



OTA 2012 GRANT AWARDS (grant cycle: 1/1/2012 – 12/31/2012)

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

Title: Reamer Irrigator Aspirator (RIA) Versus Autogenous Iliac Crest Bone Graft (AICBG) for the Treatment of Nonunions: A Randomized, Prospective, Multi-Centre, Clinical Trial

PI: Aaron Nauth

Co-PI: Emil Schemitsch

Requested Funds: \$79,500

Title: Negative Pressure Therapy Dressings Versus Standard Dressings for Closed Calcaneus Fractures: A Prospective Randomized Study of Wound Complications & Infection

PI: Michael Archdeacon

Co-PI: Camille Connelly

Requested Funds: \$37,750

Title: A Cognitive Behavioral Relaxation Response Training Intervention For Patients At Risk With History Of Orthopedic Musculoskeletal Trauma

PI: Ana-Maria Vranceanu

Co-PI: David Ring

Requested Funds: \$40,000

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

Title: Antimicrobial Photodynamic Therapy For Prevention And Treatment Of Surgical Site Infections

PI: Tianhong Dai

Co-PI: Mark Vrahas

Requested Funds: \$25,000

Resubmitted

Title: Bone Tissue Engineering Using a Scaffold Seeded With VEGF - Transfected Osteoblasts

PI: Ru Li

Co-PI: Emil Schemitsch

Requested Funds: \$25,000

Title: Adipose Derived Stem Cells In The Treatment Of Fractures With Bone Loss And Nonunions

PI: Robert Ostrum

Co-PI: Thimas Tulenko

Requested Funds: \$22,724

Title: Expression of Single Nucleotide Polymorphisms in Delayed Fracture Healing

PI: John Reid

Co-PI: Vikram Sathyendra

Requested Funds: \$25,000

Resubmitted

Title: Role Of Carbon Monoxide (CO), Liberated From A Novel CO-Releasing Molecule (CORM-3) In The Protection Of Skeletal Muscle Following Compartment Syndrome.

PI: Abdel-Rahman Lawendy

Requested Funds: \$24,997

Title: Traumatic Cauda Equina Compression: The Relationship Between The Duration Of Compression, Inflammation And Functional Outcomes In A Rat Model

PI: Chris Bailey

Co-PI: David Sanders

Requested Funds: \$18,633

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

Title: Novel Therapeutic Approach To Improve Bone Healing By Increasing Vascularity Of A Fracture Site Through The Application Of Trophoblast Stem Cells

PI: Chelsea Bahney

Co-PI: Theodore Miclau

Requested Funds: \$25,000

Title: The Role Of G Protein-Coupled Estrogen Receptor 1 In The Fracture Healing Of Normal And Oophorectomized Mice

PI: Rahul Banerjee

Co-PI: Brigham Au

Requested Funds: \$25,000

TOTAL AWARDS: \$348,604