

The UAB School of Engineering, Center for Metabolic Bone Disease
and Cell Adhesion and Matrix Research Center Present:

SCIENTIFIC SYMPOSIUM

RESEARCH FRONTIERS:

THE INTERFACE BETWEEN BIOMATERIALS, BONE CELLS AND MATRICES

Sponsored by UAB Division of CME

Wednesday, April 9, 2003 • WP Conference Center, Conference Room E

12:30 - 12:45 p.m.	Registration/Box Lunch		
12:45 - 1:00 p.m.	Welcome and Introduction Linda C. Lucas, Ph.D. <i>Professor and Dean, School of Engineering The University of Alabama at Birmingham</i>		
	Jay M. McDonald, M.D. <i>Professor and Chair, Department of Pathology Director, UAB Center for Metabolic Bone Disease The University of Alabama at Birmingham</i>		
1:00 - 1:30 p.m.	The Tissue Engineering Divide: An Explosion in Discovery/An Industry in Peril Dawn R. Applegate, Ph.D. <i>Managing Partner Applegate & Associates, Inc. San Diego, California</i>		
1:30 - 1:35 p.m.	Questions and Answers		
1:35 - 2:05 p.m.	Molecular Design of Biomaterials to Control Cell Behavior Linda G. Griffith, Ph.D. <i>Professor of Chemical and Biological Engineering Massachusetts Institute of Technology Cambridge, Massachusetts</i>		
2:05 - 2:10 p.m.	Questions and Answers		
2:10 - 2:40 p.m.	Mesenchymal Stem Cells and Their Use in Engineered Skeletal Tissue		
			Arnold I. Caplan, Ph.D. <i>Professor of Biology Director, Skeletal Research Center Case Western Reserve University Cleveland, Ohio</i>
		2:40 - 2:45 p.m.	Questions and Answers
		2:45 - 3:00 p.m.	Break
		3:00 - 3:30 p.m.	Manipulating Adhesive Proteins and Peptides to Promote Osteoblast Adhesion to Biomaterials Susan L. Bellis, Ph.D. <i>Assistant Professor Department of Physiology and Biophysics The University of Alabama at Birmingham</i>
		3:30 - 3:35 p.m.	Questions and Answers
		3:35 - 4:05 p.m.	TGF-Beta Signaling in Skeletal Development Rosa A. Serra, Ph.D. <i>Assistant Professor Department of Cell Biology The University of Alabama at Birmingham</i>
		4:05 - 4:10 p.m.	Questions and Answers
		4:10 - 4:25 p.m.	Panel Discussion
		4:25 - 4:30 p.m.	Closing Remarks Joanne E. Murphy-Ullrich, Ph.D. <i>Professor, Department of Pathology Interim Director, UAB Cell Adhesion and Matrix Research Center The University of Alabama at Birmingham</i>

This Scientific Symposium is:

- Sponsored by the UAB Center for Metabolic Bone Disease, School of Engineering, Cell Adhesion and Matrix Research Center and the Division of Continuing Medical Education; and
- Supported by Eli Lilly and Company, Hologic, Inc., Merck & Co., Inc. and Novartis Pharmaceuticals Corporation.

Course Objectives:

- Learn about the research frontiers of tissue engineering;
- Review current aspects of tissue/implant biology, and bone cell and matrix biology; and
- Consider applications of tissue engineering in medicine.

The University of Alabama School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Alabama School of Medicine designates this educational activity for a maximum of 3.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the activity.

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New Shelby Research Building



New Shelby Research Building



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and Cell Adhesion and Matrix Research Center
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