



KIDSTEM International Conference
29th – 31st July, 2009

STEM CELLS IN RENAL DEVELOPMENT, REPAIR & REGENERATION

POLLOCK HALLS
UNIVERSITY OF EDINBURGH

DAY ONE – Wednesday 29th JULY, 2009

- 09.00 – 12.00: Registration & Poster set-up
- 12.00 – 12.45: Lunch
- 12.45 – 13.00: Welcome – Jamie Davies
- Session I:** Transporters in kidney development and regeneration
Chair: Rosalinde Masereeuw
- 13.00 – 14.00: **Plenary:** Xenobiotic transporters in kidney regeneration
Rosalinde Masereeuw, The Netherlands
- 14.00 – 14.45: **Seminar:** Solute Carrier Expression and Function During Renal Organogenesis
Doug H. Sweet, USA
- 14.45 – 15.30: **Seminar:** Functional characterisation of transport proteins in human proximal tubule cells
Colin D.A. Brown, UK
- 15.30 – 16.00: **Coffee Break**
- 16.00 – 16.45: **Seminar:** Developmental programming of renal sodium transporters
Nick Ashton, UK
- Selected Talks from Abstracts**
- 16.45 – 17.15: Bone marrow derived cells reduce progression of renal failure in rats with chronic kidney
Arianne van Koppen, The Netherlands
- 17.15 – 17.45: The role of the mTOR signalling cascade for renal differentiation of human amniotic fluid stem cells
Nicol Siegel, Austria

FREE EVENING IN EDINBURGH

DAY TWO – Thursday 30th July, 2009

- Session II: Stem Cells in kidney development and regeneration
Chair: Richard Poulsom
- 08.30 – 09.30: **Plenary:** Mesenchymal stem cells: Benefits and risks
Ute Kunter, Germany
- 09.30 – 10.15: **Seminar:** The plasticity of germinal progenitors and stem cells
Pierre Fouchet, France
- 10.15 – 10.45: **Coffee Break**
- 10.45 – 11.30: **Seminar:** Progenitors and mesenchymal stem cells of the human
kidney
Benedetta Bussolati, Italy
- 11.30 – 12.15: **Seminar:** Tracing Cell Lineages in Human Epithelial Tissues
Malcolm Alison, UK
- Selected Talk from Abstract**
- 12.15 – 12.45: Novel approaches to improve renal migration and engraftment
efficiency of Mesenchymal stem cells in acutely injured kidney.
Christos Xinaris, Italy
- 12.45 – 13.30: **Lunch**

DAY TWO – Thursday 30th July, 2009

- Session III: Tools for kidney development and regeneration
Chair: Jamie Davies
- 13.30 – 14.30: **Plenary:** Regenerative medicine, conditions to assist the emergence
of an industry
David Williams, UK
- 14.30 – 15.15: **Seminar:** The GUDMAP project: an online resource for the
genitourinary research community
Chris Armit, UK
- 15.15 – 15.45: **Coffee**
- 15.45 – 16.30: **Seminar:** The GUDMAP project-- Extending knowledge of kidney
development and disease by high-resolution genomics analyses of
transcriptome dynamics
Bruce Aronow, USA
- 16.30 – 17.30: **Seminar:** Tools to mess up kidney development...
Peter Hohenstein, UK
- 17.30 – 19.00: **Posters & Trade Stands**
- 19.30 – late: **Conference dinner with entertainment/late bar**

DAY THREE – Friday 31st July, 2009

Session IV: Tissue engineering in kidney development and regeneration

Chair: Patricia Murray

08.30 – 09.30: **Plenary:** Genes which control morphogenesis and functional maturation of the mammalian ureter

Adrian S. Woolf, UK

(Lecture Sponsored by Tengion Inc, USA.)

09.30 – 10.15: **Seminar:** Coordinating embryonic stem cell differentiation

Sally Lowell, UK

10.15 – 11.00: **Seminar:** Nanoengineered plasma polymer films for biomaterial applications

Krasi Vasilev, Australia

11.00 – 11.30: **Coffee & Trade Stands**

11.30 – 12.15: **Seminar:** Advanced jet-based approaches for tissue engineering and regenerative biology/medicine

Suwan N. Jayasinghe, UK

Selected Talks from Abstracts

12.15 – 12.45: Coculture with murine podocytes induces neotranscription of podocyte markers in human Mesenchymal stromal cells.

Jan Ulrich Becker, Germany

12.45 – 13.15: Mesoderm derived from mouse embryonic stem cells display nephrogenic potential

Sandra Rak-Raszewska, UK

End of Conference

13.15: **Lunch / KIDSTEM Coordinators meetings**

14.00 **MEETING FOR KIDSTEM TRAINEES ONLY**

Organising Committee: Jamie Davies, Patricia Murray, Louise Cooper, David Edgar, Simon Kenny, Giovanni Camussi, Benedetta Bussolati, Carsten Werner, Markus Hengstschlager, Giuseppe Remuzzi, Marina Morigi

www.kidstemconference.co.uk