

Stem Cells and Bioinformatics

21 & 22.09.2009

Monday September 21st

13:00–14:00

Coffee and Registration

14:00–15:30

Opening Keynotes

Welcome from ICSCN Secretariat

Georg Fuellen - Rostock, Germany

“What Bioinformatics can do for the experimentalist”

Michael West – Bio Time Inc, California

“Mapping the Human Embryome”

15:30–16:00

Coffee and Networking

16:00–17:30

What Makes a Stem Cell?

Keynote: Miguel Andrade - Max Delbruck Centre, Berlin

“The StemBase database”

Emanuel Nazareth—Institute of Biomaterials & Biomedical Engineering, Canada

“Micropattern-based screening and systems-level modeling of human embryonic stem cell fate regulators”

Michael Rossbach—University of Bonn, Germany

“ncRNAs are key regulators in stem cells – what’s regulated in “gene regulation”? ”

17:30–19:30

Poster session, Exhibition and Drinks reception

18:00–18:30—Demonstration from EMBL - European Bioinformatics Institute.

“Using EMBL-EBI resources to explore stem cell data”

19:00—Tour of Our Dynamic Earth

Tuesday September 22nd

09:00–09:30

Coffee and Registration

09:30–11:00

Understanding Pluripotency

Keynote: Marcos J Arauzo-Bravo - Max Planck Institute, Germany

“Towards modelling of the reprogramming process”

Michael O'Connor—Terry Fox Laboratory, Canada
“Concurrent bioinformatic and biological investigations of gene expression datasets reveals novel genes that maintain human pluripotent stem cells”

Richard Gibbs—Marks and Clerk
“IP issues in Stem Cells and Bioinformatics”

11:00—11:30

Coffee and Networking

11:30—13:00

Understanding Differentiation

Keynote: Yen Choo—Plasticell Ltd, London
“Novel technologies for tracking differentiation”

Pedro Coutinho & Sofia Pavlou—MRC Human Genetics Unit, Edinburgh
“Characterisation of Sox2 Modulators in Vertebrate Development”

Charles Yoon—Institute of Biomaterials and Biomedical Engineering , Canada
“Delineating the Cardio-Myogenic Hierarchy during mouse embryonic development”

13:00—14:00

Lunch and Networking

14:00—15:30

Bioinformatics in Action

Simon Tomlinson – Institute for Stem Cell Research, Edinburgh
“Gene Expression Analysis of Stem Cell Populations: Challenges, Pitfalls and Potential”

Robin Hallet—McMaster University, Canada
“Use of Gene Expression Profiling and Connectivity Mapping to Discover Agents Which Target Breast Cancer Stem Cells.”

Simon Harding—MRC Human Genetics Unit, Edinburgh
“GUDMAP – An online genitourinary resource”

15:30—16:00

Coffee and Networking

16:00—16:45

Predictive Modelling

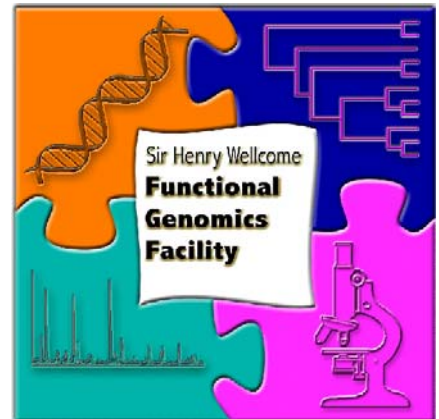
Prof Sir Ian Wilmut (MRC CRM, Edinburgh)
“Re-programmed pluripotent cells in disease modeling”

16:45—17:30

Wrap Up Session

Dr Bill Stanford—University of Toronto, Canada
“Transcriptional network analysis reveals novel regulators of stem cells and disease”

Exhibitors:



YOUR LOGO

For exhibit opportunities,
Contact jenna@sscn.co.uk or
0131 527 3442