GLORI 2014

Meeting of the Glasgow Orthopaedic Research Initiative on 28th Jan 2014 at the Southern General Hospital New Laboratories Building.

Programme:

09.15 Coffee

Session 1 – chairs Drs Monica Tsimbouri and Christopher Allan

09.30 Welcome Mr Dominic Meek

09.35 Invited talk - Prof Faisal Ahmed, Samson Gemmell Chair of Child Health at the University of Glasgow and Consultant Endocrinologist at Yorkhill Hospital “Understanding the role of growth hormone in the maintenance of bone health”.

10.05 Invited talk - Prof Manuel Salmeron-Sanchez, Chair of Bioengineering and holder of ERC Personal Research Fellowship, University of Glasgow “Material-driven protein assembly to engineer the cellular microenvironment”.

10.30 Praveen Ramakrishnan, PhD student, Department of Biomedical Engineering, University of Strathclyde “HINS light for patient-safe decontamination during orthopaedic surgery”.

10.40 Dr Laura McNamara, PDRA, Centre for Cell Engineering, University of Glasgow “Switchable surfaces for mesenchymal stem cell growth and differentiation”.

10.50 Dr Donald Hansom, WoS orthopaedic trainee “The affects of nanopatterned surface technology on orthopaedic joint replacement infection”.

11.00 Andy Greer, PhD student, Department of Biomedical Engineering, University of Glasgow “The ultimate precision 3D-nanopatterning process developed for Ti bioimplants”.

11.10 Coffee

Session 2 – chairs Drs Paul Fairhurst and Robert Silverwood

11.40 Invited talk - Prof Gordon Ramage, Head of Biological and Medical Sciences at the Glasgow Dental Hospital “The sticky situation with implant infection: insights into the detection and control of microbial biofilms”.

12.05 Invited talk - Dr Philip Riches, Department of Biomedical Engineering, University of Strathclyde. “Mapping the osteoarthritic mechanical degradation of the human femoral head”.

12.30 Invited talk - Dr Quentin Fogg, Laboratory of Human Anatomy, University of Glasgow “The new anatomy of joints: quantitative and functional”.

12.55 Dr Alistair Brydone Orthopaedic trainee and PhD student, Department of Biomedical Engineering, University of Glasgow “Increased interfacial bone contact using titanium coated nano-patterned implants on rabbit tibiae

13.05 Lunch and posters to close of meeting.

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