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	**Biorectors 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/Poloxamer 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**	**Parallel sessions 12**
	Bioreactors and IP **Mathews Theatre B** **Chairs:** A.Professor McArthur and Dr Yin Xiao	**Hydrogels and Bioelastomers** **Mathews Theatre C** **Chairs:** Dr Thilak Gunatillake and Dr Edeline Wentrup-Byrne
11:00	**Doran,** Michael Microbioreactor For High Density Cell Culture	**Djordjevic,** Ivan Elastomeric Citrate/Sebacate Polyester Biomaterials With Contollable Compositional And Surface Properties
11:20	**Hutmacher,** Dietmar Development Of A 3D Culture System To Study The Skeletal Metastatic Process Of Prostate Cancer (Cap)	**Cole,** Martin Thermosensitive Switching Of Poly(N-Isopropylacrylamide) Coatings: Control Over Surface-Biomolecule Interaction
11:40	**Nordon,** Robert Membrane Culture System For Manufacture Of Cells For Transplantation: From Lab To Clinic	**Martens,** Penny Biosynthetic Silk-Hydrogels Composites
12:00	**Grabb,** Alyssa **Chan,** Grace Practical Patenting Strategies For Medical Technologies	
12:30	Lunch and Presentation of Awards **Pavilion**	
1:30	**Parallel sessions 13**	**Parallel sessions 14**
	Biomaterial Surfaces **Mathews Theatre B** **Chairs:** Professor Peter Kingshott and Dr Lisbeth Grondahl	**Scaffolds** **Mathews Theatre C** **Chairs:** A.Prof. Sunil Kumar and Ms. Veronica Glattauer
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	**Voelcker,** Nico Porous Silicon As A Biodegradable Biomaterial
1:55	**Thissen,** Helmut Advanced Coatings For The Control Of Cell-Surface Interactions	**Dargaville,** Tim The Role Of Silicones In Scar Remediation
2:20	**Sally,** McArthur Surface Modification Of Microfluidics For Protein Assays And Separation	**Cooper-White,** Justin Directing Osteogenic & Myogenic Differentiation Of Human Bmmscs: Interplay Of Stiffness & Adhesive Ligand Presentation
2:45 - 3:00	Closing address **Mathews Theatre B**	