



## **UK/TEXAS SYMPOSIUM**

### ***TISSUE ENGINEERING AND REGENERATIVE MEDICINE***

**29<sup>TH</sup> and 30<sup>TH</sup> MARCH 2004**

***LECTURE THEATRE G16  
SIR ALEXANDER FLEMING BUILDING  
IMPERIAL COLLEGE LONDON***

**HOSTED BY PROFESSOR DAME JULIA POLAK  
Tissue Engineering and Regenerative Medicine Centre  
Imperial College London**

**MONDAY 29<sup>TH</sup> MARCH 2004**



**08.45 – 09.15 Coffee and Registration**

**Moderator: Professor Tim Hardingham University of Manchester**

<b>09:15 – 09:25</b>	<b>Welcome</b>	Sir Richard Sykes, FRS Rector of Imperial College London
<b>9.25 – 9.40</b>	<b>Opening Remarks</b>	Lord Sainsbury of Turville Minister for Science and Innovation
<b>09:40 – 09:50</b>	<b>Introduction to the Symposium</b>	Professor Dame Julia Polak (Imperial College) Professor James Willerson (UTHSC - Houston) Professor Timothy Hardingham (Manchester)
<b>09.50 – 10.20</b>	<b>Tissues Regeneration – - An Introduction</b>	Professor James Willerson (UTHSC – Houston)
<b>10.20 – 10.50</b>	<b>Stem Cells Into The Clinic</b>	Professor Margaret Goodell (Baylor College of Medicine)
<b>10.50 – 11.20</b>	<b>Coffee</b>	
<b>11.20 – 11.50</b>	<b>Tissue Engineering and Gene Therapy</b>	Professor Giorgio Terenghi (Manchester)
<b>11.50 – 13.00</b>	<b>Break Out Sessions</b>	<b>Each member of the panel presenting a 5 minute overview of their work followed by discussion and Q&amp;A</b>

## **Break Out Panel Sessions Monday 11.50 – 1.00pm**

### **Panel A. Stem Cells to the Clinic**

**Facilitator: Professor Ian C Mackenzie (Queen Mary, London, UK)**

Professor Timothy Hardingham (Manchester, UK)  
Professor Eileen Ingham (Leeds, UK)  
Professor H .Dwight Cavanagh (UT Southwestern)  
Professor Paul Atkinson (Cardiff, UK)  
Professor Austin Cooney (Baylor College of Medicine)  
Professor Peter Andrews (Sheffield, UK)

### **Panel B. Tissue Regeneration – Cardiac and Lung**

**Facilitator: Professor Francesco DeMayo  
(Baylor College of Medicine)**

#### **Cardiac**

Professor Eric Alton (Imperial College)  
Professor Yong-Jian Geng (UTHSC - Houston)  
Professor Stephen Bailey (UTHSC - San Antonio)  
Professor Robert Schwartz (Baylor College of Medicine)

#### **Lung Regeneration**

Dr Anne Bishop (Imperial College)  
Professor Joaquin Cortiella (UTMB, Galveston)  
Professor Joan Nicholls (UTMB, Galveston)

### **Panel C. Bone, Muscle and Cartilage**

**Facilitator: Dr Richard Oreffo (Southampton, UK)**

Professor Dan Martinez (University of Houston)  
Dr Lee Buttery (Imperial College)  
Professor Jackie Duke (UTHSC – Houston)  
Professor Terry Partridge (London, UK)  
Professor Mauli Agrawal (UTHSC - San Antonio)  
Professor Woodring Wright (UT Southwestern)

### **Panel D. Novel Technologies I**

**Facilitator: Professor Gerard Cote (Texas A&M)**

Professor Christopher Tomazou (Imperial College)  
Professor Krish Roy (UT at Austin)  
Professor David Zimmerman (University of Houston)  
Professor Zhanfeng Cui (Oxford, UK)  
Professor James Jester (UT Southwestern)

**1.00 – 2.00**      *LUNCH*

**Moderator Professor Margaret Goodell Baylor College of Medicine**

**2.00 – 2.30**      **Feedback On Morning Sessions**

**2.30 – 3.00**      **Impact of Tissue Engineering on Reconstructive Surgery**      Professor Michael Miller (UT MD Anderson Cancer Center)

**3.00 -3-30**      **The Bone Marrow Controversy ‘The Case for and Against’**      Professor Malcolm Alison (Imperial College)

**3.30 – 4.00**      **Tea**

**4.00 – 5.00**      **Break Out Sessions**

**5.00 – 5.30**      **Feedback of Afternoon Sessions**

**5.45**      *RECEPTION*

## **Break Out Panel Sessions Monday 4.00pm -5.00pm**

### **Panel E. Bone, Muscle and Cartilage**

**Facilitator Professor Kyriacos Athanasiou (Rice University)**

Professor Anthony Hollander (Bristol, UK)

Professor Michael Miller (UT MD Anderson Cancer Center)

Dr. Nichole Bergmann (UT at Austin)

Professor Mary MacDougall(UTHSC- San Antonio)

Professor Charlie Archer (Cardiff, UK)

### **Panel F The Bone Marrow Controversy**

**Facilitator: Professor Martin Korbling (UT MD Anderson Cancer Center)**

Professor Malcolm Alison (Imperial College)

Professor Margaret Goodell (Baylor College of Medicine)

### **Panel G Novel; Technologies II**

**Facilitator: Professor William Hyman (Texas A&M)**

Professor Jeffrey Hartgerink (Rice University)

Professor Adam T Capitano (University of Houston)

Professor Paul French (Imperial College)

Professor Lisa Brannon-Peppas (UT at Austin)

Dr Julian Chaudhuri (Bath, UK)

### **Panel H Neural Regeneration**

**Facilitator: Dr Huseyin Mehmet (Imperial)**

Professor Ping Wu (UTMB, Galveston)

Dr Stephen Minger (Kings College)

Professor Giorgio Terenghi (Manchester, UK)

Professor Steven Kernie (UT Southwestern)



**TUESDAY 30<sup>TH</sup> MARCH 2004**

**08.45 – 09.10 COFFEE**

**Moderator: Professor Charlie Archer, University of Cardiff**

**9.10 Introduction to Day Two: Professor Dame Julia Higgins, FRS. Imperial College**

**9.20 – 9.50 Best Materials for Clinical Applications** Professor Kevin Shakesheff (Nottingham)

**9.50- 10.20 Polymer Therapeutics – The First Nanomedicines** Professor Ruth Duncan (Cardiff)

**10.20 -10.50 Nanotechnology Imaging with Carbon Nanostructures** Professor Lon Wilson (Rice University)

**10.50 Coffee**

**11.00 -12.00 Break Out Sessions**

**12.00 – 12.30 pm Feedback**

## **Break Out Panel Sessions 30 March 11.00-12.00**

### **Panel J. Best Materials for Clinical Applications**

**Facilitator: Professor Kevin Shakesheff (Nottingham,UK)**

Professor Antonios Mikos (Rice University)

Dr Aldo Boccaccini (Imperial College)

Professor Catherine Ambrose (UTHSC - Houston)

Professor Charles Patrick (UT MD Anderson Cancer Center)

Professor Dan Bader (Queen Mary College)

Professor Rena D'Souza (UTHSC – Houston)

### **Panel K. Novel Technologies III**

**Facilitator: Professor David Edwards (Imperial College)**

Professor Larry Hench (Imperial College)

Professor Alicia El Haj (Stoke-on-Trent, UK)

Professor Andreas Holzenberg (Texas A&M)

Professor Anthony Cass (Imperial College)

Professor Alvin Yeh (Texas A&M University)

### **Panel L. Vascular Repair**

**Facilitator: Professor Jennifer West (Rice University)**

Professor Karen Hirschi (Baylor College of Medicine)

Dr Richard A Black (Liverpool, UK)

**12.30 – 1.30            LUNCH**

**Moderator Dr Denis Headon, Director, Texas – United Kingdom Collaborative**

**THE BIOTECHNOLOGY SECTOR:**

**1.30 – 2.30    Company ‘Elevator’ Presentations:**

Mrs Maureen Coleman, Novathera Ltd.  
Dr Timothy E Allsopp, Stem Cell Sciences Ltd.  
Dr Stephen Minger, CereStem Ltd.  
Dr Paul Gerskowitch, Axordia Limited,  
Dr P Kemp, InterCytex Ltd.  
Dr John Sinden, Reneuron Ltd

**2.30 – 3.00            TEA**

**3.00 – 3.40            Company ‘Elevator’ Presentations:**

Dr Edward M Chait, Spectral Genomics, Inc.  
TBA, Kardia Therapeutics  
Professor Chris Potten, Epistem Ltd.  
Dr Chris Mason, Invention  
and Innovation Holder of the NESTA Prize 2003

**3.40                    CONCLUDING REMARKS**

Professor Antonios Mikos  
(Rice University)  
Professor Timothy Hardingham  
(Manchester, UK)