Session Topic 10 -- Nano-bio Fusion, Nano Biology, Nano-Bio-Medical Science

Chairs: Skip Garner, Southwestern Medical University
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WEDNESDAY

Paper ID	Time	Title	Authors & Affiliations
	2:00 - 2:45	*Poster Session*	
	2:45 - 3:00	**Break**	
PID593525	3:00 - 3:30	*Phonoics and Micromechanics of Bio-Colloidal Wiseana Iridovirus*	Huiming Xiong, University of Akron, USA; Alexei P Sokolov, University of Akron, USA; Ryan D Hartschuh, University of Akron, USA; Stephen P Wargacki, Air Force Research Laboratory, USA; Johnathan Neiswinger, University of Akron, USA; Alexander Kisliuk, University of Akron, USA; Sangwook Sihn, University of Dayton Research Institute, USA; Vernon K Ward, University of Otago, New Zealand; and Richard A Vaia , Air Force Research Laboratory, USA
PID596465	3:30 - 4:00	*Atomic Force Microscopy Study of Ivy Climbing Mechanism*	Mingjun Zhang, University of Tennessee, USA; and Maozi Liu, Agilent Labs, USA
PID596633	4:00 - 4:30	*Sprouting from Organic Nanotube Nanopipette*	Kousuke Nogawa, Nagoya University, JAPAN; Masahiro Nakajima, Nagoya University, JAPAN; Toshimi Shimizu, National Institute of Advanced Industrial Science and Technology, JAPAN; Shoko Kamiya, National Institute of Advanced Industrial Science and Technology, JAPAN; and Toshio Fukuda, Nagoya University, JAPAN
PID599713	4:30 - 5:00	*Magnetic Nanoparticles to Enhance Cell Seeding and Distribution in Tissue Engineering Scaffolds*	Paul Thevenot, Univeristy of Texas Arlington, US; Ashwin Nair, University of Texas Arlington, US; J Narayan Poudyal, UTA, US; Ping Liu, UTA, US; and Liping Tang, UTA, US
THURSDAY			
PID599726	9:00 - 9:45	*Novel Quantum Dots for Enhanced Tumor Imaging*	Ashwin Nair, The University of Texas at Arlington, USA; Jinhui Shen, The University of Texas at Arlington, USA; Paul Thevenot, The University of Texas at Arlington, USA; Tong Cai, The University of North Texas at Denton, USA; Zhibing Hu, The University of North Texas at Denton, USA; Liping Tang, The University of Texas at Arlington, USA; Liping Tang, The University of Texas at Arlington, USA
Poster Session (Wednesday 2 - 2:45pm)			
PID593178	Poster	*Functionalised AFM Probes for the Investigation of Intergrin Distribution on the Surface of Osteosarcoma-Derived Osteoblasts*	Federico Caneva Soumetz, University of Genoa, Italy; Laura Pastorino, University of Genoa, Italy;Roberto Raiteri, University of Genoa, Italy; and Carmelina Ruggiero, University of Genoa, Italy
PID594889	Poster	*Application of Optical Protein and Quantum Dot I-SAM Films for Biosensing*	Mark Griep, Michigan Technological University, USA; Govind Mallick, US Army Research Lab, WMRD, USA; Donald Lueking, Michigan Technological University, USA; Craig Friedrich, Michigan Technological University, USA; and Shashi Karna, US Army Research Lab, WMRD, USA
PID595673	Poster	*Photolighographic Patterning of Bacteriorhodopsin Films*	Christopher Anton, Michigan Technological University, USA; Craig Friedrich, Michigan Technological University, USA; and Donald Lueking, Michigan Technological University, USA
PID596395	Poster	*Design of an On-Chip Nanoscale Clock Powered by a Biomolecular Motor Protein*	Michael Norton, Marshall University, USA; Dawn Stump, Marshall University, USA; David Neff , Marshall University, USA; and Anuradha Rajulapati, Marshall University, USA
PID596399	Poster	*Biomolecular shuttles under dielectrophoretic forces*	Yongkuk Lee, West Virginia University, USA; Lloyd Carroll, West Virginia University, USA; Lisa Holland, West Virginia University, USA; and Parviz Famouri, West Virginia University, USA

PID596568	Poster	*Oxidized LDL as an Effective Anti-Cancer Bio Nanoparticle*	Pei-Wen Wang, National Cheng Kung University, Taiwan (R.O.C.); Chu-Huang Chen, Baylor College of Medicine, USA; and Dar-Bin Shieh, National Cheng Kung University, Taiwan (R.O.C.)
PID650331	Poster	*Microarray-Based Hybridization Technology for Biosensors*	Andreas Hanke, University of Texas at Brownsville, United States; Wenchuang (Walter) Hu, University of Texas at Dallas, United States; Stephen D. Levene, University of Texas at Dallas, United States; and J. Ping Liu, University of Texas at Arlington, United States