

The Orthopaedic Research and Education Foundation (OREF) was founded in 1955 to ensure an expanding base of knowledge and effective, evidence-based treatment protocols for orthopaedic surgeons to continually improve patient care. Since 1955, OREF has awarded more than \$143 million in research and educational grants and awards that benefit all of orthopaedics. A not-for-profit 501(c)(3) organization, OREF welcomes contributions from individuals and organizations; gifts are tax-deductible to the extent allowed by law.

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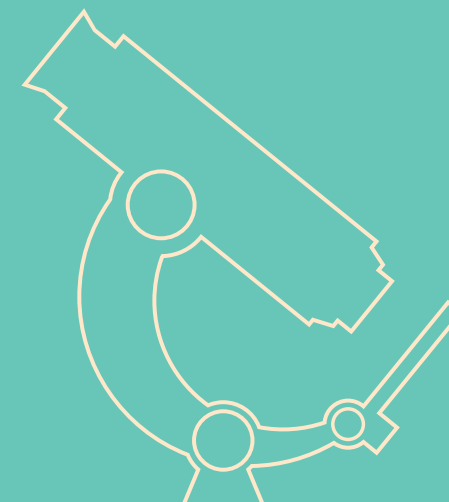


For information on how to apply for OREF Grants and Awards, please access www.oref.org/grants, or call or email:

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2016 Grants Awarded

First-round funding, additional grants will be awarded throughout the year.

OREF RESEARCH GRANTS AND AWARDS FUNDED FOR 2016

OREF CAREER DEVELOPMENT GRANT

Jaimo Ahn, MD, PhD
University of Pennsylvania
Modulation of Vascularity to Enhance Geriatric Fracture Healing

Funding made possible in part by the Dr. Dane and Mrs. Mary Louise Miller Endowment Fund & the Dr. Zachary B. and Mrs. Kathleen FriedenberG Endowment Fund

OREF PROSPECTIVE CLINICAL RESEARCH GRANT

Adam M. Pearson, MD
Dartmouth-Hitchcock Medical Center
Validation of Appropriateness Criteria for the Surgical Treatment of Lumbar Degenerative Spondylolisthesis (LDS)

OREF CLINICAL RESEARCH AWARD

Timothy E. Hewett, PhD
Ohio State University
Mechanisms and Prevention of ACL Injuries: Cutting ACL Injury Risk with Finely Sharpened Tools

RESEARCH GRANTS

OREF/MTF RESEARCH GRANT

Yufeng Dong, PhD
Louisiana State University
Mesenchymal Stem Cell Sheet-Mediated Allograft Repair

OREF/GOLDBERG RESEARCH GRANT IN ARTHRITIS

Surena Namdari, MD
Rothman Institute, Thomas Jefferson University
Understanding the Presence of Bacteria in the Glenohumeral Joint by Polymerase Chain Reaction (PCR)-Based Electron Spray Ionization Time-of-Flight Mass Spectrometry (ESI-TOF-MS): An Evaluation of Non-Arthritis, Arthritic, and Revision Arthroplasty

Funding made possible by the Dr. Victor and Mrs. Harriet Goldberg Endowment Fund

OREF/ASES/ROCKWOOD CLINICAL RESEARCH GRANT IN SHOULDER CARE

Emil Schemitsch, MD
St. Michael's Hospital
The DECIPHER Study: Determinants of Functional and Clinically Important Outcomes in Proximal Humerus Fractures in the Elder Population: A National Cohort

Funding made possible by the Dr. and Mrs. Charles Rockwood Family Endowment Fund

MENTORED CLINICIAN-SCIENTIST GRANT

Kurt R. Weiss, MD
University of Pittsburgh
Exploring Sarcoma Metastatic Potential

ORS/OREF POST-DOCTORAL FELLOWSHIP GRANT

Jennifer A. Nichols, PhD
University of Utah
Evaluating Hindfoot Biomechanics to Improve Function Following Tibiotalar Arthrodesis

NEW INVESTIGATOR GRANTS

Antonia F. Chen, MD
Rothman Institute, Thomas Jefferson University
Arthrofibrosis Modulation by Targeting Collagen Cross-Links

Funding made possible by the Mahendra Patel, MD Research Fund

Kenneth L. Urish, MD, PhD
University of Pittsburgh
Biofilm Dynamics in Periprosthetic Joint Infection

Funding made possible by the Dr. Doreen DiPasquale and Dr. George Cierny Fund

RESIDENT CLINICIAN SCIENTIST TRAINING GRANTS

John A. Buza III, MD
NYU Hospital for Joint Diseases
The Effect of Progranulin on Impaired Fracture Healing in Diabetes

Funding made possible by the Ira A. Roschelle Family Foundation

Alexander B. Christ, MD
Hospital for Special Surgery
Targeting Skeletal Metastases Using a Novel HPMA Copolymer Nanomedicine Delivery System

Recipient of an MTF/Charles H. Herndon Resident Clinician Scientist Training Grant

Funding made possible by the Musculoskeletal Transplant Foundation

Christopher T. Cosgrove, MD
Washington University
Anatomic Syndesmotic Reduction Utilizing Preoperative Computed Tomography: A Cadaveric Study

Funding made possible by Thomas P. Sculco, MD

Dipak B. Ramkumar, MD
Dartmouth-Hitchcock Medical Center
Measuring Near-Infrared Fluorescence Penetration of Normal Connective Tissues to Facilitate Intra-Operative Navigation of Tumor Excision

Funding made possible by the John T. Hocker Charitable Foundation

In Memory of John T. Hocker, MD

Gregory D. Schroeder, MD
Rothman Institute, Thomas Jefferson University
The Effect of Cytokine Levels on the Clinical Outcomes in Patients Undergoing Anterior Discectomy and Fusion

Recipient of an MTF/Charles H. Herndon Resident Clinician Scientist Training Grant

Funding made possible by the Musculoskeletal Transplant Foundation

Kevin A. Sonn, MD
Loyola University, Chicago
Effect of Proton Pump Inhibitors on Bone Formation in a Rat Spinal Arthrodesis Model

Funding made possible by the Ira A. Roschelle Family Foundation

RESIDENT RESEARCH PROJECT GRANTS

OREF/ORS RESIDENT RESEARCH PROJECT GRANT

Sariah Khormae, MD, PhD
Hospital for Special Surgery
Modulating Metastatic Tumor Expansion in Bone Through the Inhibition of the SHN3 Pathway

OREF/UCONN FOUNDERS ENDOWMENT RESIDENT RESEARCH PROJECT GRANT

Michael B. O'Sullivan, MD
University of Connecticut
Topical (Intra-Articular) Tranexamic Acid and Transfusion Rates Following Hip Hemiarthroplasty

OREF/AIRCAST FOUNDATION RESIDENT RESEARCH PROJECT GRANTS

Steven T. DiSegna, MD
University of Massachusetts
Predicting Early Failure in Total Knee Arthroplasty

Christopher R. Dobson, MD
University of California, San Diego
Biomarkers of Neutrophil Extracellular Trap Formation and their Relationship to Adiposity in Total Joint Arthroplasty Patients

Matthew J. Grosso, MD
Columbia University
Adductor Canal Block Versus Periarticular Bupivacaine Injection in Total Knee Arthroplasty

Jason C. Ho, MD
Cleveland Clinic
The Long-Term Effects of Glenoid Component Version in Total Shoulder Arthroplasty

Austin A. Pitcher, MD, PhD
University of California, San Francisco
Biomechanical Evaluation of Augmentation Strategies for Fixation of Proximal Humerus Fractures in Osteoporotic Bone

Brett D. Rosenthal, MD
Northwestern University
Development of 3D-Printed Hyperelastic Bone Components for Bone Regeneration and Spine Fusion

Bryan M. Smith, MD
Loyola University Chicago
Development of a Real Time Model of Foot and Ankle Kinematics During Simulated Gait - A Pilot Study

Jennifer Tangtiphaibontana, MD
University of California, San Francisco
Effect of Ibuprofen on Postoperative Narcotic Consumption and Shoulder Functional Outcomes After Arthroscopic Rotator Cuff Repair

Arvind G. Von Keudell, MD
Beth Israel Deaconess Medical Center
Biomechanical Properties of Intramedullary Suture Anchor Versus Traditional Tension Band Wiring in Osteoporotic Olecranon Fractures

Kent T. Yamaguchi, MD
University of California, Los Angeles
The Effect of Proximal Tibia Anterior Closing Wedge Osteotomy on Anterior Cruciate Ligament Forces and Knee Kinematics: A Biomechanical Study

OREF/EXACTECH RESIDENT RESEARCH PROJECT GRANTS

Nicholas A. Bedard, MD
University of Iowa
Functional Acetabular Orientation and Its Relation to Lumbrosacral Fusion

Amanda N. Goldin, MD
University of California, San Diego
Ewing Sarcoma - A New Treatment with a Dual PI3K/BET Bromodomain Inhibitor

Nicholas Greco, MD
University of Pittsburgh
Exploring the Interactions Between Osteosarcoma Cells and Lung Cells

Jared Thomas, MD
University of Michigan
Prospective, Randomized, Double-Blind, Placebo-Controlled Trial of Prophylactic Tamsulosin for Postoperative Urinary Retention in Primary Total Hip and Knee Arthroplasty Patients

ORS/OREF DISTINGUISHED INVESTIGATOR AWARD

Linda J. Sandell, PhD
Washington University

GRANT PROGRAMS

ORS/OREF/AAOS New Investigator (Grant Writing) Workshop, May, 2016

ORS/OREF Orthopaedic Basic Science Course

AAOS/OREF/ORS Clinician Scholar Development Program

ORS/OREF TRAVEL AWARD IN ORTHOPAEDIC RESEARCH TRANSLATION

Seok Won Chung, MD
Konkuk University School of Medicine

Evangelia Kalaitzoglou, MD
University of Kentucky

Matthieu Malatray, MD
Hospital Edouard Herriot

Brad B. Nelson, DVM, MS,
Diplomate ACVS
Colorado State University

REGIONAL NEW INVESTIGATOR AWARDS

Eastern Orthopaedic Association

Southern Orthopaedic Association

Western Orthopaedic Association