



**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)*

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

**PI:** Wade Smith

**Co-PI:** Jove Graham

**Requested Funds:** \$97,785

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

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**Title:** Multidisciplinary care of the geriatric patient with fractures below the hip

**PI:** Gregory Della Rocca

**Co-PI:** Yvonne Murtha

**Requested Funds:** \$61,038

**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

**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)

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

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**Title:** Heterotopic Ossification in an Animal Extremity Blast Model

**PI:** Robert O'Toole

**Co-PI:** Vincent Pellegrini

**Requested Funds:** \$25,000

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

**PI:** Quanjun Cui

**Co-PI:** Gary Balian

**Requested Funds:** \$25,000

**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

**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

**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

**TOTAL AWARDS: \$388,823**