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Final Program

Subject to change.

Programme Titles Presenters Topics**Session 17 - Biomaterials**

Thursday, 10 December 2015, 09:00-11:00

Ali'i Ballroom

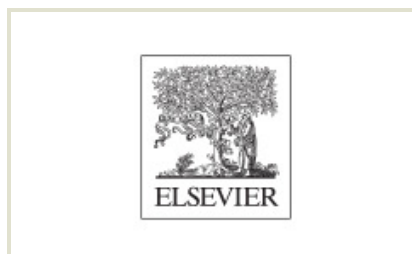
Chair: K. Katti

- 09.00-09:15 [O.103]
Simulation of fatigue in bioprosthetic heart valve biomaterials
M.S. Sacks
University of Texas at Austin, USA
- 09.15-09:30 [O.104]
3D printing approaches to directly measure tissue biomaterial properties and to drive design of novel micro-devices
M.L. Crichton*, M.A.F. Kendall
University of Queensland, Australia
- 09:45-10:00 [O.106]
Templated nanoscale fabrication of tailored, multifunctional, porous materials
A.R. Hamilton*, N.J. Dunne, M. Ziminska, J. Acheson
Queen's University Belfast, UK
- 10:00-10:15 [O.107]
Mechanical properties of porous Ti-Nb-Ta-Zr alloys prepared from elemental powders, in relation to phase balance and porosity levels developed
G. Leadbeater¹, A.W. Nugroho², I.J. Davies¹
¹*Curtin University, Australia*, ²*Muhammadiyah University of Yogyakarta, Indonesia*
- 10:15-10:30 [O.108]
Viscoelastic mechanical optimisation of functionally graded cell-conducting materials for osteochondral implants
A.D. Pattinson, Y. Ryabenkova, C.A. Grant, P.C. Twigg*
University of Bradford, UK
- 10.30-10:45 [O.109]
Use of biocompatible hydrogel beads for the recovery and delivery of antibiotics
K. Ko
Cushing Academy, USA

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