

The UAB Center for Metabolic Bone Disease Presents:

# SCIENTIFIC SYMPOSIUM ON METABOLIC BONE DISEASE

*Sponsored by UAB Division of CME*

Wednesday, May 17, 2006 • UAB West Pavilion Conference Center • Conference Room E

*Open to all health professionals*

Moderator:	<b>Thomas L. Clemens, Ph.D.</b> <i>Professor and Director, Division of Molecular and Cellular Pathology; and Director, Howard Hughes UAB Med-Grad Fellowship Program</i>	10:00-10:30 a.m.	Do Your Bones Care What Your Muscles Are Doing? <b>Ted S. Gross, Ph.D.</b> <i>Associate Professor, Department of Orthopaedics and Sports Medicine; and Director, Orthopaedic Science Laboratories, University of Washington</i>
7:30-8:00 a.m.	Registration/Continental Breakfast	10:30-11:00 a.m.	TGFb in Bone Metastases <b>Theresa A. Guise, M.D.</b> <i>Gerald D. Aurbach Professor of Endocrinology, Department of Internal Medicine Director, Osteoporosis and Metabolic Bone Disease Clinic, University of Virginia</i>
8:00-8:20 a.m.	Welcome and Overview of Center Activities <b>Jay M. McDonald, M.D.</b> <i>Professor and Chair, Department of Pathology; Director, UAB Center for Metabolic Bone Disease; and Editor-In-Chief, The American Journal of Pathology</i>	11:00-11:30 a.m.	The Pituitary in Control of Bone <b>Mone Zaidi, M.D., Ph.D., F.R.C.P.</b> <i>Professor, Department of Medicine; and Director, Mount Sinai Bone Program, Mount Sinai School of Medicine</i>
8:20-8:40 a.m.	Priorities and Trends at NIAMS and NIH <b>William J. Sharrock, Ph.D.</b> <i>Health Science Administrator National Institutes of Health National Institute of Arthritis and Musculoskeletal and Skin Diseases</i>	11:30-11:45 a.m.	Pilot Study Overview: "NFAT Negatively Regulates Osteoblast Differentiation and Bone Formation" <b>Majd Zayzafoon, M.D., Ph.D.</b> <i>Assistant Professor Department of Pathology, The University of Alabama at Birmingham</i>
8:40-9:10 a.m.	Vitamin D as a Defensin <b>John S. Adams, M.D.</b> <i>Firestein Professor of Medicine; Director, Clinical Research Institute; Director, Division of Endocrinology; and Program Director, General Clinical Research Center, Cedars-Sinai Medical Center David Geffen School of Medicine, UCLA</i>	11:45-12:00 noon	Pilot Study Overview: "Role of Hypoxia in Bone Formation" <b>Shawn R. Gilbert, M.D.</b> <i>Assistant Professor Department of Surgery, The University of Alabama at Birmingham</i>
9:10-9:40 a.m.	Osteocytes As Dynamic, Not Passive Cells <b>Lynda F. Bonewald, Ph.D.</b> <i>Curators Professor; Lefkowitz Professor of Oral Biology; and Director, Bone Biology Research Program School of Dentistry, University of Missouri at Kansas City</i>	12:00-12:15 p.m.	Pilot Study Overview: "Mechanisms of Oral Bacteria-Mediated Bone Resorption Via Toll-Like Receptors" <b>Hui Wu, Ph.D.</b> <i>Assistant Professor Department of Pediatric Dentistry, The University of Alabama at Birmingham</i>
9:40-10:00 a.m.	Break	12:15 p.m.	Closing Remarks – <b>Jay M. McDonald, M.D.</b>

### ***This Scientific Symposium is***

- Sponsored by the UAB Center for Metabolic Bone Disease and the Division of Continuing Medical Education; and
- Supported by unrestricted educational grants from Amgen, Eli Lilly, Merck, Novartis and Procter & Gamble.

### ***Course Objectives:***

- Analyze comprehensive health and scientific issues in osteoporosis and bone metastasis;
- Discuss basic bone cell biology; and
- Review new diagnostic and therapeutic modalities for treating osteoporosis.

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