OREF RESEARCH GRANTS AND AWARDS FUNDED FOR 2011

OREF/Zachary B. Friedenberg, MD Clinician Scientist Grant

Quanjun Cui, MD

University of Virginia

Cell-based Bone Tissue Engineering for Fractures and Osteonecrosis

Funding made possible by the Dr. Zachary B. and Mrs. Kathleen Friedenberg Endowment Fund

OREF Career Development Grants

Chitra L. Dahia, PhD

Cincinnati Children's Hospital Medical Center

Control of Intervertebral Disc Growth and Development

Funding made possible by Stryker Orthopaedics

Bang H. Hoang, MD

University of California, Irvine

Targeting Neuropilin-2 for Osteosarcoma Growth and Metastasis

OREF Clinical Research Award

Donald D. Anderson, PhD

University of Iowa

The Pathomechanical Etiology of Post-traumatic Osteoarthritis Following Intra-articular Fractures

OREF/MTF Research Grant

Danielle S. W. Benoit, PhD

University of Rochester

Tissue Engineered Periosteum to Promote Allograft Integration and Healing

Funding made possible by the Musculoskeletal Transplant Foundation

OREF/Goldberg Research Grant in Arthritis

Reuben Gobezie, MD

Case Western Reserve University

Molecular Mechanisms of Synovial Tissue Contribution to the Pathophysiology of Osteoarthritis

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

OREF/POSNA Research Grant in Pediatric Orthopaedics

Sevan Hopyan, MD, PhD

The Hospital for Sick Children

The Embryological Basis of Congenital Femoral and Tibial Deficiency

AAHKS/OREF Research Grant in Adult Reconstruction

Amanda D. Marshall, MD

University of Texas at San Antonio

The Size Dependent Effects of Polyethylene Particles on Mesenchymal Stem Cell Behavior

OREF/ASES/Rockwood Clinical Research Grant in Shoulder Care

John E. Kuhn, MD

Vanderbilt University

Impact of Postoperative Management on Patient Outcomes and Healing of Rotator Cuff Repairs

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

OREF Young Investigator Grants

Robert H. Brophy, MD

Washington University

Metabolic Activity of the Meniscus: Potential Marker for and Predictor of Osteoarthritis

Funding made possible by Zimmer Holdings, Inc.

Kevin W. Farmer, MD

University of Florida, Gainesville

Intra-operative Soft-tissue Tension Measurements During Reverse Total Shoulder Arthroplasty

Funding made possible by Zimmer Holdings, Inc.

Wellington K. Hsu, MD

Northwestern University

Characterization of the Inhibitory Effects of Dioxin on Bone Healing Funding made possible by Zimmer Holdings, Inc.

James P. Lawrence, MD

Albany Medical College/Albany Medical Center

The Effect of Chronic Cyclic Loading of Nimodipine on the Vertebral Endplate and Diffusion of the Intervertebral Disc

Theodore T. Manson, MD

University of Maryland

Acute Total Hip Arthroplasty for Geriatric Acetabular Fractures

Funding made possible by Zimmer Holdings, Inc.

Ahmad Nassr, MD

Mayo Clinic

Vertebral Fracture Prediction Finite Element Model of the Human Osteoporotic Spine Using Novel Computational and Experimental Validation Approaches

Funding made possible by Zimmer Holdings, Inc.

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OREF RESEARCH GRANTS AND AWARDS FUNDED FOR 2011

Mara L. Schenker, MD

University of Pennsylvania

Revisiting the Six-hour Rule in Open Fracture Management: The Effects of Antibiotics and Debridement on Soft Tissue Infections

Funding made possible by Zimmer Holdings, Inc.

Wakenda Tyler, MD

University of Rochester

Angiopoietin Mediated Tumor Growth in a Metastatic Renal Cell Carcinoma Model

OREF/AAHKS Resident Clinician Scientist Training Grant in Total Joint Arthroplasty

Denis Nam, MD

Hospital for Special Surgery

Fluid Pressure Induced Osteolysis—Osteoclast Activation and Bone Resorption in Total Joint Arthroplasty

Funding made possible by Zimmer Holdings, Inc.

Resident Clinician Scientist Training Grants

Nicole S. Belkin, MD

University of Pennsylvania

In Vivo Full-thickness Cartilage Defect Repair with Stem-cell Laden Hyaluronic Acid Hydrogels

Recipient of the MTF/Charles H. Herndon

Resident Clinician Scientist Training Grant

Funding made possible by the Musculoskeletal Transplant Foundation

Christopher K. Kepler, MD

Thomas Jefferson University

Proinflammatory Cytokine Profile of Intervertebral Disc Tissues Stratified by Disc Region from Patients with Discogenic Axial Back Pain Confirmed by Discography

Funding made possible by the Ira A. Roschelle Family Foundation

Sandeep Mannava, MD

Wake Forest University Health Sciences

The Effect of Age on Tendon-to-bone Healing: A Biomechanical and Histological Assessment of Surgically Repaired Rotator Cuffs

Funding made possible by Biomet Orthopedics

Dennis S. Meredith, MD

Hospital for Special Surgery

μCT Analysis of Bone Mineral Composition and Microarchitecture in a Bisphosphonate-treated Patient Cohort with Fragility Fractures

Funding made possible by the Ira A. Roschelle Family Foundation

Austin V. Stone, MD

Wake Forest University Health Sciences

The Role of HIF-2a and NF-kB in Meniscus Degeneration

CORR/Association of Bone and Joint Surgeons Resident Clinician Scientist Training Grant

Funding made possible by the Association of Bone and Joint Surgeons

Brian C. Werner, MD

University of Virginia

Human Adipose Stem Cells with Osteogenic Peptide in a Novel Nanofiber Scaffold for Spine Fusion

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

Funding made possible by the Musculoskeletal Transplant Foundation

OREF/DePuy Resident Research Project Grants

Jennifer J. Beck, MD

Loyola University Medical Center

Effect of Platelet-rich Plasma on Surgically Repaired Rat Rotator Cuff Tears

David A. Black, MD

University of Mississippi

Improvement of Tendon Using Mannose-6-phosphate versus Platelet-rich Plasma

Benjamin G. Bruce, MD

Rhode Island Hospital

Cytokine and Metalloprotease Intracellular Signaling Pathways in Human Subacromial Bursal Cells

David B. Bumpass, MD

Washington University

A Prospective Study to Evaluate Lumbar Neuroforaminal Stenosis Using a Novel Oblique Fast Spin-echo Magnetic Resonance Imaging Technique

Peter D. Fabricant, MD

Hospital for Special Surgery

The Impact of Scoliosis Surgery on the Adolescent Athlete

Orrin I. Franko, MD

University of California, San Diego

Mechanotransduction in Murine Skeletal Muscle

Varun Gajendran, MD

Stanford University

The Use of a Fibronectin-Aggrecan Complex and Cytokines from Intervertebral Discs to Predict Outcomes Following Spinal Fusion Surgery for Discogenic Low Back Pain Syndromes

Simon Görtz, MD

University of California, San Diego

The Effect of Pulsatile Lavage on Osteochondral Allografts

continued . . .

OREF RESEARCH GRANTS AND AWARDS FUNDED FOR 2011

Jennifer E. Hagen, MD

University of Washington

The Lateral Tibial Plateau: Predicting and Preventing Failures in ACL Reconstruction

Richard W. Kang, MD

Rush University Medical Center

Novel 3-D Quantification of the Cam Lesion for Patients with Femoracetabular Impingement

William D. Lack, MD

University of Iowa

Perioperative Effects of Therapeutically Dosed Aspirin on Bone Healing in a Rabbit Ulna Diaphyseal Defect Model

Frank M. McCormick, MD

Massachusetts General Hospital

Combating Fatigue in Orthopedic Residency Programs

Gregory N. Nelson, MD

Washington University

Impact of Elderly Patient Activity Level on Patient-rated Wrist Function after Distal Radius Malunion

Deepan N. Patel, MD

NYU Hospital for Joint Diseases

Deep Venous Thrombosis Prophylaxis Following Knee Arthroscopy: A Prospective, Controlled, Randomized Study

Samantha Piper, MD

University of California, San Francisco

Does Thermal Stress Potentiate Bupivacaine Cytotoxicity in Human Articular Cartilage in Vitro

OREF/Synthes Resident Research Project Grants

Christian N. Anderson, MD

Vanderbilt University

Biomechanical Evaluation of Physeal Sparing Fixation Methods in ACL Avulsion Fractures

Jesse Lee Chrastil, MD

University of Utah

Opioid-induced Androgen Deficiency: Can our Current Postoperative Pain Management Induce a Poor Healing Environment?

David S. Margolis, MD, PhD

University of Arizona

Sciatic Nerve Conduction in a Murine Model Following rhBMP-2 Induced Peripheral Neuropathy

Michael A. Sirota, MD

Union Memorial Hospital

Stability of Fracture Fixation in Condyle Fractures in the Proximal Phalanges of the Hand

Paul A. Toogood, MD

University of California, San Francisco

A Biochemical Comparison between Superior and Anterior Plating Positions for Mid-shaft Clavicle Fractures

OREF/Exactech Resident Research Project Grants

Mohammed M. Ahmed, MD

Saint Louis University

Biomechanical Comparison of an all Soft-tissue Technique vs. Interference Screw Fixation for Subpectoral Tenodesis of the Long Head of the Biceps

Heather A. Campion, MD

University of Iowa

Evaluation of Outcomes of Complex Idiopathic Clubfeet

Geoffrey S. Maracek, MD

Northwestern University

The Effect of Axillary Hair on Surgical Antisepsis Around the Shoulder

Philip M. Sinatra, MD

Saint Louis University

Contribution of Tension-reducing Rotator Cuff Sutures on Plate Fixation of Proximal Humerus Fractures

Corinne VanBeek, MD

Columbia University

Corticosteroid Injections for Adhesive Capsulitis: Injection Location, Accuracy and Efficacy

OREF/MAKO Resident Research Project Grants

David T. Braun, MD

Allegheny-Singer Research Institute

Correlation of Size of Hamstring Quadrupled Graft with Catastrophic Failure Load: A Direct Comparison of Three Graft Sizes with a Standard Patellar Tendon Graft

Brian M. Schulz, MD

Columbia University

The Effect of Knee Flexion Angle During Graft Tensioning in Medial Patellofemoral Ligament Reconstruction

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OREF RESEARCH GRANTS AND AWARDS FUNDED FOR 2011

OREF Resident Research Project Grants

Charles M. Chan, MD

SUNY at Stony Brook

Arthroscopic Imaging of the Rotator Cuff Using Intravascular Ultrasound

Funded by Biomet Orthopedics

Mary K. Mulcahey, MD

Rhode Island Hospital

Immunolocalization of Growth Factors and Cytokines in the Injured Glenoid Labrum after Shoulder Dislocation

Funded by Biomet Orthopedics

ORS/OREF Travel Awards in Orthopaedic Research Translation

Alan Ivkovic, MD, PhD

University Hospital Center Zagreb, Croatia

Amanda D. Marshall, MD

University of Texas, San Antonio

Chidara Ushiku, MD

Tokyo, Japan

Educational Grants

American Academy of Orthopaedic Surgeons
American Orthopaedic Association
ORS/OREF Seventh Annual Grant Writing Workshop
ORS/OREF/AAOS Grant Writing Workshop

OREF CLINICIAN DEVELOPMENT PROGRAM (CDP) GRANTS FUNDED FOR 2011

GME FELLOWSHIP GRANTS

Adult Reconstruction

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in adult reconstruction are made possible by pooled support provided by DePuy Orthopaedics, Biomet, Smith & Nephew and Stryker.

Anderson Clinic

Baylor College of Medicine

Brigham & Women's Hospital

Colorado Joint Replacement/Rocky Mountain Adventist Healthcare Foundation

Columbia University-New York

Presbyterian Hospital

Duke University

Emory University

Foundation for Orthopaedic Research and Education

Hospital for Special Surgery

Indiana University

Massachusetts General Hospital

Mayo Clinic

Mayo Clinic Florida

Methodist Hospital-Houston, TX

New England Baptist Hospital

New York University Hospital for

Joint Diseases

OrthoCarolina/

OrthoCarolina Research Institute

Rothman Institute at

Thomas Jefferson University

Rush University Medical Center

Sinai Hospital of Baltimore, Center for Joint Preservation and Replacement,

Rubin Institute for Advanced Orthopaedics

Stanford University

University of California, Davis

University of Colorado, Denver

University of Louisville

University of Minnesota

University of Pennsylvania

University of Utah

Wake Forest University

Washington University

Foot and Ankle Care

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in foot and ankle care are made possible by pooled support provided by DePuy Orthopaedics and DJO.

Baylor University-Dallas, TX

Foundation for Orthopedic Athletic and Reconstructive Research

Hospital for Special Surgery

University of Iowa

Hand Care

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in hand care are made possible by support provided by DePuy Orthopaedics.

Hamot Medical Center

Massachusetts General Hospital

Union Memorial Hospital

continued...

OREF CLINICIAN DEVELOPMENT PROGRAM (CDP) GRANTS FUNDED FOR 2011

Orthopaedic Oncology

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in orthopaedic oncology are made possible by support provided by Biomet.

Emory University

Massachusetts General Hospital

Orthopaedic Trauma Care

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in orthopaedic trauma care are made possible by pooled support provided by DePuy Orthopaedics, Synthes, Biomet and Stryker.

Carolinas Medical Center

Foundation for Orthopaedic Research and Education

Hospital for Special Surgery

Massachusetts General Hospital

University of California, Davis

University of California, San Francisco/ San Francisco General Hospital & Trauma Center/Orthopaedic Trauma Institute

University of Minnesota

University of Southern California

University of Washington/ Harborview Medical Center

Vanderbilt University

Shoulder and Elbow Care

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in shoulder and elbow care are made possible by pooled support provided by DePuy Orthopaedics and Biomet.

Brigham & Women's Hospital

Foundation for Orthopaedic Research and Education

Foundation for Orthopedic Athletic and Reconstructive Research

Mayo Clinic

Mount Sinai

New York University Hospital for Joint Diseases

University of Florida, Gainesville

University of Texas at San Antonio

University of Washington

Washington University

William Beaumont Hospital

Spine Care

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in spine care are made possible by pooled support provided by DePuy Spine, Medtronic, Biomet and Stryker.

Boston Medical Center

Brigham & Women's Hospital

Cedars-Sinai Medical Center

Children's Orthopaedic Surgery Foundation/Children's Hospital Boston (Harvard University)

Cincinnati Children's Hospital

Medical Center

Cleveland Clinic

Columbia University

Emory University

Foundation for Orthopaedic Research and Education/Moffitt Cancer Center/ University of South Florida

Foundation for Orthopedic Athletic and Reconstructive Research/Texas Medical Center

Hospital for Special Surgery

Johns Hopkins University-Adult Spine

Johns Hopkins University-Pediatric Spine

Massachusetts General Hospital

New England Baptist Hospital

New York University Hospital for

Joint Diseases

Oregon Health & Science University

Orlando Health

Orthopaedic Research Foundation/ Ortholndy

Rady Children's Hospital/Children's Specialists Foundation/UCSD

San Diego Center for Spinal Disorders/ San Diego Spine Foundation

San Francisco Spine Institute

Shriners Hospital for Children Northern California/UC Davis Medical Center

Shriners Hospital for Children, Philadelphia

Southern Illinois University

Stanford University

Texas Back Institute Research Foundation

Texas Scottish Rite Hospital for Children

Twin Cities Spine Center/ The Fairview Foundation

University of California, Davis

University of California, San Diego

University of California, San Francisco

University of Colorado, Denver

University of Tennessee-Campbell Clinic

University of Virginia

University of Washington

Vanderbilt University

Washington University

William Beaumont Hospital

Yale University

Sports Medicine

OREF Clinician Development Program fellowship grants for 2011-2012 awarded in sports medicine are made possible by pooled support provided by DJO, Biomet and Stryker.

Brigham & Women's Hospital

Children's Hospital Boston (Harvard University)

Cincinnati SportsMedicine Research & Education Foundation

Duke University

Keller Army Community Hospital

Kerlan Jobe Orthopaedic Foundation

Ohio State University

University of California, Davis

University of Chicago

University of New Mexico

University of Texas at San Antonio/ Nix Health Care Foundation

University of Utah

Vanderbilt University

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OREF CLINICIAN DEVELOPMENT PROGRAM (CDP) GRANTS FUNDED FOR 2011

RESIDENCY ENHANCEMENT GRANTS

OREF Clinician Development Program residency enhancement grants for 2011-2012 are made possible by pooled support provided by Biomet, Smith & Nephew and Stryker.

Guest Speaker Grants

Atlanta Medical Center

Banner Health

Brooke Army Medical Center

Drexel University

DD Eisenhower Army Medical Center

Geisinger Clinic

Genesys Regional Medical Center

Georgetown University Hospital

Indiana University School of Medicine

Madigan Army Medical Center

Maimonides Medical Center

Medical University of South Carolina

Michigan State University-

Kalamazoo Center for Medical Studies

Montefiore Medical Center

Naval Medical Center San Diego

New York University Hospital for

Joint Diseases

Northwestern University

Ohio State University

Rush University

Southern Illinois University

St. Mary's Hospital

SUNY Downstate Medical Center

Union Memorial Hospital

University of Arizona

University of California, Los Angeles

University of California, San Diego

University of California, San Francisco

University of Chicago

University of Colorado, Denver

University of Florida, Gainesville

University of Hawaii

University of Maryland

University of Massachusetts

University of Minnesota

University of Mississippi

University of Missouri, Columbia

University of Pennsylvania

University of South Alabama

University of Vermont

University of Washington

University of Wisconsin, Madison

Vanderbilt University

Wake Forest University

Walter Reed National Military

Medical Center

West Virginia University

Scholarship Grants

Atlanta Medical Center

Banner Health

Baylor College of Medicine

Brooke Army Medical Center

Dartmouth College

Drexel University

DD Eisenhower Army Medical Center

Geisinger Clinic

Genesys Regional Medical Center

Georgetown University Hospital

Madigan Army Medical Center

Maimonides Medical Center

Medical College of Georgia

Medical University of South Carolina

Millcreek Community Hospital

Montefiore Medical Center

Naval Medical Center San Diego

New York University Hospital for

Joint Diseases

Northwestern University

Ohio State University

Rush University

St. Luke's-Roosevelt Hospital Center

St. Mary's Hospital

SUNY Downstate Medical Center

SUNY Upstate Medical Center

Union Memorial Hospital

University Hospitals Richmond

Medical Center

University of Arizona

University of California, Los Angeles

University of California, San Diego

University of California, San Francisco

University of Chicago

University of Colorado, Denver

University of Florida, Gainesville

University of Hawaii

University of Louisville

University of Maryland

University of Massachusetts

University of Minnesota

University of Mississippi

University of Missouri, Columbia

University of Pennsylvania

University of Puerto Rico

University of South Alabama

University of Tennessee-Campbell Clinic

University of Vermont

University of Washington

University of Wisconsin, Madison

Vanderbilt University

Wake Forest University

Walter Reed National

Military Medical Center

West Virginia University

CONTINUING MEDICAL EDUCATION (CME) GRANTS

OREF Clinician Development Program CME grants for 2011 are made possible by support provided by Smith & Nephew and Pfizer.

CME Grants in Hip and Knee Arthroplasty

American Academy of Orthopaedic Surgeons

AAHKS/AAOS Challenges and Controversies in Total Joint Arthroplasty

American Academy of Orthopaedic Surgeons

AAOS/AAHKS Advanced Surgical Techniques for Management of Knee Arthritis

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OREF CLINICIAN DEVELOPMENT PROGRAM (CDP) GRANTS FUNDED FOR 2011

American Academy of Orthopaedic Surgeons

AAOS/AAHKS Total Hip Arthroplasty: From Primary to Revision

American Association of Hip and Knee Surgeons

Advances in Arthroplasty: AAHKS Twenty-first Annual Meeting

Case Western Reserve University

Current Concepts in Joint Replacement, Spring 2011

Duke University

Third Annual Emily Berend Adult Reconstruction Symposium

Foundation for Orthopaedic Research and Education

Contemporary Surgical Skills Lab for Hip & Knee Arthroplasty

Hospital for Special Surgery

Twenty-third Annual Holiday Total Knee Course

Massachusetts General Hospital

Forty-first Advances in Arthroplasty Course

Mid-America Orthopaedic Association

Back to Basics: Hip and Knee Arthroplasty Pre-meeting Course and the Twenty-ninth Annual Meeting

North Carolina Orthopaedic Association

2011 Annual Meeting

New York University Hospital for Joint Diseases

The Young Adult with Hip Pain

Penn State College of Medicine

Second Annual Central Pennsylvania Hip and Knee Joint Replacement Symposium

Rubin Institute for Advanced Orthopaedics/Sinai Hospital of Baltimore

Fifth Annual Hip Joint Course

University of Texas at Houston

Hip and Knee Joint Preservation and Arthroplasty: Hot Topics and Controversies

Wake Forest University Health Sciences

Second Annual Joint Replacement Conference

CME Grants in Pain Management and/or Osteoarthritis

American Academy of Orthopaedic Surgeons

AAOS/AAHKS Advanced Surgical Techniques for Management of Knee Arthritis

American Academy of Orthopaedic Surgeons

What's Cooking with Fragility Fractures and Other Interesting Stuff

American Association of Hip and Knee Surgeons

Advances in Arthroplasty: AAHKS Twenty-first Annual Meeting

Cedars-Sinai Medical Center

Tenth Annual Symposium on Current Concepts in Spinal Disorders 2011

Eastern Orthopaedic Association

Forty-second Annual Meeting

Huntsville Hospital

2011 Best Practices in Orthopaedics Conference

Louisiana State University Health Science Center

Arthritis Management for Primary Care

Mid-America Orthopaedic Association

Twenty-ninth Annual Meeting

National Association of Orthopaedic Nurses

NAON Research Session: Managing Pain— A Look at Our Progress and Our Challenges

Orthopaedic Research Society

2011 Annual Meeting Workshop— A New Look at Osteoarthritis

Society of Military Orthopaedic Surgeons

Fifty-third Annual Meeting

Southern Orthopaedic Association

Twenty-eighth Annual Meeting

Twin Cities Orthopaedic Foundation

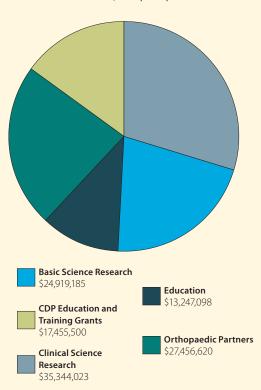
Practical Orthopaedics for Primary Care Providers

Western Orthopaedic Association

Seventy-fifth Annual Meeting

ALL GRANTS AND AWARDS: 1955-2011

TOTAL: \$118,422,426



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