

UKNSCN Inaugural Annual Meeting

9th/10th/11th April, 2008 at the Edinburgh Conference Centre, Heriot-Watt University

Programme

Wednesday 9th April

- 12.00 Registration and Exhibition/Poster Set Up with Coffee & Biscuits
- 13.55 Welcome by Lord Patel, Chairman UKNSCN Steering Committee
- 14.00 Session I (Pluripotent stem cells)
- Chair: Roger Pedersen, UKNSCN**
- Ludovic Vallier (Cambridge) - *Mechanisms controlling cell fate specification of embryonic pluripotent stem cells*
- Chris Ward (Manchester)
- Single cell suspension culture of embryonic stem cells using a low-shear batch bioprocess*
- Chris Denning (Nottingham)
- Cardiovascular cells from human embryonic stem cells*
- Karim Nayernia (Newcastle)
- Pluripotency of germ cells*
- 15.30 Coffee
- 15.50 Parallel Network Meetings
- 17.10 Introduction to Memorial Lecture by Lord Patel
- 17.15 **The Dame Anne McLaren Memorial Lecture** – Christine Mummery, Netherlands
Human embryonic stem cells at ethical and scientific crossroads
- 18.00 **Legislation, funding and coordination in Australian stem cell research**
– David de Kretser (Governor, Victoria State, Australia)
- 18.20 Drinks Reception and Formal Poster Session I
- 19.00 Dinner (Self-service)

Thursday 10th April

- 9.00 Welcome
- 9.05 Session II (Techniques & Technology)
- Chair: Chris Mason, UKNSCN**
- Josh Brickman (Edinburgh)
- Anterior definitive endoderm from ES cells reveals a novel role for FGF signalling*
- Laura O'Neill (Birmingham)
- CChIP technology to examine epigenetic marks within the early embryo*

Stefan Przyborski (Durham)

Development of technology to enhance the growth and differentiation of stem cells in vitro

Mike Modo (London)

Using engineered scaffold particles to improve the stem cell-mediated repair of the stroke-damaged brain

10.45 Coffee

11.15 Session III (Social and Political Science)

Chair: Andrew Webster, York

Lena Eriksson (York)

Quality assured science: the role of standard in stem cell research

Sarah Parry (Edinburgh)

Talking about stem cell research: findings from a public engagement project

Christine Hauskeller/Jean Harrington (Exeter)

Knowledge criteria in the stem cell laboratory

12.30 Lunch and Formal Poster Session II

14.00 Session IV (Adult Stem Cells)

Chair: Jon Frampton, UKNSCN

Bertie Göttgens (Cambridge)

Transcriptional control of blood stem cells

Alan Clarke (Cardiff)

Conditional analysis of the crypt-villus homeostasis: implications for stem cell fate and tumourigenesis

Karen Piper Hanley (Southampton)

GLP-1 signalling during human pancreas development provides insight into novel therapies for Type-1 diabetes

Cay Kielty (Manchester)

Mesenchymal stem cell regulation by PDGF receptors

15.40 Tea

16.10 Workshops (IP/GMP/etc)

18.45 Buses to Off-site Location

20.00 Conference Banquet (with concluding remarks from Sir Martin Evans)

Friday 11th April

9.15 Session V (Regenerative Medicine & Tissue Engineering I)

Chair: Julia Polak, UKNSCN

Paul Sharpe (London)

Dental stem cells, tooth regeneration and repair

- Stuart Forbes (Edinburgh)
The liver is a great regenerative organ – does it need regenerative medicine?
- Paul Fairchild (Oxford)
Acquired immune privilege of tissues derived from embryonic stem cells
- 10.30 Coffee
- 11.00 **Keynote Presentation – Dr Willy Lensch, Children’s Hospital Boston, USA**
The cycle of pluripotency
- 11.45 Session VI (UKNSCN General Debate)
- 12.30 Lunch and Formal Poster Session III
- 13.45 Session VII (Regenerative Medicine & Tissue Engineering II)
- Chair: Hugh Ilyine, UKNSCN**
- Athanasios Mantalaris (London)
Integrated bioprocessing of embryonic stem cells: applications in bone, cartilage, and lung tissue engineering
- Charlie Archer (Cardiff)
Stem cells from articular cartilage - tools for cartilage repair?
- 14.35 Session VIII (Cancer stem cells)
- Chair: Sir Martin Evans, UKNSCN**
- Jo Mountford (Glasgow)
“The drugs don’t work” – kinase inhibitor-insensitive cancer stem cells in chronic myeloid leukaemia
- Silvia Marino (QMUL)
Neural stem cells, tumour stem cells and brain tumours: dangerous relationships?
- Rob Clarke (Manchester)
Regulation of breast cancer stem-like cells
- Anne Collins (York)
Evidence for a stem cell hierarchy in prostate cancer
- 16.15 Tea and Close of Meeting