



OTA 2010 GRANT AWARDS (grant cycle: 1/1/2010 – 12/31/2010)

Directed Topic Clinical Study (up to \$50,000/year, 3-year funding cycle)

(Proximal Humerus Fractures, Economic Outcomes in Trauma Care, Clinical Trial Re-evaluation of non-operative problems, Effect of non-operative post surgical therapy in trauma)

Title: Decreasing Long Term Complications and Cost Following Hip Fracture using a Medical Home Concept (MHC)

PI: Wade Smith, MD

Co-PI: Jove Graham, MD

Requested Funds: \$97,785

Grant Funded by: AONA/OTA

Clinical Grant Applications (up to \$40,000/year, 2 year grant cycle)

Title: Multidisciplinary Care of the Geriatric Patient with Fractures Below the Hip

PI: Gregory Della Rocca, MD, PhD

Co-PI: Yvonne Murtha, MD

Requested Funds: \$61,038

Grant Funded by: DePuy/OTA

Title: Prevalence of Abuse With An Intimate Partner Violence Surgical Evaluation (P.R.A.I.S.E.)

PI: Brad Petrisor

Co-PI: Mohit Bhandari

Requested Funds: \$30,000

Grant Funded by: Zimmer/OTA

Title: Effects of the Presence of Microbial Biofilms on the Healing of Osseous Fractures Treated With Internal Fixation

PI: Daniel Altman

Co-PI: Greg Altman

Requested Funds: \$75,000 (note: requested \$80,000)

Grant Funded by: Medtronic/OTA

Basic Research Grants (up to \$25,000, 1 year grant cycle)

Title: Heterotopic Ossification in an Animal Extremity Blast Model

PI: Robert O'Toole

Co-PI: Vincent Pellegrini

Requested Funds: \$25,000

Grant Funded by: AONA/OTA

Title: The Synergistic Effects of VEGF on BMP-induced Osteogenic Differentiation of Bone Marrow Stem Cells

PI: Qianjun Cui

Co-PI: Gary Balian

Requested Funds: \$25,000
Grant Funded by: Synthes/OTA

Title: Engineering the Bioactivity of Absorbable Magnesium Implants for Fracture Fixation and Bone Defect Scaffolds: The Effect of Calcium Phosphate Coatings on In-Vitro Biocorrosion and Osteogenic Differentiation of Mesenchymal Stem Cells

PI: Lawrence Bone

Co-PI: Shuying Yang

Requested Funds: \$25,000

Grant Funded by: DePuy/OTA

Title: Endothelial Progenitor Cells for Healing and Angiogenesis in a Segmental Bone Defect Model: A Comparison With Mesenchymal Stem Cells

PI: Aaron Nauth

Co-PI: Emil Schemitsch

Requested Funds: \$25,000

Grant Funded by: Smith Nephew/Zimmer

Title: Preferential Peroneal Nerve Palsy after Posterior Hip Dislocation and Acetabular Surgery: A Cadaveric Study

PI: Ivan Tarkin

Co-PI: Hans-Christoph Pape

Requested Funds: \$25,000

Grant Funded by: Zimmer

TOTAL AWARDS: \$388,823