2011 Resident Grant Recipients
January 1, 2011 – December 31, 2011 Grant Cycle
$10,000 Resident Grant Recipients

**Principal Investigator:** Brian C. Werner, M.D.
**Co-Investigator:** Frank H. Shen, MD
**Grant Title:** Human Adipose-Derived Stem Cells in a PLGA Nanofiber Scaffold for Spine Fusion

**Principal Investigator:** Dennis S. Meredith, M.D.
**Co-Investigator:** Joseph M. Lane, M.D.
**Grant Title:** The Effect of CT Scan Resolution on Fragility Fracture Risk Assessment Using the Heterogeneity of Bone Tissue Mineral Density

**Principal Investigator:** Scott Hadley, M.D.
**Co-Investigator:** Kenneth A. Egol, M.D.
**Grant Title:** The Role of Ankylosis Protein in Bone Healing

**Principal Investigator:** Eric F. Swart, M.D.
**Co-Investigator:** Melvin P. Rosenwasser, M.D.
**Grant Title:** A Complete Analysis of the Costs of Distal Radius Fractures

**Principal Investigator:** Sasha Carsen, M.D.
**Co-Investigator:** Feibel John Robert, M.D.
**Grant Title:** Post-Operative Radiographic Outcomes of Closed Diaphyseal Femur Fractures Treated with the SIGN Intra-Medullary Nail

**Principal Investigator:** Marie E. Walcott, M.D.
**Co-Investigator:** John J. Wixted, M.D.
**Grant Title:** Role of Htra1 in the Transition from Cartilage to Bone in Fracture Healing

**Principal Investigator:** Josh Murphy, M.D.
**Co-Investigator:** Bruce H. Ziran, M.D.
**Grant Title:** Mechanical Competence of Antibiotic-Laden, Bioabsorbable Bone Cement

**Principal Investigator:** Britt Miller, M.D.
**Co-Investigator:** Bruce H. Ziran, M.D.
**Grant Title:** The Utility of Reprocessed Drill Bits for Surgery; Performance Characterization of OEM, Used, and Reprocessed

**Principal Investigator:** Matthew J. Dietz, M.D.
**Co-Investigator:** David F. Hubbard, M.D.
**Grant Title:** Vascularity of the Lateral Tibial Plafond After Ankle Fracture-Dislocation

**Principal Investigator:** Benjamin C. Taylor, M.D.
**Co-Investigator:** Kevin J. Pugh, M.D.
Grant Title: A Biomechanical Evaluation and Comparison of 6.5mm Cannulated Headless Compression Screws

Principal Investigator: Sanjit Konda, MD
Co-Investigator: Kenneth A. Egol, MD
Grant Title: CT Scan to Detect Intra-articular Air in Knee Joint - A Cadaver Model to Determine a Low Radiation Dose Imaging Protocol