ICBPE 2006 PROGRAMME-AT-A-GLANCE

Day 1 - Monday 11 December 2006

0830 – 0900	Registration			
0900 – 0910	Opening Speech by Conference Chair: A/P Kwoh Chee Keong, NTU, Singapore			
0910 – 0920	Opening Speech by Guest of Honour: Prof ER Meng Hwa, Acting Provost, NTU, Singapore			
0920 – 1000	**Plenary 1 Prof Antonios G. Mikos, Rice University, USA** *Nanobiomaterials for Tissue Engineering*			
1000 – 1030	Tea Break			
1030 – 1110	**Plenary 2 Prof David WL Hukins, University of Birmingham, UK** *Small Joint Replacement with Elastomers*			
1110 – 1150	**Plenary 3 Prof D.F. Williams, University of Liverpool, UK** *Changing Concepts of Biomaterials Specification*			
1150 – 1230	**Plenary 4 Prof Tim Wess, Cardiff University, UK** *Changing order and disorder in hierarchical assemblies of fibrous macromolecule*			
1230 – 1330	Lunch			
1330 – 1530	**Session M1A** Biochips and Bioinstrumentation(1) (Bergomont)	**Session M1B** Biomedical Imaging and Visualization(1) (Jasmine)	**Session M1C** Biomedical Signal Processing (1) (Lavender 1)	**Session M1D** Biomechanics(1) (Lavender 2)
1530 – 1600	Tea Break			
1600 – 1800	**Session M2A** Biochips and Bioinstrumentation(2) + Bionanotechnology and BioMEMS(1) (Bergomont)	**Session M2B** Biomedical Imaging and Visualization(2) (Jasmine)	**Session M2C** Biomedical Signal Processing (2) (Lavender 1)	**Session M2D** Biomechanics(2) (Lavender 2)
1800	End of Day 1			

Day 2 - Tuesday 12 December 2006

0830 – 0900	Registration			
0900 – 0940	**Plenary 5 Prof Stephen Wong, Harvard Medical School, USA** *Imaging as a biomarker: a multi-scale perspective*			
0940 – 1020	**Plenary 6 Prof Dhiraj K. Sardar, University of Texas, USA** *Highly Luminescent Rare Earth Nanoparticles for Potential Biomedical Applications*			
1020 – 1050	Tea Break			
1050 – 1130	**Plenary 7 Prof Hiroshi Maeda**, **Sojo University, Kumamoto University, Japan** *EPR-Effect: The Key Mechanism for Polymeric Drug Targeting to Tumor and Inflammatory Tissues*			
1130 – 1210	**Plenary 8 A/P Laura Marcu, University of California, USA** *Fluorescence lifetime spectroscopy and imaging for biomedical diagnostics*			
1210 – 1250	**Plenary 9 Dr Sally E Clift, University of Bath, UK** *The application of finite elements to the stress analysis of articular cartilage*			
1250 – 1350	Lunch			
1350 – 1550	**Session T1A** Bionanotechnology and BioMEMS(2) + Tissue Engineering (Bergomont)	**Session T1B** Biomedical Imaging and Visualization(3) + Drug Discovery and Design (Jasmine)	**Session T1C** Biomedical Signal Processing(3) (Lavender 1)	**Session T1D** Biomechanics(3) + Bioinformatics and Computational Biology(1) (Lavender 2)
1550 – 1620	Tea Break			
1620 – 1800	**Session T2A** Biooptics and Biosensing (1) (Bergomont)	**Session T2B** Assistive & Rehabilitation Technology (Jasmine)	**Session T2C** Biomedical Signal Processing (4) + Cardiovascular and Respiratory Systems(1) (Lavender 1)	**Session T2D** Bioinformatics and Computational Biology(2) (Lavender 2)
1800	End of Day 2			
1815	Conference Banquet			

Day 3 - Wednesday 13 December 2006

0830 – 0900	Registration			
0900 – 0940	**Plenary 10 Prof Gerald H. Pollack, University of Washington, USA** *Cells, Gels and the Engines of Life: A Fresh Approach to Cell Function*			
0940 – 1020	**Plenary 11 A/P Pierce Chow, Singapore General Hospital, Singapore** *The Future Role of Animal Experimentation in Biomedical and Pharmaceutical Engineering*			
1020 – 1050	Tea Break			
1050 – 1130	**Plenary 12 Prof Vladimir Brusic, Harvard University, USA** *Computational Immunology: Deciphering the Immune System*			
1130 – 1210	**Plenary 13 Prof Swee-Hin Teoh, National University of Singapore, Singapore** *Challenging issues in manufacturing bioresorbable scaffolds for clinical tissue engineering applications*			
1210 – 1250	**Plenary 14 Prof Michael Khor, Nanyang Technological University, Singapore** *Advanced Biomaterials Processing through Thermal Spray Technology and Spark Plasma Sintering (SPS)*			
1250 – 1350	Lunch			
1350 – 1430	**Invited Speaker 1 Rahul Thadani, AMBIS-sponsored Industry Speaker** *microRNAs: Computational Approaches and Clinical Potential*			
1430 – 1530	**Session W1A** Biooptics and Biosensing(2) (Bergomont)	**Session W1B** Targeted Drug & Gene Delivery (Jasmine)	**Session W1C** Cardiovascular and Respiratory Systems(2) (Lavender 1)	**Session W1D** Bioinformatics and Computational Biology(3) (Lavender 2)
1530 – 1600	Tea Break			
1600 – 1720	**Session W2A** Biomaterial and Biomolecular + Cognitive Neuroscience and Neurosystems (Bergomont)	**Session W2B** Assistive and Rehabilitation Technology(2) + Biorobotics, Surgical Robotics and Surgical Planning (Jasmine)	**Session W2C** Cardiovascular and Respiratory Systems(3) (Lavender 1)	**Session W2D** Bioinformatics and Computational Biology(4) + Distributed Diagnosis and Home Healthcare (Lavender 2)
1720 – 1800	**Invited Speaker 2 Joseph A. Pellettiere, U.S. Air Force** *Human Injury Prediction for US Air Force Research and Development*			
1800	End of Day 3			