

Maintaining Stem Cells and the Regulation of Their Differentiation

27 April 2007

The BioPark Hertfordshire, Welwyn Garden City , AL7 3AX

- 09:00 – 09:45 **Registration - Tea/Coffee**
- 09:45 – 10:00 **Introduction by the Chair:**
Dr Stefan Przyborski, School of Biological and Biomedical Science, Durham University, UK
- 10:00 – 10:30 **Development of Enabling Technology to Control Cell Growth and Function *In Vitro***
Dr Stefan Przyborski, School of Biological and Biomedical Science, Durham University, UK
- 10:30 – 11:00 **Development of co-culture system to enhance haematopoietic differentiation by ES cells**
Dr Lesley Forrester, University of Edinburgh, Scotland
- 11:00 – 11:20 **Morning Tea/Coffee and Poster Viewing**
- 11:20 – 11:50 **Effects of the microenvironment on ES cell differentiation**
Dr Anne Bishop, Imperial College, London, UK
- 11:50 – 12:10 **The maintenance of high levels of glycolysis by mesenchymal stem cells cultured under normoxic conditions**
Mr Girish Pattappa, Queen Mary University of London, UK
- 12:10 – 12:40 **Mice made deaf using noise and kanamycin recovered their hearing after human cord Blood stem cells transplantation**
R. P. Revoltella, Institute of Biomedical Technologies, C.N.R., Pisa, Italy
- 12:40 – 13:00 **Tour of the BioPark**
- 13:10 – 14:00 **Lunch and Poster Viewing**
- 14:00 – 14:30 **BD Matrigel™ - An Ideal Surface for Maintaining Human Embryonic Stem Cells**
Dr Peter Weiser, European Product Manager, BD Biosciences
- 14:30 – 15:00 **Effect of culture temperature on mesenchymal stem cell viability and potency**
A.M.Scutt, University of Sheffield, UK
- 15:00 – 15:30 **Astrocyte signals influence adult stem cell potential.**
Siddharthan Chandran, University of Cambridge, UK
- 15:30 – 16:00 **Afternoon Tea/Coffee and Last Poster Viewing**
- 16:00 – 16:30 **Inhibition of neuritogenesis by adult neuroprogenitors grown on MAG-coated substrates**
Carla Mellough, Durham University, UK
- 16:30 – 17:00 **The Power of Guava Technologies**
Dr Paul Wheeler, Guava Technologies, UK
- 17:00 – 17:15 **Chairman's summing up & close.**