, *California Institute of Technology, USA*	Orchard
09:35-10:25	**[Inv.17]** Using small molecules to engineer and explore human immunity **D. Spiegel**, *Yale University, USA*	Orchard
10:25-10:45	**[O.03]** Mono- and bifunctionalized cap analogues as new tools for investigation of mRNA metabolism, substrates for development of nucleotide drug delivery systems and nucleotide-derived protein biosensors **P. Wysmolek***, M. Warminski, Z. Tomasiewicz, J. Kowalska, J. Jemielity, *University of Warsaw, Poland*	Orchard
10:45-11:05	**[O.04]** The design, synthesis and evaluation of inhibitors of the HIF-1α/p300 protein-protein interaction **G.M. Burslem***[1], H. Kyle[1], A. Breeze[2], T. Edwards[1], S. Warriner[1], A. Nelson[1], A.J. Wilson[1], *[1]University of Leeds, UK, [2]AstraZeneca, UK*	Orchard
11:05-12:05	**Refreshment break and poster session III continued**	Sentosa
	Session chair: Dale Boger, *The Scripps Research Centre, USA*	
12:05-12:55	**[Inv.18]** The chemistry of DNA computation **S. Brenner**, *Janelia Farm, USA* (Nobel Prize Winner 2002)	Orchard
12:55	Poster awards and closing remarks	Orchard