

The UAB Center for Metabolic Bone Disease Presents:

SCIENTIFIC SYMPOSIUM

ON TRANSLATIONAL RESEARCH IN BONE DISEASE

Sponsored by UAB Division of Continuing Medical Education

Friday, June 29, 2007 • UAB West Pavilion Conference Center, Conference Room E

Open to all health professionals

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| 8:00-8:30 a.m. | Registration/Continental Breakfast |
| 8:30-8:40 a.m. | Welcome and Overview of Center Activities <i>Jay M. McDonald, M.D.</i> <i>Robert and Ruth Anderson Professor and Chair, Department of Pathology; Director, UAB Center for Metabolic Bone Disease; and Editor-In-Chief, The American Journal of Pathology — The University of Alabama at Birmingham</i> |
| 8:40-8:50 a.m. | Symposium Chair <i>Thomas L. Clemens, Ph.D.</i> <i>Professor and Director, Division of Molecular and Cellular Pathology; and Director, Howard Hughes UAB Med-Grad Fellowship Program — The University of Alabama at Birmingham</i> |
| 8:50-9:35 a.m. | The Cell and Molecular Biology of Bone Repair and Regeneration <i>Thomas A. Einhorn, M.D.</i> <i>Professor and Chair, Department of Orthopaedic Surgery — Boston Medical Center</i> |
| 9:35-9:45 a.m. | Questions and Answers |
| 9:45-10:30 a.m. | Periodontal Bioengineering <i>William V. Giannobile, D.D.S., M.S., D.Med.Sc.</i> <i>Najjar Endowed Professor of Dentistry and Biomedical Engineering; and Director, Michigan Center for Oral Health Research — University of Michigan</i> |
| 10:30-10:40 a.m. | Questions and Answers |
| 10:40-11:00 a.m. | Break |
| 11:00-11:20 a.m. | Calcineurin/NFAT Signaling in Osteoblasts: A Journey from Bedside to Bench <i>Majd Zayzafoon, M.D., Ph.D.</i> <i>Assistant Professor, Department of Pathology — The University of Alabama at Birmingham</i> |
| 11:20-11:25 a.m. | Questions and Answers |
| 11:25-11:45 a.m. | Activation of the HIF Pathway Improves Bone Repair <i>Shawn R. Gilbert, M.D.</i> <i>Assistant Professor, Department of Surgery — The University of Alabama at Birmingham</i> |
| 11:45-11:50 a.m. | Questions and Answers |
| 11:50-12:00 noon | Closing Remarks <i>Jay M. McDonald, M.D.</i> |

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 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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