

Creighton University Medical Center Osteoporosis Research Center Research Conference

12:00-1:00 PM –5th Floor CUMC Conference Room 5766

March 4, 2011

No Meeting

March 11, 2011

Presented by: Gary Xiao, PhD

Adipocytes Derived from Human Bone Marrow Mesenchymal Stem Cells Exert Significant Inhibitory Effects on Osteoblastogenesis

Objectives:

1. Describe use of genomics and proteomics to study aging associated osteoporosis.
2. Describe use of co-culture models to study role of S100A6 in osteoblastogenesis.
3. Describe use of human primary mesenchymal stem cells to study effect of bone fat on bone formation.

***March 18, 2011**

Presented by: Robert Recker, MD

Transmenopausal changes in bone and biochemistry: The Menopausal Biopsy Study

Objectives:

1. Describe menopause effects on bone mass.
2. Describe menopause effects on serum biochemistry measures related to bone mass changes.
3. Describe effects of menopause on microstructure of trabecular bone.

**Nursing Continuing Education Units available for this presentation.*

***March 25, 2011**

Presented by: David He, PhD

Regeneration of Stereocilia of Cochlear Hair Cells

Objectives:

1. Describe mechano-electrical transduction in the inner ear.
2. Describe the effect of noise and ototoxic drugs on hair cells.
3. Explore the possibility of rescuing injured hair cells with gene therapy.

**Nursing Continuing Education Units available for this presentation.*

EDUCATION CREDITS:

The Creighton University School of Medicine designates this educational activity for a maximum of 1 *AMA PRA Category 1 Credit(s)*[™]. Physicians should only claim credit commensurate with the extent of their participation in this activity. The Creighton University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Creighton University Medical Center is an approved provider of continuing education by the Nebraska Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation,

Planning Committee: Robert R. Recker, MD, Joan Lappe, PhD, Deborah Richey, RN, MSN, Bethanie West, Administrative Assistant

