GLORI 2012
22\textsuperscript{nd} October 9.30 – 13.30
Southern General Hospital
New Laboratory and Facility Medicine Building Seminar Room and room LO/A/010.

9.00 Registration and coffee

9.20 Welcome by Mr Dominic Meek.

**Session 1 – chairs Peter Young & Habib Nikukar**

9.25 Keynote Talk – Mr Jim Huntley (Yorkhill)
“Orthopaedic research - why be a positive deviant?”

9.55 Jane Hair - GGC Biorepository Report

10.10 Enateri Alakpa on mesenchymal stem cell differentiation in hydrogels
10.20 Megan Austin on effect of indenter velocity on the nanoindentation stiffness of articular cartilage
10.30 April Dunham on 3D printing of artificial bone material
10.40 Jamie Frame on modelling size effects in cortical bone
10.50 Claire Harrison on acetabular cup orientations in total hip arthroplasty

11.00-11.30 coffee break

**Session 2 – chairs Andrew Wilkinson & Enateri Alakpa**

11.30 Keynote Talk - Prof Andrew Hart (Canniesburn)
“Integrating scientific research into a plastic surgery career”

12.00 Olga Posada on Co-Cr wear debris cytotoxicity
12.10 Julie Smith on NavioPFS surgical planning and navigation system for unicompartmental knee arthroplasty
12.20 Affar Karimullah on cell impedance spectroscopy using conducting polymer electrodes
12.30 Laura McNamara on nanopatterned titanium effects on mesenchymal stem cells
12.40 Daniel Morrison on surface modification of PEEK for osseointegration & Alistair Brydone on surface modification of PEEK implants
12.55 Sarah Maclaine on tissue engineering bone graft
13.05 Peter Young on osteoprogenitor/osteoclast co-cultures on nanotopography
13.15 Nadia Sciberras on validation of Orthopilot TKA software

13.25-14.00 LUNCH

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