



Interdisciplinary Approaches to Medical Solutions

16th July 2004, 10:00am – 4:30pm
Leeds General Infirmary, Leeds, UK

Convenors: Prof. Peter V. Giannoudis (St James's University Hospital)
Prof. George K. Stylios (Heriot-Watt University)

Provisional Programme

- 10:00 Arrival and coffee
10:20 Welcome Introduction and Rationale
- SESSION 1**
10:30 **Infections in Orthopaedic and Trauma Surgery**
Dr Miles Denton, Consultant Microbiologist, Leeds University Hospitals
10:50 **Nanotechnologies for drug delivery, antibacterial properties, bone assistance, and medical dressings and garments**
Dr Michael Wan, RIFleX, Heriot-Watt University
11:10 Open discussions – 20mins
- SESSION 2**
11:30 **Coverage of soft tissue defects**
Mr Howard Peach, Consultant Plastic Surgeon, Leeds University Hospitals
11:50 **Tissue engineering, cloning of mechanical properties and adopting virtual 3D measurements**
Dr Elsa Ekevall
Prof. George Stylios, Dr Fan Han, RIFleX, Heriot-Watt University
12:10 Open discussions – 20mins
- 12:30 LUNCH and Discussion**
- SESSION 3**
13:30 **Computer assisted surgery in trauma and orthopaedic surgery**
Prof. Peter Giannoudis, Trauma & Orthopaedic Surgery, Leeds University Hospitals
13:45 **KEYNOTE: Advanced robotics systems for MIS and rehabilitation**
Prof. Philippe Bidaud, Robotics Lab of Paris
14:05 Open discussions – 20mins
- SESSION 4**
14:25 **Conditions requiring continuous monitoring in clinical practices**
Dr Steven Smye, Director of Medical Physics, Leeds University Hospitals
14:35 **Wearable micro-sensors for patient monitoring and diagnosis**
Prof. George Stylios, Mr Liang Luo, RIFleX, Heriot-Watt University
14:45 Open discussions – 20mins
- SESSION 5**
15:05 **Common procedures of interventional radiology**
Dr Jai Patel, Consultant Interventional Radiology, Leeds University Hospitals
15:25 **Micro-engineering, interactive flexible materials and heat and light sensitive dyes**
Prof. Bob Reuben, Department of Mechanical and Chemical Engineering, Heriot-Watt University
15:45 Open discussions – 20mins
16:05 Round table, action plan and coffee
16:30 END

Please note that the programme may be subject to change.

Organisers: Research Institute for Flexible Materials (Heriot-Watt University) and Department of Trauma and Orthopaedic Surgery (St James's University Hospital).

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