



**Engineers Australia's College of Biomedical Engineers – SA Branch and
The Society for Medical and Biological Engineering (SMBE)**

Jointly present

***"Dr Hala Zreiqat, University of Sydney,
Addressing the need to improve and
engineer better biomaterials?"***

This presentation will highlight some of our newly developed novel highly porous and mechanically strong scaffolds for effective skeletal tissue integration and vascularization. Innovative biodegradable and bioactive biomaterials for bone/cartilage augmentation will permit greater control over the location and quality of bone regeneration, allowing faster healing.

Event details:

Date: Wednesday 7th October 2009

Venue: Lecture Theatre S111, Level 1, Engineering South Building, The University of Adelaide

Time: 5:30pm, for a 6pm start (light refreshments served from 5:30pm).

Please note that access to the Engineering South building will not be possible after 6 pm (phone John Costi for access).

Contact: RSVP: Dr John Costi (email: john.costi@flinders.edu.au), 0448 685 205



Name: Dr. Hala Zreiqat
Head: Tissue Engineering & Biomaterials Research Unit
Faculty of Engineering and Information Technologies

Building J07

Telephone:

Office +61 2 9351-2392

Lab +61 2 9036-6469

Facsimile: +61 2 9351-7060

Email: hzreiqat@usyd.edu.au

Dr. Hala Zreiqat

Dr. Zreiqat has over 17 years experience in researching the development of engineered biomaterials for orthopaedic/dental applications. The major goal of her research is to develop novel 3D scaffolds for treating bone and osteochondral defects and for use in maxillofacial reconstruction, providing an ideal alternative to the current suboptimal surgical treatments for bone and cartilage repair. Dr. Zreiqat is a National Health and Medical Research Council Fellow and Head of the Tissue Engineering and Biomaterials Research Unit in the Faculty of Engineering, University of Sydney. She established her Unit in 2006, bringing medical research and engineering together where she directs a diverse, multidisciplinary team of scientists, biomedical engineers and histologists with the aim of developing novel prosthetic devices and scaffolds for skeletal tissue regeneration; gaining greater understanding of bone/cartilage and endothelial cells biology when in contact with engineered biomaterials. In 2006, she established the first Sydney University Tissue Engineering Network (SuTEN), <http://www.eng.usyd.edu.au/webnet/SuTEN/SuTEN2008.html>

She is the author of 52 articles and 4 invited book chapters. She has been an invited/plenary speaker at 8 international and 6 national scientific meetings. She has served on organising committees for numerous national and international meetings. She received the Deans Research Award, Faculty of Engineering, University of Sydney, 2009.