

IMPACT



An Orthopaedic Research and Education Foundation Publication

Volume V

No. 1

LaPrade, Lietman, and Yamaguchi Receive Career Awards



DALLAS, TX - During its semi-annual Board of Trustees meeting on Tuesday, February 12, 2002, Board members approved this year's grants and awards recipients.

One of the researchers to receive a Career Development Award that provides \$75,000 per year for three years was **Robert F. LaPrade, M.D.** of the **University of Minnesota**, for his project, *The Natural History and Outcomes of Posterolateral Knee Complex Instability: An In Vivo Model*.

In a survey of the new recipients, **Dr. LaPrade** commented that he hopes his research can provide "early recognition by clinicians of posterolateral knee injuries, and improved methods to treat posterolateral

and multiple ligament injured knee injuries."



Dr. Robert LaPrade

project's funding, and allowing for research to be the primary focus of his biomechanics lab.

In addition to **Dr. LaPrade**, two additional Career Development Award recipients are **Steven A. Lietman, M.D.** of **Johns Hopkins University**, for his project, *Molecular Mechanisms of Ectopic Bone Formation*, and

Dr. LaPrade, an Associate Professor in the Department of Orthopaedic Surgery and the University's Sports Medicine Institute, credits the OREF Career Development Award with assisting in the



Dr. Ken Yamaguchi

Ken Yamaguchi, M.D., of **Washington University**, who received the Thomas M. Coffman Career Development Award for his project, *Natural History of Asymptomatic Rotator Cuff Tears: A Longitudinal Study of Contralateral Tears Detected Sonographically*.

For OREF's full listing of 2002 Grants and Awards recipients, see pages 6-8.

Zimmer Funds Orthopaedic Development Awards

Zimmer Holdings, Inc., announced that it has funded more than \$300,000 in unrestricted grants to seven orthopaedic surgeons who are early in their careers and are pursuing further training or investigation. The Orthopaedic Research and Education Foundation (OREF) administered the selection process that, for the first time, included two new directed awards for minority and female applicants, with those selections being made by the J. Robert Gladden and Ruth Jackson Orthopaedic Societies.

(Continued on page 8)

Collision Directs National Board Member Toward New Road with OREF

*By Marilyn J. Marcum
National Board Member*

After lunch on February 1, 1996, I was returning to the Ford Customer Service Division, where I work as a cataloging/customer service agent. While on my way, the driver of another car ran a red light and we collided in the intersection of Stark Road and Schoolcraft Drive in Livonia, Michigan.



**Marilyn J. Marcum
OREF National
Board Member**

(Continued on page 8)

Spring/Summer Highlights for 2002

Issue Highlights	Page
From the Board Chair	2
Campaign Coordinator Corner	3
Corporate Associates Program	4-5
Grants and Awards	6-8
J. Robert Gladden Society	9

From the Board Chair

It is a very good feeling to know that OREF is poised to become an even more significant part of the orthopaedic community in the years ahead, and that it is building on a pattern of success in doing so. The past year was the second best year OREF has ever had in terms of total dollars raised, including planned gift commitments. The prior year, 2000, had been our second best year, so we have been topping ourselves. We received gifts and pledges of \$8.7 million, and another \$2.7 million in planned gift commitments. We were able to fund 102 grants worth more than \$3.25 million this year, our best year for grant support ever.

At the Annual Meeting of the AAOS, we announced the creation of our first Clinician Scientist Award, to be funded by **Zachary B. Friedenberg, M.D.**, and his wife **Kathleen**. We hope this will be the example for more such awards in the near future.

This success has given us momentum for our future efforts. During the meeting in Dallas, the OREF Board reviewed the draft of our strategic plan, intended to put OREF in a position



James R. Urbaniak, M.D.

to triple (or more!) its endowment in the next several years. That plan focuses on enhancing our communication efforts, both within and outside of the specialty, on verifying the impact of our work over the past 47 years, and on building partnerships with orthopaedic surgeons, professional organizations, and the public in order to raise the money needed to get our endowment to our goal.

These have been very exciting years for OREF. The next few years will be more exciting yet. I hope each of you will join us in our journey. It'll be worth it for us, our specialty, and our patients.

A Message From the President



I was going to begin this article by writing that these are very exciting times at OREF, but the truth is that every day at OREF is exciting. We completed the end of the year giving push in January but then headed right into the AAOS Annual Meeting in Dallas in February. Now we are fully into the grants cycle, having announced our grants awards categories and are now accepting applications. This will continue for the next several months as high-quality grant applications arrive daily. By September, boxes full of application materials will be ready for review by our many volunteers. (Thanks to them for the wonderful work they do for OREF!) We are also hosting several Resident Symposia in various parts of the country during the spring term. These give us a chance to encourage young doctors to participate in a research and presentation activity.

Fund raising continues throughout the year, and we have already begun receiving many gifts from orthopaedic surgeons renewing their annual Order of Merit (\$1,000 or more) gifts. The Shands Circle Committee is busy recruiting new members, and we hope to add as many as the more than 30 new members we welcomed last year.

We are also working with several of the specialty societies on ongoing campaigns, or in some cases to begin planning a campaign for them. Our work with COMSS groups is extensive, including everything from initial planning, to goal setting, prospect identification, drafting of fund raising letters and supporting materials, and management of the funds raised. We also help these groups by offering assistance on grant reviews if needed, and on distribution of funds once decisions about their use are made. We really try to be a valuable resource for all groups connected to orthopaedic medicine.

and we work closely with corporate supporters to examine ways to increase their support at a time when some companies are cutting back on their contributions. By being flexible and responsive to the companies who support us, and exploring new ideas for research that meets both their needs and ours, we are getting great cooperation from orthopaedic industry once again.

We have determined that we need to do a better job of telling the story of what OREF research has meant over the years, so we are making a commitment to explore the history of OREF to document the impact that the research and researchers connected with OREF have had on orthopaedics. While we are looking to our past, we are also trying to ascertain the future, looking ahead to try to determine what the future of orthopaedics might be in five or ten years so that we can better align our research to important new trends, putting us on the cutting edge. In addition to all of this activity, we are also making sure that we manage your gifts to us in a professional and responsible way. Our Finance Committee meets quarterly to review our investments, and we just completed our annual audit process.

So, if you were to ask "what's new at OREF?" the response would be "In what area?" In individual giving, Shands Circle recruitment, work with specialty and other societies, corporate giving, grant-making, or financial management, there is always something exciting going on. And we know that the effort is worth it, because at the end of each fiscal year we see how much support OREF has, and when grants are announced we see how important the research is. We hope that you will join us in our efforts throughout the year to continually enhance the quality of life provided by orthopaedic surgeons.

Gene R. Wurth

Another significant component of our financial support comes from industry,



Grant & Award Announcement

The Orthopaedic Research and Education Foundation invites applications from individuals working at institutions in the United States and orthopaedic organizations and societies for grants and awards that advance musculoskeletal research.

- Download through our Web site: <http://www.oref.org>
- E-mail Carmen Metoyer at metoyer@oref.org or call (847) 384-4351 to request applications

Submission Deadline
August 1st

Discovering the Future of Orthopaedics

State Campaign Coordinator Corner



Ed Hoover **Megan Wilson**

State Campaign Coordinators, OREF volunteers around the country, are essential to the success of Annual Giving. These 201 individuals, mostly orthopaedic surgeons, serve as local representatives for OREF and help communicate the foundation's mission to fund quality research and education. State Campaign Coordinators provide a variety of services. They communicate with local colleagues through phone calls and letters, speak at state, regional and specialty meetings, encourage their orthopaedic department to participate with an institutional contribution, and in general encourage donations to OREF. Their efforts are invaluable. For a complete listing of our State Campaign Coordinators, please visit our Web site. To each of our volunteers, thank you.

- Trustee **William C. McMaster, M.D.** spoke April 7 at the California Orthopaedic Association
- **Joseph S. Barr, Jr., M.D.** spoke April 10 at the Massachusetts Orthopaedic Association
- **Shep Hurwitz, M.D.** spoke May 19 at the Virginia Orthopaedic Society,
- **Kevin D. Plancher, M.D.** of Connecticut spoke at several meetings on behalf of OREF.
- Trustee **John J. Callaghan, M.D.** spoke at the Mid-America Orthopaedic Society
- Trustee **Guy T. Vise, Jr., M.D.** spoke at the Mississippi Orthopaedic Society meeting.
- **Declan R. Nolan, M.D.** spoke at the Alaska Orthopaedic Society
- **Linda J. Rasmussen, M.D.** spoke at Hawaii Orthopaedic Association
- **Eugene C. Wittenstrom, M.D.** spoke at the Illinois Association of Orthopaedic Surgeons;
- **Joseph A. Buckwalter, M.D.** spoke at the Iowa Orthopaedic Society meeting.

In Memory

OREF honors the memory of the following orthopaedists who gave their time, skills, and artistry to their patients and the specialty:

James J. Chen, M.D., 62, of Munster, IN, died in March 2001. A staunch OREF supporter since 1985, he was a member of the Alfred R. Shands, Jr. Circle Recognition Society.

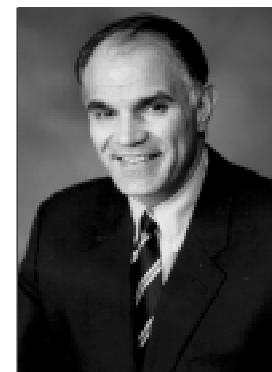


James J. Chen, M.D.

Laura B. Flawn, M.D., 48, of Austin, TX, died in October 2001. She was a friend to OREF and a member of the Alfred R. Shands, Jr. Circle Recognition Society. She was also affiliated with the Ruth Jackson Society, North American Spine Society and was an American Academy of Orthopaedic Surgeons member since 1988. The Laura B. Flawn, M.D. Lectureship in Diseases of the Spine and Spine Trauma has been established in her memory in the Department of Orthopaedics at the University of Texas Health Science Center at San Antonio.

James A. Arnold, M.D., 60, of Fayetteville, AR, died in February 2002. He served as a State Campaign Coordinator for OREF for six years, and was a member of the American Board of Orthopaedic Surgery since 1977, AAOS since 1979, and the American Orthopaedic Society of Sports Medicine.

Annual Giving Update



Bernard R. Bach Jr., M.D.
Vice Chair, Development

I am writing you on behalf of the Orthopaedic Research and Education Foundation (OREF). I serve on the Board of Directors, serve as Vice Chair of Development, have supported OREF annually since 1987, and have been a member of the Shands Circle since 1994.

Since 1955, OREF has funded 1,625 grants for a total of \$47.5 million. Thanks to contributions received in 2001, this year 102 grants are being funded for \$3.25 million.

The events of 9/11 and the economy impacted gift giving. Although OREF's total income was up, contributions to the Annual Fund were down nearly \$300,000. There was a reduction in 300 total donors and a reduction of 200 donors at the Cum Laude (Order of Merit).

I am determined to reverse last year's performance. Please join me in supporting OREF early in this fiscal year 2002.

Sincerely,

Bernard R. Bach, Jr., M.D.

OREF Endowment News & Views



Mark J. Malone

OREF would like to thank and recognize the following new Alfred R. Shands Jr. Circle members who committed to the endowment during 2001 and through March 11, 2002. We appreciate their generosity and commitment to orthopaedic research and education.

Dr. Robert and **Mrs. Terry Barrack**
Dr. and **Mrs. James H. Beaty**
Louis U. Bigliani, M.D.
Keith H. Bridwell, M.D.
Edward L. Brundick, M.D.
Dr. Robert W. Bucholz and
Dr. Marybeth Ezaki
Dr. Douglas and **Mrs. Debra Dennis**
Joseph C. DiRaimondo, M.D.
Thomas A. Einhorn, M.D.
Gerald A.M. Finerman, M.D.
Evan L. Flatow, M.D.
Mrs. Martha F. Ford
William E. Frank, M.D.
Frank J. Frassica, M.D.
Kevin L. Garvin, M.D.
J. Leonard Goldner, M.D.
Mr. Randy and **Mrs. Janet Goodwin**

Dr. and **Mrs. Walter B. Greene**
Dr. and **Mrs. John W. Hilleboe**
Kenneth J. Koval, M.D.
Dr. Lawrence G. and
Mrs. Elizabeth Lenke
Andrew S. Levy, M.D.
Neil J. Maki, M.D.
Dr. Thomas and
Mrs. Mary Anne Marberry
George S. Mauerman, M.D.
James P. McAuley, M.D.
Dr. Robert and **Mrs. Becky McLain**
Dr. and **Mrs. Bernard F. Morrey**
Dr. Regis and **Mrs. Carol O'Keefe**
Richard D. Parker, M.D.
Dr. and **Mrs. Gary G. Poehling**
Mr. Frank E. Raymond
K. Daniel Riew, M.D.
Dr. Michael and **Mrs. Barbara Simon**
William A. Sims, M.D.
Dan M. Spengler, M.D.
James W. Strickland, M.D.
Dr. Marc and
Mrs. Beth Swiontkowski
Richard B. Welch, M.D.
Joseph D. Zuckerman, M.D.

OREF's 2002 Leadership Breakfast Program

By **Judy Sherr**
Vice President, Corporate Relations and Strategic Philanthropy

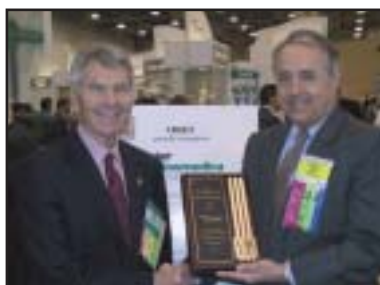
On Thursday, February 14, 2002 nearly 250 individuals, comprised of leaders in orthopaedics, grant recipients, and distinguished representatives from industry, gathered to see old friends and meet new ones at the OREF Leadership Breakfast. Held in the Grand Hall of Union Station, the Leadership Breakfast brought together individuals who might otherwise not have a chance to meet. It provided a relaxed and informal setting that resulted in the lively art of conversation and productive networking.

On behalf of the OREF Board of Trustees, **James Urbaniak, M.D.**, Chairman, and **John Callaghan, M.D.**, Vice Chair, Corporate Relations, expressed their appreciation to corporate contributors and volunteer orthopaedic surgeons who have dedicated time, energy and resources in support of OREF's efforts to fund quality research and education.

Victor M. Goldberg, M.D., Vice Chair, Grants, recognized the many grant recipients whose funding was supported by corporate contributors. He acknowledged the seven companies whose 2001 contributions funded a total of twelve investigators, provided support for OREF's Practice Management Symposium for Orthopaedic Residents, and designated support to Specialty Society's education and research efforts. **Dr. Goldberg** thanked all the volunteers who reviewed the 274 grant applications received in 2001.

In recognition of their support at the highest corporate contribution level, special plaques were presented to representatives from Abbott Laboratories, Aircast, Aventis, DePuy, Organon Sanofi-Synthelabo, Orthofix, Stryker Howmedica Osteonics, and Zimmer for 2001.

The special synergy that emerged during the Leadership Breakfast serves as an important reminder of how vital the partnership between industry and orthopaedic surgeons is to bringing about advances in the profession. Plans are underway for next year's OREF Leadership Breakfast in New Orleans.



John W. Brown, Chairman, President and CEO, Stryker, Corp. and OREF Trustee, (left) with OREF Trustee **James W. Ogilvie, M.D.** (right).



(from left to right) OREF's **Tom Coffman**, with **Tom Tomscheck**, District Manager for HPD Sales, **Tracey Brill**, Director of Strategic Marketing, **Linda Fletcher**, District Manager for HPD Sales, of Abbott PainCare and OREF National Board Member **Marilyn Marcrum**.



Dan Berish, VP of Sales & Marketing of Aircast (left) is congratulated by OREF Trustee **James W. Ogilvie, M.D.** (right).



(from left to right) OREF Trustees **Dick Tarr**, DePuy, **James R. Urbaniak, M.D.**, **Kevin Sidow**, President, DePuy Orthopaedics, and **Earl Fender**, President, Acromed Worldwide, a subsidiary of DePuy.



(from left to right) OREF's **Tom Coffman**, **Edgar Wallnert**, Board Member, **Charles Federico**, Group President and CEO, Orthofix, OREF National Board Member **Marilyn Marcrum**, and **Robert Gaines-Cooper**, Chairman of the Board, Orthofix.



OREF Vice Chair of Grants **Victor M. Goldberg, M.D.** (left) with **William C. Allen, M.D.**, Board of Directors, (center) and **William F. Enneking, M.D.**, Chairman, Board of Directors, Musculoskeletal Transplant Foundation (right).



OREF Vice Chair, Corporate Relations, **John J. Callaghan, M.D.** (left) **Brad Bishop**, Director of Public Affairs, Zimmer (right).



John J. Callaghan, M.D. (left), **Patrick Marcotte**, Product Manager, Aventis (right).



(from left to right) OREF's **Judy Sherr** with **Emmanuel Dulac**, Sanofi-Synthelabo, **H. James Pfaeffle, M.D., Ph.D.**, and **Lana Kang, M.D.** - recipients of Resident Research Grants funded by Organon and Sanofi-Synthelabo, and **Kevin Williams**, **Renee Prasuhn**, **Danyi Zhang**, Organon and Sanofi-Synthelabo.



John J. Callaghan, M.D.
Vice Chair
Corporate Relations

OREF is proud to acknowledge the distinguished companies below for their generous support of orthopaedic research and education in 2001. A strong and productive alliance with industry enables OREF to fund the kinds of quality programs and projects that bring about significant advances in the orthopaedic profession, and ultimately, improved patient care.

Corporate Associates Program - 2001 -

Premier Level (\$200,000 or more)



Sustaining Level (\$100,000 - \$199,999)



Supporting Level (\$50,000 - \$99,999)

*AstraZeneca
Biomet Orthopaedics / EBI
Genzyme Biosurgery
Pharmacia Corporation*

*Smith + Nephew, Inc. - Orthopaedics
Synthes (USA) and AO ASIF Foundation
Wyeth-Ayerst Pharmaceuticals*

Advancing Level (\$25,000 - \$49,999)

Sulzer Medica

Contributing Level (\$10,000 - \$24,999)

*Arthrex, Inc.
Champion Exposition Services
Medtronic Sofamor Danek*

*Merck Human Health
MicroAire Surgical Instruments, Inc.*

Participating Level (\$1,000 - \$9,999)

*Aesculap, Inc.
Boehringer Ingelheim Pharmaceuticals
Exactech, Inc.
Hapad, Inc.
Hayes Medical
Innomed, Inc.
KMedic, Inc.
Knowledge Enterprises, Inc.
Kyphon Inc.*

*Link Orthopaedics, Inc.
Maine Orthopaedic Review Course
Medstrat
Orthopedic Network News
Pfizer, Inc.
ProNational Insurance Company
Symmetry Medical*

To learn more about the Corporate Associates Program, sponsorship opportunities and recognition benefits, please contact

Judy Sherr, Vice President, Corporate Relations and Strategic Philanthropy at
(847) 384-4356 or sherr@oref.org.



2002 Grants and Awards Funded

In 2001, the Orthopaedic Research and Education Foundation received 274 grant and award applications totaling over \$14.7 million. The Foundation continues to support quality orthopaedic research and education through 102 grants and awards totaling \$3.25 million from the Fund of 2001.

Additionally, \$1.4 million was raised for use by various specialty societies. Congratulations to the following grantees and award recipients.

CAREER DEVELOPMENT AWARDS

Robert F. LaPrade, M.D.
University of Minnesota

The Natural History and Outcomes of Posterolateral Knee Complex Instability: An In Vivo Model

Steven A. Lietman, M.D.
Johns Hopkins University

Molecular Mechanisms of Ectopic Bone Formation

Ken Yamaguchi, M.D.
Washington University

Natural History of Asymptomatic Rotator Cuff Tears: A Longitudinal Study of Contralateral Tears Detected Sonographically

Recipient of the Thomas M. Coffman Career Development Award

RESEARCH GRANTS

Ron N. Alkalay, Ph.D.
Beth Israel Deaconess Medical Center

The Effects of Augmentation on Mechanical Stability and Neural Foramen Dimensions of Failed Osteopenic Vertebrae Under Complex Static and Dynamic Functional Loads

Darryl D. D'Lima, M.D.
Scripps Clinic

In Vivo Measurement of Tibial Forces

Funded by the Dr. Dane and Mary Louise Miller Endowment Fund

Patrick P. Lin, M.D.
University of Texas MD Anderson Cancer Center

A Genetic Murine Model of Osteosarcoma

Allen Anderson, M.D.
American Orthopaedic Society for Sports Medicine

Establishing Normative Values for the IKDC Knee Evaluation Form

John C. France, M.D.
West Virginia University

Bone Graft Substitutes for Spine Fusion in a Nicotine Exposure Model

Funded by the Musculoskeletal Transplant Foundation

Peter O. Newton, M.D.
Children's Hospital and Health Center

Multilevel Spinal Growth Modulation with an Anterolateral Flexible Tether in an Immature Bovine Model

Pedro Beredjikian, M.D.
University of Pennsylvania

Subcutaneous Implantation of Adult and Fetal Tendons: Effect of Adult Environment on Wound Healing

Leesa M. Galatz, M.D.
Washington University

Characterization of the Bone Tendon Healing Site in the Rotator Cuff Model: Acute vs. Delayed Repair

Wen-Ning Qi, M.D.
Duke University

Nitric Oxide and CA²⁺ Influx in Functional Recovery of Injured Nerve

Howard A. Chansky, M.D.
University of Washington

The Role of Wild-type EWS and the EWS/FLI-1 Fusion Protein in the Genesis

David Hak, M.D.
University of California, Davis

Regeneration and Repair of Bone Following Trauma

Partially funded by Synthes (U.S.A.) and AO/ASIF Foundation

Paul Tornetta III, M.D.
Boston University

Study to Prospectively Evaluate Reamed Intramedullary Nails in Tibial Fractures: A Multi-Center Randomized Trial of Reamed Versus Nonreamed Intramedullary Nails (SPRINT)

STATE ORTHOPAEDIC SOCIETY LECTURESHIPS

Alabama Orthopaedic Society
Arizona Orthopaedic Society
California Orthopaedic Association
Eastern Orthopaedic Association
Georgia Orthopaedic Society
Hawaii Orthopaedic Association
Iowa Orthopaedic Society
Kansas Orthopaedic Society

Louisiana Orthopaedic Association
Michigan Orthopaedic Society
Mid-America Orthopaedic Association
Mid-Central States Orthopaedic Society, Inc.
Mississippi Orthopaedic Society
Missouri State Orthopaedic Association
New Jersey Orthopaedic Society

North Carolina Orthopaedic Association
North Pacific Orthopaedic Society
Pennsylvania Orthopaedic Society
South Carolina Orthopaedic Association
Tennessee Orthopaedic Society
Virginia Orthopaedic Society
Washington State Orthopaedic Association

Michael R. Hausman, M.D.
Mount Sinai

Impairment of Fracture Healing by Suppression of Angiogenesis

Xinping Zhang, Ph.D.
University of Rochester

The Role of COX-2 in Bone Remodeling Following Allografting

OREF CLINICAL AWARD

Joseph D. Zuckerman, M.D. and Kenneth J. Koval, M.D.

Hip Fractures in the Elderly: A Comprehensive Clinical and Research Approach

ZIMMER SURGICAL CAREER DEVELOPMENT AWARDS

Thomas E. Brown, M.D.
University of Virginia

Robert L. Satcher, M.D.
Northwestern University

Leesa M. Galatz, M.D.
Washington University

John B. Sledge III, M.D.
Boston Medical Center

Russell D. Meldrum, M.D.
Indiana University

Kristy L. Weber, M.D.
University of Texas MD Anderson Cancer Center

Douglas D.R. Naudie, M.D.
University of Western Ontario

PATEL TRAVELING FELLOWSHIP

Jagat B. Bhatt, M.D.
Ahmedabad, India

FRED W. HARK, M.D. & WILLIAM A. HARK, M.D. LECTURESHIP AWARDS

**Dartmouth Hitchcock
Duke University
University of Illinois at Chicago
University of Vermont**

**University of Washington
University of Wisconsin
Western Orthopaedic Association**

AAOS/OREF HEALTH SERVICES FELLOWSHIP

Daniel B. Whelan, M.D.
University of Western Ontario

EDUCATIONAL GRANTS

Academic Orthopaedic Society
Measurement of Resident Education Symposium at the Academic Orthopaedic Society 10th Annual Meeting

Fort Worth Affiliated Hospitals Orthopaedic Residency Program
Improvements in Orthopaedic Care at Residency Training Programs by Utilization of Digital Photography

Gordon Research Conferences
Gordon Research Conference on Musculoskeletal Biology and Bioengineering

The Journal of Bone and Joint Surgery
Web-Based Enhancements of Peer-Reviewed Articles

Mount Sinai Medical Center
Instructors Course in Orthopaedic Bioethics

Orthopaedics Overseas
OREF-OO Traveling Fellowship

University of Arizona
Management of the Musculoskeletal System For Primary Care Residents: A Self-Paced Education Program

JBJS JOURNAL CLUBS

**Akron General Medical Center
Carolinas Medical Center
Dartmouth Hitchcock Medical Center
Duke University
Fort Wayne Orthopaedic Residency
Hamot Medical Center
Harvard University
JPS Health Network
Long Island Jewish Medical Center
Medical College of Ohio
Medical College of Wisconsin
Monmouth Medical Center
Montefiore Medical Center
Naval Hospital, San Diego
Naval Medical Center Portsmouth
Oregon Health Sciences University
Orlando Regional Healthcare
Pennsylvania State University
St. Louis University Medical Center
St. Luke's-Roosevelt Hospital Center
St. Vincent's Catholic Medical Center**

**Summa Health System, Akron
Thomas Jefferson University
University of Arizona
University of British Columbia
University of California, Davis
University of California, San Diego
University of California, San Francisco
University of Connecticut
University of Illinois at Chicago
University of Minnesota
University of Pennsylvania
University of Rochester
University of South Carolina
University of Southern California
University of Utah Health Sciences
University of Vermont
University of Virginia
Virginia Commonwealth University
Walter Reed Army Medical Center**

PROSPECTIVE CLINICAL RESEARCH GRANT

Michael J. Bosse, M.D.
Carolinas Medical Center

Multi-Center Study: Immediate Versus Delayed Closure of Grade II and Grade IIIA Tibia Fractures

K. Daniel Riew, M.D.
Washington University

Can Cervical Nerve Root Injection Prevent Surgery for Radiculopathy? - A Prospective, Randomized, Controlled, Double-Blinded Study

Kurt P. Spindler, M.D.
Vanderbilt University

Cohort Evaluation Natural History of 1059 ACL Reconstructions: Evaluation of Intraarticular Injuries as Predictors of Function and Arthritis at Minimum Five Years from Prospective ACL Database

RESIDENT RESEARCH GRANTS

Letitia L. Bradford-Collons, M.D.
University of California
San Francisco

The Characterization of Damage in Crosslinked Polyethylene for Total Joint Arthroplasty

Gregory J. Della Rocca, M.D., Ph.D.
Barnes-Jewish Hospital

Examination of Signal Transduction Pathways in Chondrocytes

Recipient of the Sulzer Medica Resident Award for Growth Factor Research funded by Sulzer Medica Inc.

James E. Fleming Jr., M.D.
Cleveland Clinic Foundation

Aspiration and Characterization of Osteoprogenitor Cells From the Vertebral Body During Pedicle Screw Fixation: Comparison to Iliac Crest

Recipient of the Charles H. Herndon Residency Research Award funded by the Musculoskeletal Transplant Foundation

Andreas H. Gomoll, M.D.
Brigham and Women's Hospital

A Nanocomposite Bone Cement with Improved Mechanical Properties

Recipient of the Marshall R. Urist Residency Research Award funded by the Association of Bone and Joint Surgeons

Awards (Cont'd.)

(Continued from Page 7)

Russell C. Huang, M.D.
Hospital for Special Surgery

Effect of Alendronate in Osteoporotic Rat Spine Fusion

**Recipient of the Katherine Wolcott Walker
Resident Research Award**

Lana Kang, M.D.
Rhode Island Hospital

In Vivo Kinematics of the Scaphotrapeziotrapezoidal Joint

Funded by Organon Sanofi-Synthelabo, L.L.C.

Hue H. Luu, M.D.
University of Chicago

Metastasis Suppressor Gene(s) in Human Osteosarcoma

Funded by Organon Sanofi-Synthelabo, L.L.C.

James H. Pfaeffle, M.D., Ph.D.
University of Pittsburgh

*Analysis of Functional Bundles and Isometry in the
Interosseous Ligament of the Forearm*

Funded by Organon Sanofi-Synthelabo, L.L.C.

Peter Tang, M.D.
University of Pittsburgh

*Is Anatomic Reconstruction Biomechanically Superior to
Conventional ACL Reconstruction? - An In Vivo Goat
Study*

Kurt V. Voellmicke, M.D.
Hospital for Special Surgery

*Biomechanical Analysis of the Peroneus Longus
Tendon and Its Os Attachments*

Andrew A. Willis, M.D.
Hospital for Special Surgery

*The Effect of Post-Traumatic Hemarthrosis on Patient
Outcome Following Operative Management of Unstable
Intra-Articular Fractures of the Distal Radius*

Navid M. Ziran, M.D.
University of Rochester

*Cyclooxygenases: Role in Chondrogenesis and Skeletal
Repair*

Funded by Organon Sanofi-Synthelabo, L.L.C.

Marcrum

(Continued from page 1)

The impact was terrible. After the driver's bag deflated, I opened the door to get as far away from the truck as I could. Once free, I could hear the emergency vehicles coming while I was standing on the corner surveying the damage. When the Livonia Fire Department arrived, they took me to the emergency room.

Once I was in the ER, doctors checked for any damage from the air bag deployment. My right hand was in extreme pain at that time and my back was sore. After many X-rays of my right hand it was determined I had a fracture of the "Snuff box region." They put a cast on my hand and arranged for me to see an orthopaedic surgeon for follow-up care.

After a call to my internist, I was referred to **Dr. Thomas J. O'Keefe** of the **Ann Arbor Orthopedics** in Ypsilanti, Michigan. **Dr. O'Keefe** freed me from the cast, examined my hand, and advised I had a bruised radial nerve that should heal within six weeks. I was relieved.

Throughout this experience, my brother Dan, a retired Detroit Police Officer, who during his career had experienced some serious auto accidents, advised me to "wait this out — your body went through a lot at 35 mph. That is a violent crash to withstand." He was right -- it was violent, and the damage was significant. Six weeks after visiting **Dr. O'Keefe** for the first time, I put weight on my left leg to try walking normally and it gave way.

Initially, I thought I had stepped on a rock and lost my balance; when I stood up, I realized that I had difficulty walking because my left knee gave out. I returned to **Dr. O'Keefe**.

After two weeks on Day-Pro with no results, an arthroscopy was performed, and showed a great deal of damage, **Dr. O'Keefe** "cleaned it up" and told my Mom I would require "long time care."

After three months of physical therapy at the **University of Michigan's Med-Sport** facility at Domino Farms, in Ann Arbor, Michigan, the strength in my leg was restored and I was able to return to work.

A year later I experienced excruciating back pain that was not related to the accident. Unable to walk, sit, or even breathe properly, I phoned **Dr. O'Keefe** at 3:00 a.m. for guidance. I was taken to **St. Joseph Mercy** Emergency Room in Ann Arbor, where I spent the night. The next morning I was released with painkillers and told to return to **Dr. O'Keefe**.

Dr. O'Keefe referred me to **Dr. Mark Falahee** of the Michigan Brain and Spine Institute in the Michigan Orthopedic Center in Ypsilanti, Michigan. **Dr. Falahee** ordered the usual tests (X-rays, MRI, and a painful disc-o-gram). Those tests confirmed that I had damage to the L-5 and L-4 regions. The doctor recommended spinal surgery to correct the problem.

After minimal consideration, (pain being the determining factor), I elected to have the BAK implant surgery performed by **Dr. Falahee**. I viewed a video made by **Dr. Falahee** and his staff explaining what would be done, what I could expect, and the complications that could arise from this type of procedure. Since I had chronic back pain my whole life to that date, I was willing to undergo surgery to correct my problem.

(Continued on page 9)

Zimmer Awards

(Continued from page 1)

The Zimmer Orthopaedic Surgery Career Development Awards are designed to help develop the next generation of orthopaedic leaders by supporting surgeons who have a clinical or scientific interest in total joint surgery and trauma-related fracture treatment. The program is in its second year and represents a total to date of more than \$600,000 in unrestricted grants.



Dr. Russell D. Meldrum

"We are proud to have partnered with the OREF, the Gladden Society and the Jackson Society to extend our long-standing tradition of unrestricted support for activities that advance the science and

practice of orthopaedic medicine," said Zimmer Chairman and Chief Executive Officer Ray Elliott. "With the Career Development Award, we have chosen to focus our support for surgeons who are still early in their career with the hope that their best ideas can begin to influence orthopaedics today."

Winners of the 2002 awards are: **Thomas E. Brown, M.D.**, Department of Orthopaedic Surgery, University of Virginia; **Leesa M. Galatz, M.D.**, Department of Orthopaedic Surgery, Washington University at Barnes-Jewish Hospital; **Russell D. Meldrum, M.D.**, Indiana University; **Douglas D. R. Naudie, M.D.**, University of Western Ontario; **Robert Satcher, M.D., Ph.D.**, Northwestern Memorial Faculty Foundation—Orthopaedic Surgery; **John B. Sledge III, M.D.**, Boston University School of Medicine; and **Kristy L. Weber, M.D.**, Anderson Cancer Center.

Complete information about the program, criteria and the application process can be found on OREF's Web site at www.oref.org.

Marcrum

(Continued from page 8)

As a result of these events, I have experienced the following orthopaedic treatments:

- Arthroscopy of my left knee
- Three months of physical therapy
- Carpal tunnel release procedures on both hands
- BAK implants in L4 and L5 (spinal surgery)
- Spine surgery physical therapy
- A second arthroscopy of my left knee
- Use of a Don-Joy knee brace on my left knee

My experiences with orthopaedic medicine have been extensive, but probably no more or less dramatic than many others. Certainly it was less than some who have suffered more serious injuries. Yet, perhaps that is a reason I have chosen to become involved with the National Board and the Orthopaedic Research and Education Foundation. I know that somewhere in its history, OREF has funded research that led eventually to improved care in some of those areas, that researchers who got their start later made contributions to orthopaedic medicine by their later research and patient care, and that companies which support OREF have been involved in developing the tools and techniques that have helped me. They have helped millions of others, as well. The staff at OREF has a favorite phrase to share when they talk about how orthopaedic medicine improves the quality of life for all of us. They say, "It all begins with research." They're right - and that's why I'm not just a grateful - and active - patient. I'm also an OREF supporter. Sometime in the past people made gifts to OREF, and important research was done, and significant surgeons and orthopaedic leaders got their start as a result. Sometime in the past, the care that helped me all began with research.

Donors Honored at Crescent Court



Members of the Alfred R. Shands, Jr. Circle were honored during the Orthopaedic Research and Education Foundation's dinner at the Hotel Crescent Court Dallas on Tuesday, February 12, 2002. The annual black-tie gala allows OREF to thank and recognize the generosity of its members.

This year's dinner offered a 20-minute special recognition program honoring members of the orthopaedic community for their "commitment to excellence". OREF President and CEO **Gene R. Wurth** announced honorees as Board Chair **James R. Urbaniak, M.D.** presented plaques and



Dr. William and Mrs. Pat Tipton (Left) take a moment to pose for a photo at the Alfred R. Shands, Jr. Dinner with Dr. William and Mrs. Betty Sims.



the gratitude of the Foundation. **Harry E. Rubash, M.D.** was honored for his volunteer efforts for building the AOA Endowment. For their individual contributions, **Mr. and Mrs. L.D. Beard, Dr. and Mrs. Charles G. Caldwell, Dr. and Mrs. Richard D. Coutts, Dr. and Mrs. Zachary B. Friedenberg, Dr. Jorge O. Galante,**



Dr. Urbaniak (Left) and Gene Wurth (Right) present plaque to Mahendra Patel, M.D.

Dr. and Mrs. Dane Miller, Dr. and Mrs. Mahendra Patel, and Dr. and Mrs. Timothy Payne were also honored.

In addition, **Dick Tarr** accepted a plaque on behalf of DePuy, a Johnson & Johnson Co. **Charles Federico** accepted on behalf of Orthofix, Inc. **John Brown** accepted on behalf of Stryker Howmedica Osteonics, and **Roy Crowninshield** accepted on behalf of Zimmer, Inc.

Partnering with OREF

E. Anthony Rankin, M.D.

Treasurer

J. Robert Gladden Orthopaedic Society-A Society for Multicultural Orthopaedic Surgeons

The J. Robert Gladden Orthopaedic Society-A Society for Multicultural Orthopaedic Surgeons is an organization designed to meet the needs of minority orthopaedic surgeons, and to advance the ideals of excellent musculoskeletal care for all patients with particular attention to underserved groups. Education and the dissemination of knowledge are the core values of the JRGOS. We are presently a small organization with just over one hundred members and twenty-two candidate members. The small numbers of course are in large part the reason for our existence.



J. Robert Gladden, M.D., was the first African American to become board certified in the specialty of orthopaedic surgery. Although our organization was initially formed by African American orthopaedic surgeons, we recently reorganized to be more inclusive, welcoming all minority orthopaedists and others interested in our mission. Our leadership met last spring in Rosemont and held a Strategic Planning session under the direction of **Lawrence Rosenthal, Ph.D.**, Deputy Executive Vice President, AAOS. This generated great excitement in the Gladden Society and places us in an excellent position to assist the American Academy of Orthopaedic Surgeons as it seeks to foster diversity within the specialty and within the organization.

Just over a year ago OREF made a presentation at our Board meeting and advised us on fund raising. We subsequently established the J. Robert Gladden Orthopaedic Society Endowment Fund. This type of partnering is essential to the common goal we share of excellent musculoskeletal care for all. **Dr. Rosenthal** in a magnanimous gesture contributed all fees for the Strategic Planning to the Endowment Fund. His example was stimulus to further generosity and will always be remembered.

Specialty Society/OREF Partnerships

“A Win/Win Proposition”

By Laura Tosi, M.D.

The recent annual meeting of the Pediatric Orthopaedic Society of North America presented me with the opportunity to report on the results thus far of the partnership between POSNA and OREF. The partnership began in 1994 when OREF created the “designated giving” program.



Dr. Laura Tosi

So what are the facts?

- Since its founding in 1955, OREF has made over 1,200 grants totaling in excess of \$47 million. Of these totals, 120 grants and between over \$5 million has been for pediatric related research.

- Since 1992, OREF has funded 21 grants totaling over \$1.6 million for pediatric related research.
- These funds are in addition to the more than \$200,000 that has been given to OREF and directed specifically in support of the research and education activities of POSNA.
- In 1998, OREF introduced Mr. John Herklotz to POSNA and because he was excited by POSNA’s mission, he provided a challenge grant of \$250,000. The membership of POSNA responded

with contributions and pledges of over \$325,000 to meet his challenge. These funds, now totaling more than \$575,000, will serve as an endowment to support POSNA programs in perpetuity.

There is an additional benefit beyond the amount of funds raised. By working in partnership, duplication of effort and overhead cost is minimized. OREF provides the fundraising support, recognition of donors, ongoing communication with donors, grants management, and money management. POSNA can therefore dedicate all its efforts to programs for its members.

I believe you will agree that the return on the investment by POSNA is quite impressive. I suspect that the same is the case for most if not all of the specialty societies currently in partnership with OREF.



OREF is a supporter of the Bone and Joint Decade.

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OUR MISSION...

is the advancement of knowledge concerning the prevention and treatment of conditions affecting the musculoskeletal and related systems, and the maintenance of the general physical well-being of the individual.

One of the many objectives of the foundation is to foster, promote, support, augment, develop and encourage investigation into the causes, cure, and prevention of illnesses, injuries and conditions affecting the musculoskeletal system...



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