

## DIRECTOR'S NOTES

Thomas R. Hunt, III, M.D., has been appointed Director of the Division of Orthopaedic Surgery and the John Sherrill Chair of Orthopaedic Surgery. He formerly was the head of the Section of Hand Surgery at the Cleveland Clinic and is nationally recognized for his work with hand and wrist injuries, especially with professional and amateur athletes. Dr. Hunt is a welcomed addition to UAB and I look forward to his involvement in the CMBD research program.

The Osteoporosis Prevention and Treatment Center (OPTC) was highlighted in an article "Good Bones, Bad Bones and the Role Calcium Plays in Both" in the Delta Sky Magazine, December 2004. This magazine, which is available to 3.5 million people, provides through this article additional recognition for the OPTC and the Clinic's "Tone Your Bones" website. Congratulations to Drs. Morgan and Saag and Ms. Beth Kitchin on their outstanding work.

The CMBD will be submitting a competing continuation to NIH for its Research Core Center grant entitled UAB Core Center for Musculoskeletal Disorders on May 24, 2005. In preparation for this, an RFA went out to UAB faculty in December for pilot and feasibility project applications. Of the ten applicants who submitted a two-page summary, three have been selected for full proposals which are due on March 18, 2005. The CMBD plans on funding either two or all three of these applications.

The CMBD has three fully functional Cores available to UAB researchers. Below are highlights of the services provided by these Cores.

*Jay M. McDonald, M.D., Director, Center for Metabolic Bone Disease*

*Email:* CMBD@path.uab.edu; *Office:* 205-934-6666; *Website:* <http://cmbd.path.uab.edu>

## CENTER FOR METABOLIC BONE DISEASE (CMBD) CORES

### HUMAN BONE CELL PRODUCTION CORE

**Director: Xu Cao, Ph.D.**  
Volker Hall Building, G003  
Phone: 934-0162  
Email: cao@path.uab.edu

#### Services:

- Human pluripotent stromal progenitor cells
- Osteoclast precursors
- Osteoclast/stromal cell cultures
- Osteoclast functional assays

### HISTOMORPHOMETRY AND MOLECULAR ANALYSIS CORE

**Director: Gene P. Siegal, M.D., Ph.D.**  
Kracke Building, 506  
Phone: 934-6608  
Email: gsiegal@path.uab.edu

#### Services:

- Routine sectioning for light microscopy
- Frozen sectioning
- Paraffin & Plastic embedding
- Quantitative histomorphometry
- Immunohistomorphometry
- Immunohistochemistry
- Molecular analysis including real time PCR
- *In situ* hybridization
- Laser capture microdissection

### SMALL ANIMAL PHENOTYPING CORE

**Director: Timothy R. Nagy, Ph.D.**  
Webb Building, 429  
Phone: 934-4088  
Email: tnagy@uab.edu

#### Services:

- Bone mineral content and density by dual-energy X-ray absorptiometry (DXA) and micro-computed topography imaging
  - *In vivo*
  - *In vitro*

*Thomas L. Clemens, Ph.D., Professor and Director, Molecular and Cellular Pathology*  
*Email:* [tclemens@path.uab.edu](mailto:tclemens@path.uab.edu); *Office:* 205-934-2726