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## Final Program

Subject to change.

**Programme Titles Presenters Topics****Poster Session 3 - Biomaterials****Tuesday, 8 December 2015, 20:30-21:30**

Naupaka V, VI &amp; VII

**[P3.01]**

Apoptotic activity of ginger nanoparticles against dioxin enhanced cancer risks in male rats

W. Khalil<sup>1</sup>, F. Abdu<sup>2</sup><sup>1</sup>National Research Centre, Egypt, <sup>2</sup>King Abdulaziz University, Saudi Arabia**[P3.02]**

Low friction and high strength of Co-Cr alloy and SUS316L tubing by UNSM technique for biomedical applications

A. Amanov<sup>1</sup>, H.D. Kim<sup>1</sup>, S.W. Lee<sup>1</sup>, D.E. Kim<sup>2</sup>, Y.S. Pyun<sup>1</sup><sup>1</sup>Sun Moon University, Republic of Korea, <sup>2</sup>Yonsei University, Republic of Korea**[P3.03]**

Molecular interactions of peptidomimetics to model protein and cell structures as well as to elucidate and modulate pharmacological barriers

C. Staat<sup>1</sup>, S. Dabrowski<sup>1</sup>, H. Wolburg<sup>2</sup>, B. Brodin<sup>3</sup>, M. Campbell<sup>4</sup>, M. Deli<sup>5</sup>, I.E. Blasig<sup>\*1</sup><sup>1</sup>Leibniz-Community, Germany, <sup>2</sup>University Tübingen, Germany, <sup>3</sup>University Copenhagen, Denmark, <sup>4</sup>Trinity College, Ireland, <sup>5</sup>Hungarian Academie of Sciences, Hungary**[P3.04]**

Evidence of cell-induced corrosion in reverse total shoulder implants

N. Bonnheim<sup>\*1</sup>, S. Chou<sup>1</sup>, T. Norris<sup>2</sup>, L. Pruitt<sup>1</sup><sup>1</sup>University of California, USA, <sup>2</sup>San Francisco Shoulder, Elbow & Hand Clinic, USA**[P3.05]**

In vivo fracture of a cobalt chromium femoral stem

H. Gramling<sup>1</sup>, N. Bonnheim<sup>\*1</sup>, M. Ries<sup>2</sup>, S. Shukla<sup>2</sup>, L. Pruitt<sup>1</sup><sup>1</sup>University of California, USA, <sup>2</sup>Tahoe Fracture and Orthopedic Clinic, USA**[P3.06]**

Mechanical characterization of air-impedance electrospun templates

G.E. Schreyack, S.L. Speer, G.L. Bowlin\*

University of Memphis, USA

**[P3.07]**

Mechanics of Morphogenesis in rightward brain torsion of chick embryonic development

Z. Chen<sup>\*1</sup>, Q. Guo<sup>2</sup>, E. Dai<sup>3</sup>, N. Forsch<sup>4</sup>, L. Taber<sup>3</sup><sup>1</sup>Dartmouth College, USA, <sup>2</sup>Fujian Institute of Technology, China, <sup>3</sup>Washington University, USA, <sup>4</sup>University of California, USA**[P3.08]**

The effect of structural composition to material properties of polymorphic hIAPP fibrils

M. Lee, H. Chang, S. Na, H. Choi\*

Korea University, Republic of Korea

**[P3.09]**

Phase stability and selected mechanical properties of quenched Ti-15Zr-based alloys with Mo addition

D.R.N. Correa<sup>\*1,2</sup>, C.R. Grandini<sup>1,2</sup>, L.A.M.S. Rocha<sup>1,2</sup><sup>1</sup>UNESP - São Paulo State University, Brazil, <sup>2</sup>Brazilian Branch of Institute of Biomaterials, Tribocorrosion and Nanomedicine, Brazil**[P3.10]**

Influence of processing conditions on the evolution of beta phase in porous Ti-Nb-Ta-Zr alloys prepared from elemental powder

I.J. Davies<sup>\*1</sup>, A.W. Nugroho<sup>2</sup>, G. Leadbeater<sup>1</sup><sup>1</sup>Curtin University, Australia, <sup>2</sup>Muhammadiyah University of Yogyakarta, Indonesia**[P3.12]**

A comparative study of Hydroxyapatite-based coating techniques: Sol-gel deposition and electrochemical deposition

R.I.M. Asri, W.S.W. Harun\*, K. Kadirgama, M.A. Hassan, S.A.C. Ghani

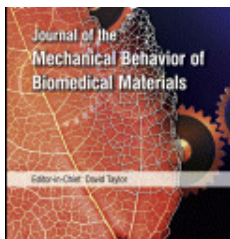
Universiti Malaysia Pahang, Malaysia

**[P3.13]**

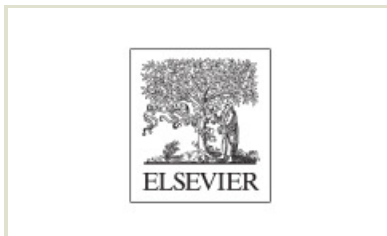
On non-affine mechanical properties of 3D randomly cross-linked filamentous networks

H. Hatami-Marbini

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