



NORTHERN IRELAND BIOMEDICAL ENGINEERING SOCIETY

Call for Abstracts

NIBES 2009 Spring Meeting

Date: Wednesday 8th April 2009

Venue: Lanyon Building, Queen's University Belfast.

Invited Speaker:

Professor Fergal O'Brien BA, BAI, PhD (Dubl), CEng, MIEI

Royal College of Surgeons Ireland, 123 St Stephens Green. Dublin 2

'Collagen based Scaffolds for Orthopaedic Regenerative Medicine'

Dr. Michael Tunney BSc, PhD (QUB)

School of Pharmacy, Medical Biology Centre, Queen's University Belfast, BT9 7BL

'Improved Detection and Treatment of Prosthetic Joint Infection'

Prof. Fergal O'Brien carried out his PhD research in the area of bone biomechanics in the Dept. of Anatomy (RCSI) and at the Dept. of Mechanical Engineering (TCD.) He was awarded a Fulbright Scholarship (2001) to carry out research in orthopaedic tissue engineering at Massachusetts Institute of Technology in collaboration with the Harvard Medical School. In 2003 he was appointed Principal Investigator in the Trinity Centre for Bioengineering and is a Lecturer in Biomechanical Engineering (part-time) in the Department of Mechanical Engineering in TCD. He is Subject Editor (Tissue Engineering) for the Journal of the Mechanical Behavior of Biomedical Materials and a former Council Member and Newsletter Editor of the European Society for Engineering and Medicine His current research focuses on two strands (i) bone mechanics and osteoporosis and (ii) tissue engineering and regenerative medicine. He was awarded a Science Foundation Ireland, President of Ireland Young Researcher Award (2004) to set up a laboratory for bone tissue engineering in RCSI. He was promoted to Senior Lecturer (2006) and Associate Professor (2007).

Dr Michael Tunney is a lecturer in Clinical Pharmacy in the School of Pharmacy, Queen's University Belfast. His research interests are centred on clinical pharmacy and pharmaceutical microbiology. His current work focuses on the role of anaerobic bacteria in Cystic Fibrosis pulmonary infection and on the problems associated with biofilm infection in relation to both Cystic Fibrosis pulmonary infection and infection of indwelling implants. Dr Tunney has been awarded (July 2007) a 5 year Department of Health UK National Career Scientist Award to further investigate Cystic Fibrosis pulmonary infection. Other areas of interest include determination of the factors associated with success or failure of meticillin-resistant *Staphylococcus aureus* (MRSA) decolonisation in hospital inpatients and the use of infection control procedures to prevent MRSA transmission amongst nursing home residents.



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Abstract submissions are welcome in the broad area of Biomedical Engineering, including: Biomaterials, Biomechanics, Bioinformatics, Biosensors, Drug Delivery, Dental Materials, Tissue Engineering, Imaging and Bioinstrumentation.

Abstract submissions from undergraduate and postgraduate research students are particularly encouraged. Prize will be awarded for the best student presentations. For further information please contact either:

Dr. Adrian Boyd (UUJ)

(NIBES President)

E-mail: ar.boyd@ulster.ac.uk

Dr. Nicholas Dunne (QUB)

(NIBES Secretary)

Email: n.dunne@qub.ac.uk

Instructions for Authors

Deadline

Abstracts will be accepted until 4.00 pm, Wednesday 25th February 2009. Notification of acceptance will be communicated by Wednesday 4th March 2009. Abstracts will be blindly peer-reviewed by at least two referees

Abstract Content and Format

The NIBES 2009 Abstract template can be downloaded from <http://www.nibes.org.uk>. Please follow the guidelines.

Abstract Submission

Abstracts should be submitted electronically as e-mail attachments (using Microsoft Word 2003) to n.dunne@qub.ac.uk