

UKNSCN Second Annual Science Meeting

6-8th April 2009 at the Examination Schools, University of Oxford

Programme

Sunday 5th April

15.00 – 20.00 Exhibitor Set Up in North and East Schools

Monday 6th April

07.30 Registration and Poster Set Up

11.15 Lunch in North and East Schools ([Poster/Exhibits Session I/Lung Workshop](#))

12.25 Welcome by Lord Patel, Chairman UKNSCN Steering Committee

12.30 Session I (Adult Stem Cells)

Chair: Roger Patient, Oxford

[\[12.30\]](#) Maeve Caldwell, Bristol

Stem cell therapy for Parkinson's disease

[\[12.55\]](#) Marcelo Rivolta, Sheffield

Human auditory stem cells: developing the tools for a stem cell-based therapy for deafness

[\[13.20\]](#) Doug Winton, Cambridge

Defining intestinal stem cells by function, not fate

[\[13.45\]](#) Georgina Ellison, Liverpool

A lesson from the heart: cardiac stem cells in adult myocardial homeostasis and regeneration

[\[14.10\]](#) ***Selected Poster Abstract Presentation***

14.20 Coffee/Tea

14.50 Session 2 (Embryonic Stem Cells, iPS Cells and Reprogramming)

Chair: Austin Smith, Cambridge

[\[14.50\]](#) Bill Skarnes, Sanger Institute ([Special Technology Seminar](#))

High throughput gene targeting in the mouse: a post-genomic approach

[\[15.35\]](#) Jose Silva, Cambridge

Nanog – the gateway to the pluripotent state

[\[16.00\]](#) Ian Chambers, Edinburgh

Transcription factor control of pluripotent cell identity

[\[16.25\]](#) Justin St John, Warwick

Regulating the mitochondrial DNA content of interspecies somatic cell nuclear transfer embryos

[\[16.50\]](#) Lorraine Young, Nottingham

Switching human pluripotent genes on and off

[17.15]

Selected Poster Abstract Presentation

17.25

Introduction to Memorial Lecture by Sir Martin Evans FRS

17.30

The Dame Anne McLaren Memorial Lecture – Janet Rossant, Hospital for Sick Children, University of Toronto

Stem cells and lineage development in the early embryo

18.15

Drinks Reception (**Poster/Exhibits Session II**)

19.30

Dinner (private arrangement)

Tuesday 7th April

07.30

Meet the Experts Breakfast – 25 places in each of 5 groups led by:
Austin Smith (Cambridge), Tariq Enver (Oxford), Alan Clarke (Cardiff), Richard Oreffo (Southampton), Paul Kemp (Intercytex Group plc)

08.25

Welcome by New Chairman, UKNSCN Steering Committee

08.30

Session III (Cancer Stem Cells)

Chair: Ian Mackenzie, QMUL

[08.30]

Brian Huntly, Cambridge

Common self-renewal pathways contribute to the evolution of leukaemias

[08.55]

Malcolm Alison, Bart's and the London

Candidates for cancer stem cells in the digestive system

[09.20]

Carrie Ambler, Durham

Notch signalling in epidermal stem cells: tumour suppressor and promoter of differentiation

[09.45]

Matthew Smalley, ICR London

Cancer stem cells or tumour-initiating cells? - an evolving question

[10.10]

Selected Poster Abstract Presentation

10.20

Coffee/Tea

10.50

Session IV (Tissue Engineering and Regenerative Medicine)

Chair: Anthony Hollander, Bristol

[10.50]

Keynote 1: Robert Nerem, Georgia Tech, USA

Stem cell technology: from basic biology to cellular therapies

[11.30]

Pete Coffey, UCL

Stemming vision loss using human embryonic stem cells

[11.52]

Alicia el Haj, Keele

Stem cells in their dynamic environment – implications for therapy

[12.15]

Wael Kafienah, Bristol

Cartilage tissue engineering using stem cells

[12.37]

Lee Buttery, Nottingham

Engineering stem cell differentiation

[13.00]

Selected Poster Abstract Presentation

13.10

Lunch in North and East Schools (**Poster/Exhibits Session III/Engineering Workshop**)

14.10

Parallel Workshops

A: Immunology [Room 7]

Organisers: Paul Fairchild (Oxford) and Anthony Hollander (Bristol)

B: Embryonic Stem Cells (incorporating hESC Forum) [Room 11]

Organisers: Peter Andrews (Sheffield) and Stephen Minger (KCL)

C: Mesenchymal Stem Cells [Room 9]

Organisers: Paul Genever (York), Cay Kielty (Manchester) and Richard Oreffo (Southampton)

16.50

Coffee/Tea and **Poster/Exhibits Session IV**

19.15

Pre-dinner Drinks at St Hilda's College

20.00

Conference Dinner at St Hilda's College

After-dinner Speaker: Professor Sir Richard Gardner FRS

Wednesday 8th April

09.00

Parallel Workshops

D: Translation and Commercialisation [Room 11]

Organisers: Julia Polak (Imperial) and Chris Mason (UCL)

E: Haematopoietic Stem Cells [Room 9]

Organisers: Bertie Göttgens (Cambridge) and Alexander Medvinsky (Edinburgh)

F: Cardiac Regeneration [Room 7]

Organisers: Sian Harding (Imperial) and Chris Denning (Nottingham)

11.40

Lunch in North and East Schools (**Poster/Exhibits Session V**)

12.40

Introduction to Keynote Speaker by Dame Julia Polak

12.45

Keynote 2: Joseph Vacanti, Harvard Medical School

Confluence of stem cell technologies and tissue engineering

13.30

Session V (Ethics and Social Science)

Chair: Brian Salter, King's College London

[13.30]

Julian Savulescu, Oxford

The ethics of creating admixed embryos as a source of stem cells

- [13.50] Julie Kent, University of the West of England (UWE)
“Strict but permissive”: an institutional analysis of ethics and governance of stem cell science in the UK
- [14.10] Margaret Sleeboom-Faulkner, Sussex
Regulatory dilemmas in Japanese stem cell research – a case study
- 14.30 Coffee/Tea and **Poster/Exhibits Session VI**
- 15.00 Session VI (Stem Cell Niches and Signalling)
Chair: Tony Whetton, Manchester
- [15.00] Melanie Welham, Bath
Unravelling the signalling pathways regulating embryonic stem cell fate
- [15.25] Julie Daniels, Moorfields Eye Hospital
Pax-6 regulation of the corneal limbal stem cell niche
- [15.50] Charles French-Constant, Edinburgh
Regulation of neural stem cells by extracellular matrix
- [16.15] Lyle Armstrong, Newcastle
Deriving germ cells from embryonic stem cells
- [16.40] **Selected Poster Abstract Presentation**
- 16.50 Close of Meeting