

Tissue Engineering Today, Not Tomorrow

17th November, 2006

- 09:00 – 09:30 **Registration – tea/coffee and biscuits**
- 09:30 – 09:40 **Introduction by the Chair - Professor Anne Dickinson**, University of Newcastle
- 09:40 – 10:10 **Stem Cells and Regenerative Medicine.**
Dame Julia Polak - Imperial College, London, UK
- 10:10 – 10:30 **Harnessing immunological tolerance in the pursuit of stem cell therapies**
Dr Paul Fairchild - University of Oxford, Sir William Dunn School of Pathology, UK
- 10:30 – 10:50 **Stem cells and mechanical force**
Dr Catherine Sarraf, Tissue Engineering Centre, Westminster University, UK
- 10:50 – 11:10 **Stem cells in Tissue Engineering**
Mrs Susan Donath – Miltenyi Biotec, Germany.
- 11:10 - 11:40 **Mid-morning break: tea/coffee**
- 11:40 – 12:00 **Injectable materials as stem cell delivery systems**
Professor Kevin Shakesheff, - University of Nottingham, UK
- 12:00 – 12:20 **Comparison Of Immunomodulation By Human Stem Cells From Amnion And Adipose Tissue**
Dr S. Wolbank, Red Cross Transfusion Center for Upper Austria, Austria
- 12:20 – 12:40 **Electrospinning of fibrinogen nanofibres**
T. Morton, Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Vienna, Austria.
- 12:40 – 13:00 **Discussion**
- 13:00 – 14:00 **Lunch**
- 14:00 - 14:20 **Scaffold screening in engineered meniscal cartilage using MRI and MRS**
Dr. Andre Neves - University of Cambridge, UK
- 14:20 – 14:40 **Functional analysis of the genome for the identification of novel stem cell regulatory factors.**
Professor Farzin Farzaneh, Kings College London, UK
- 14:40 – 15:00 **Towards Myocardial Infarction Therapy: A New Inducible Angiogenesis Carrier For Cradiomyocytes Transplantation**
Dr Hossein Hosseinkhani, International Center for Young Scientists, National Institute for Materials Science, Tsukuba, JAPAN
- 15:00 – 15:30 **Afternoon Tea**
- 15:30 – 15:50 **Updates on biodegradable materials for tissue repair & regeneration**
Prof. Nureddin Ashammakhi, Institute of Science and Technology in Medicine, Keele University & Robert Jones and Agnes Hunt Orthopaedic Hospital, Shropshire, UK
- 15:50 – 16:10 **Stem cell isolation and testing for immunomodulation/alloreactivity.**
Dr Xiao Nong-Wang, University of Newcastle, UK
- 16:10 – 16:30 **Ocular Surface Restoration By Ex Vivo Cultivated Limbal Epithelium On Amniotic Membrane.**
Dr Marta Calatayud, Department of Ophthalmology. Cornea and Ocular Surface Unit. Vall d'Hebron Hospitals. Barcelona, Spain
- 16:30 – 16:50 **Development of scaffolds and bioreactors for clinical scale tissue engineering**
Prof. Julian Chaudhuri - University of Bath, UK
- 16:50 – 17:00 **Discussion & Close**