

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

Chairs: Skip Garner, Southwestern Medical University
 Dar-Bin Shieh, National Cheng Kung University
 Pedro Galvan-Garcia, Texas Scottish Rite Hospital

WEDNESDAY

Paper ID	Time	Title	Authors & Affiliations
	2:00 - 2:45	Poster Session	
	2:45 - 3:00	Break	
PID593525	3:00 - 3:30	<i>Phononics and Micromechanics of Bio-Colloidal Wiseana Iridovirus</i>	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 Sihh, 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	<i>Atomic Force Microscopy Study of Ivy Climbing Mechanism</i>	Mingjun Zhang, University of Tennessee, USA; and Maozi Liu, Agilent Labs, USA
PID596633	4:00 - 4:30	<i>Sprouting from Organic Nanotube Nanopipette</i>	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	<i>Magnetic Nanoparticles to Enhance Cell Seeding and Distribution in Tissue Engineering Scaffolds</i>	Paul Thevenot, University 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	<i>Novel Quantum Dots for Enhanced Tumor Imaging</i>	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
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Poster Session (Wednesday 2 - 2:45pm)

PID593178	Poster	<i>Functionalised AFM Probes for the Investigation of Intergrin Distribution on the Surface of Osteosarcoma-Derived Osteoblasts</i>	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	<i>Application of Optical Protein and Quantum Dot I-SAM Films for Biosensing</i>	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	<i>Photolithographic Patterning of Bacteriorhodopsin Films</i>	Christopher Anton, Michigan Technological University, USA; Craig Friedrich, Michigan Technological University, USA; and Donald Lueking, Michigan Technological University, USA
PID596395	Poster	<i>Design of an On-Chip Nanoscale Clock Powered by a Biomolecular Motor Protein</i>	Michael Norton, Marshall University, USA; Dawn Stump, Marshall University, USA; David Neff, Marshall University, USA; and Anuradha Rajulapati, Marshall University, USA
PID596399	Poster	<i>Biomolecular shuttles under dielectrophoretic forces</i>	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	<i>Oxidized LDL as an Effective Anti-Cancer Bio Nanoparticle</i>	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	<i>Microarray-Based Hybridization Technology for Biosensors</i>	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