

Program at a Glance

Wednesday 21 January 2009		
10:00 - 6:00	Registration Open	
10:30 -11:00	Arrival Coffee	
11:00 -11:20	Opening Ceremony	
11:20 -12:00	Plenary 1	
12:00 -12:30	Plenary 2	
12:30 - 1:30	Lunch	
1:30 - 3:00	Parallel Sessions 1 & 2	Drug Delivery and Implants
3:10 - 3:45	Plenary 3	
3:45 - 4:00	Afternoon tea	
4:00 - 6:00	Parallel Sessions 3 & 4	Tissue engineering and Biomaterials Surfaces
7:00 - 9:00	Welcome BBQ Dinner	Crowne Plaza
9:00	Student Drinks	Oceans Bar Crowne Plaza
Thursday 22 January 2009		
8:00 - 5:30	Registration Open	
8:30 - 9:10	Plenary 4	
9:15 - 10:30	Parallel Sessions 5 & 6	Animals Models and Tissue Engineering
10:30 - 10:50	Morning Tea	
10:50 - 12:30	Parallel Sessions 7 & 8	Self Assembly and Drug Delivery
12:30 - 3:30	Lunch and Poster Session	
3:30 - 5:35	Parallel Sessions 9 & 10	Scaffolds and Stem Cells and Composite Biomaterials
7:00 - 10:00	Conference Dinner	
Friday 23 January 2009		
8:30 - 3:00	Registration Open	
8.30 - 9.00	Arrival Coffee	
9:00 - 10:00	ASBTE AGM	
10:00 - 10:45	Plenary 5	
10:30 - 11:00	Morning Tea	
11:00 - 12:30	Parallel Sessions 11 & 12	Bioreactors and IP and Hydrogels and Elastomers
12:30 - 1:30	Lunch	
1:30 - 2:45	Parallel Sessions 13 & 14	Biomaterial Surfaces and Scaffolds
2:45 - 3:00	Closing Address	

Wednesday 21 January 2009		
10:30 -11:00	Arrival Coffee Pavilion	
11:00 -11:30	Opening Ceremony Mathews Theatre B	
Plenary Session	Chairs: Dr Chandra Sharma & Prof. Laura Poole-Warren Mathews Theatre B	
11:30 -12:00	Plenary 1: Banarjee, R Lipid Nanostructures And Biopolymeric Gels For Therapeutic Applications	
12:00 -12:30	Plenary 2: Zreiqat, Hala Functional Tissue Engineering: Combining Physics And Biology	
12:30 - 1:30	Lunch Pavilion	
1:30 - 3:10	Parallel sessions 1	Parallel sessions 2
	Drug Delivery Mathews Theatre B Chairs: Profesor Rolfe Howlett and Dr Ashish Lele	Implants Mathews Theatre C Chairs: A.Prof. Xia Lou and A.Prof George Dias
1:30 - 1:55	Sharma, Chandra Polymeric Nanoparticles Towards Oral Insulin Delivery: Blood Compatibility Concerns	Bhuvaneshwar, GS An Improved Tilting Disc Heart Valve Prosthesis
1:55 - 2:20	Bora, Utpal Drug Delivery With Polymeric Nanocarriers For Cancer Therapy	Jeon, Insu Mechanical Effect Of The Collar Of Hip Joint Implant On Thr
2:20 - 2:40	Thierry, Benjamin Gadolinium Oxide Nanoparticles: Novel Intracellular Mri Contrast Agent For Cell Labelling	Guhathakurta, Soma Small Diameter Vascular Graft By Tissue Engineering Of Cadaver Saphenous
2:40 - 3:00	Sahu, Abhishek Pluronic Micelles As Nanocarriers For Delivery Of Hydrophobic Anticancer Drugs	
Plenary Session	Chair: Dr John Ramshaw Mathews Theatre B	
3:10 - 3:45	Plenary 3: Udipi, Kishore Role Of Polymer Biocompatibility In Drug Eluting Stent Coatings	
3:45 - 4:00	Afternoon tea Pavilion	
4:00 - 6:00	Parallel sessions 3	Parallel sessions 4
	Tissue Engineering Mathews Theatre B Chairs: Dr Utpal Bora and Professor Dietmar Hutmacher	Biomaterial Surfaces Mathews Theatre C Chairs: Professor Hans Griesser and Professor Marcus Textor
4:00 – 4:20	Lord, Megan Chitosan Modulates Wound Healing Through Proteoglycan Bound Mediators	Vasilev, Krasimir Antimicrobial Coatings Based On Amine Plasma Polymer Films Loaded With Silver Nanoparticles
4:20 – 4:40	Rizzi, Simone Rizzi, Simone Biomimetic Hydrogels For Tissue Regeneration	Liu, Xiao Electrical Stimulation Promotes Pc12 Cell Differentiation On Polypyrrole Films
4:40 – 5:00	Miao, Simon X Poly(Lactic-Co-Glycolic Acid) (Plga) Coated Porous Bioactive Glass-Ceramics Integrated With Scaffolds Of Plga Microspheres For Osteochondral Tissue Engineering	Waterhouse, Anna Tropoelastin Coated Biomaterials

5:00 – 5:20	Reichert, Johannes Phenotypical And Functional Characterisation Of Ovine Mpc And Osteoblasts	Green, Rylie Challenges In Developing Bioactive Conducting Polymers For Neural Interfaces
5:20 - 5:40	Quent, Verena Discrepancies Between Metabolic Activity And Dan Assays In Investigating Cell Proliferation	Mahida, RM Controlled Surface Modification Of Electospun Nano/Micro-Fibrous Scaffolds Via Photo-Chemical Treatment For Tissue Engineering Applications
5:40 - 6:00	Jejurikar, Aparna Possible Role Of Novel Alginate Hydrogel Based Biomaterials For Articular Cartilage Repair	Luk, Jing Zhong Amine Functionalisation Of Phbv For Tissue Engineering Applications
7:00 - 9:00	Welcome BBQ	Crowne Plaza, Pool Terrace
9:00 - Late	Student Drinks	Oceans Bar

Thursday 22 January 2009		
Plenary Session	Chair: Professor K Mohandas Mathews Theatre B	
8:30 - 9:10	Plenary 4: Campbell, Julie The Peritoneal Cavity As A Bioreactor For Tissue Engineered Arteries And Other Hollow Smooth Muscle Organs	
9:15 - 10:30	Parallel sessions 5	Parallel sessions 6
	Animal Models Mathews Theatre B Chair: Dr Jorge Garcia	Tissue Engineering Mathews Theatre C Chairs: A.Prof Katti and Dr Tim Woodfield
9:15	Edwards, Glenn Choosing An Animal Model For Testing Tissue Engineered Devices – Is Near Enough, Good Enough?	Kumar, Krishna Finite Elements In Understanding Cardiac Mechanics
9:40	Umashankar, Payanam A Porcine Orthotopic Implantation Model To Evaluate Mechanical Heart Valve	Upton, Zee Translation Of A Novel Vitronectin:Growth Factor Complex To Clinical Trial As A Wound Therapy
10:05		Deb, Kaushik A Novel Suspension Culture System For Human Embryonic Stem Cells Using Cell Mimetic Membranes
10:30	Morning Tea Pavilion	
10:50	Parallel sessions 7	Parallel sessions 8
	Delivery Mathews Theatre B Chairs: Dr Penny Martens and Professor Kundu	Self Assembly Mathews Theatre C Chairs: Dr Bhuvaneshwar and Dr Jerome Werkmeister
10:50		Kundu, Subhas Self Assembled Silk Sericin/Ploxamer Nanoparticles As Nanocarriers Of Hydrophobic And Hydrophilic Drugs For Targetted Delivery
11:15	Rekha, MR Pullulan Based Vectors For Liver Targeted Gene Delivery: Blood Compatibility And Transfection Efficiency	Lele, Ashish Mechanistic Insights Into The Gelation Of Regenerated Silk Fibroin Solutions
11:40	Praveenkumar, Gideon Design Of A Novel Percutaneous Aortic Valve Stent	George, Peter Self Assembly Of Polyethylene Oxide Block Copolymers To Generate Bio And Protein Adhesion Resistant Surfaces In 2 And 3-Dimensions
12:00	Lou, Xia Controlled Delivery Of Prednisolone Derivatives Using Temperature Sensitive Hydrogel Polymers	Williams, Richard Enzyme Assisted Self-Assembly
12:20	Dass, Crispin Chitosan-Based Hydrogel And Nanoparticulate Systems For Cancer Chemo-Gene-Therapy	Kingshott, Peter Novel Protein Patterning Techniques Based On Self-Assembly Of Highly Ordered Polymer Colloids
12:30-3:30	Lunch and Poster Session Pavilion	
3:30-5:35	Parallel sessions 9	Parallel sessions 10
	Composite Biomaterials Mathews Theatre B Chairs: A.Professor Banerjee and Professor Bruce Millthorpe	Scaffolds and Stem Cells Mathews Theatre C Chairs: Professor Justin Cooper-White and Dr Rekha

3:30	Kumar, Sampath Biocomposite Nanofibers For Engineering Bone Tissues	Katti, Dhirendra Synthesis Of Nanofibers With Controlled Orientation
3:55	Ramaswamy, Yogambha Bioactive Sphene Ceramics As Potential Material For Orthopaedic Coating Applications: In Vitro And In Vivo Evaluation	Vaquette, Cedryck Thick Multilayered Electrospun Scaffolds
4:15	Boughton, Elisabeth Novel Bioactive Glass Compositions For Soft Tissue Repair	Sidhu, Kuldip Encapsulation Of Human Embryonic Stem Cells As A 3D Model For Studying Their Propagation And Differentiation
4:35	Kirkland, Nicholas A Manufacturing Route For Cellular Magnesium With Ordered Architecture Aimed At Orthopaedic Applications	Mujaj, SA The Isolation And Expansion Of Human Fibroblasts And Keratinocytes In Xenobiotic-Free Conditions
4:55	Waterman, Jay Biomimetic Calcium Phosphate Coatings For Improved Magnesium Metal Based Orthopaedic Implants	Nigro, Julie Extracted Bovine Endosteal Particles: A Biomaterial For Culturing Human Bone Marrow Stromal Stem Cells
5:15	Edwards, Sharon Multiwalled Carbon Nanotube Tubular Scaffolds For Tissue Engineering	Stroebel, Simon Physiological Oxygen Levels Can Enhance The Chondrogenic Re-Differentiation Of Human Chondrocytes In 3D Constructs Cultured Under Perfusion
7:00 - 10:00	Conference Dinner Beach Palace Hotel, Aquarium Room	

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Friday 23 January 2009	
8:30	Arrival Coffee Pavilion
9:00	ASBTE Annual General Meeting Mathews Theatre B
Plenary Session	Chair: Dr Keith McLean Mathews Theatre B
10:00	Plenary 5: Textor, Marcus Bioinspired Surface Modification And Characterisation For Application In The Biosciences
10:45	Morning Tea Pavilion
11:00	Parallel sessions 11
	Bioreactors and IP Mathews Theatre B Chairs: A.Professor McArthur and Dr Yin Xiao
11:00	Doran, Michael Microbioreactor For High Density Cell Culture
	Parallel sessions 12
	Hydrogels and Bioelastomers Mathews Theatre C Chairs: Dr Thilak Gunatillake and Dr Edeline Wentrup-Byrne
11:00	Djordjevic, Ivan Elastomeric Citrate/Sebacate Polyester Biomaterials With Controllable Compositional And Surface Properties
11:20	Hutmacher, Dietmar Development Of A 3D Culture System To Study The Skeletal Metastatic Process Of Prostate Cancer (Cap)
11:40	Nordon, Robert Membrane Culture System For Manufacture Of Cells For Transplantation: From Lab To Clinic
12:00	Grab, Alyssa Chan, Grace Practical Patenting Strategies For Medical Technologies
12:30	Lunch and Presentation of Awards Pavilion
1:30	Parallel sessions 13
	Biomaterial Surfaces Mathews Theatre B Chairs: Professor Peter Kingshott and Dr Lisbeth Grondahl
1:30	Xiao, Yin Expression Of Extracellular Matrix And Adhesion Molecule Genes In Initial Attachment Of Human Bone Marrow Stromal Cells On Modified Poly(L-Lactide) Surfaces
	Parallel sessions 14
	Scaffolds Mathews Theatre C Chairs: A.Prof. Sunil Kumar and Ms. Veronica Glattauer
1:55	Thissen, Helmut Advanced Coatings For The Control Of Cell-Surface Interactions
2:20	Sally, McArthur Surface Modification Of Microfluidics For Protein Assays And Separation
2:45 - 3:00	Closing address Mathews Theatre B