

Previous Distinguished
Visiting Professors

Dennis Wenger, M.D.	1993
University of California—San Diego	
Peter D. Pizzutillo, M.D.	1994
Thomas Jefferson University	
Russell F. Warren, M.D.	1995
Hospital for Special Surgery	
Jesse B. Jupiter M.D.	1996
Harvard/Massachusetts General Hospital	
Ronald L. DeWald, M.D.	1997
Rush-Presbyterian-St. Luke's Medical Center	
Roger A. Mann, M.D.	1998
University of California School of Medicine	
Peter Herberts, M.D., Ph.D.	1999
Goteborg University—Goteborg, Sweden	
Joseph M. Lane, M.D.	2000
Weill Medical College of Cornell University	
Paul R. Meyer, Jr., M.D.	2001
Northwestern University	
Frederick A. Matsen, III M.D.	2002
University of Washington	
Arthur L. Boland M.D.	2003
Harvard/Massachusetts General Hospital	
Marc F. Swiontkowski, M.D.	2004
University of Minnesota	
James N. Weinstein, M.D.	2005
Dartmouth Hitchcock Medical Center	
John J. Callaghan M.D.	2006
University of Iowa	
Michael J. Goldberg M.D.	2007
University of Washington	
Frank R. Noyes, M.D.	2008
Cincinnati Sports Medicine & Orthopedic Ctr.	
Frank J. Frassica, M.D.	2009
Johns Hopkins Medical Center	
Dror Paley M.D., FRCSC	2010
Paley Advanced Limb Lengthening Institute	
Scott H. Kozin M.D.	2011
Shriners Hospital for Children—Philadelphia	
Judith F. Baumhauer, M.D.	2012
University of Rochester	
J. Lawrence Marsh, M.D.	2013
University of Iowa	
Frank J. Eismont M.D.	2014
University of Miami	
Robert A. Arciero, M.D.	2015
University of Connecticut	

CLASS OF 2016 RUSH
ORTHOPEDIC SURGERY
RESIDENCY PROGRAM



Nicholas M. Brown M.D.
Adult Reconstruction Fellowship
Anderson Clinic, Alexandria, VA

Rachel M. Frank M.D.
Sports Medicine Fellowship
Rush University Medical Center, Chicago, IL

Michael D. Hellman, M.D.
Adult Reconstruction Fellowship
Washington University, St. Louis, MO

Bryan D. Haughom, M.D.
Adult Reconstruction Fellowship
Brigham and Women's Hospital, Boston, MA

Andrew J. Riff, M.D.
Sports Medicine Fellowship
Rush University Medical Center, Chicago, IL

CLASS OF 2016 ORTHOPEDIC SURGERY FELLOWS

Adult Reconstruction

Brian Culp, M.D.
Michael Flierl, M.D.
Dane Hansen, M.D., MPH
Uel Hansen, M.D.
David Kaufman, M.D.
Andrew Park, M.D.
Brian Park, M.D.

Foot and Ankle

Adam Bitterman, D.O.

Hand

Joseph Morgan, M.D.

Sports Medicine

Justin Griffin, M.D.
Timothy Leroux, M.D.
Eric Makhni, M.D.
Mark McCarthy, M.D.
Alexander Weber, M.D.

Shoulder and Elbow

Robert Thorsness, M.D.

Spine

Gregory Lopez, M.D.
Grant Shiflett, M.D.
Alem Yacob, M.D.

Primary Care Sports Medicine

Jeremy Alland, M.D.

28th
Annual
Thesis Day

Friday
June 17, 2016
8:00 a.m.—4:30 p.m.

**Searle Conference Center
Room 542 Brainard**

The Fred Shapiro M.D.
Visiting Professor

R. Lor Randall, M.D., FACS

**Professor of Orthopaedics and
The L.B. & Olive S. Young
Endowed Chair for Cancer Research
Director of Sarcoma Services at the
University of Utah's Huntsman**

Scientific Program

The Fred Shapiro, M.D. Visiting Professor

R. Lor Randall, M.D., FACS



R. Lor Randall, MD, FACS, is the Director of Sarcoma Services at the University of Utah's Huntsman Cancer Institute and Primary Children's Hospital. Dr. Randall is a Professor of Orthopaedics and The L.B. & Olive S. Young Endowed Chair for Cancer Research. He has a busy quaternary referral clinical practice specializing in musculoskeletal surgical oncology. Dr. Randall is also the Medical Director, Surgical Services at Huntsman Cancer Hospital and Co-Directs the Huntsman-Intermountain Adolescent & Young Adult Oncology Program. As an active researcher, he leads the Sarcoma Disease Oriented Research Team overseeing collaborative, cross-department research budgets. The Sarcoma Services at HCI, because of its comprehensive experience in sarcomas, is continually developing and refining institutional based research and treatment protocols to improve the outcome in these rare but highly malignant conditions. HCI is a SARC participant and is also very active in the Children's Oncology Group.

Dr. Randall came to Huntsman Cancer Institute in 1998 after completing a fellowship in musculoskeletal oncology at the University of Washington-Fred Hutchinson-Seattle Children's Cancer Care Alliance. He graduated from Yale University School of Medicine in 1992 and completed a residency in orthopedic surgery at the University of California, San Francisco. Dr. Randall's clinical and research efforts have been recognized internationally. Among his honors, he is the recipient of the Association of Bone and Joint Surgeons' Musculoskeletal Tumor Society Scholar Award as well as Best Paper Award and has been invited as an American-British-Canadian Traveling Fellow. He has also been asked to speak internationally on a variety of sarcoma related topics. He is past president of the Connective Tissue Oncology Society and presently serves as the Chair of Orthopaedic Surgery for the Children's Oncology Group. He holds leadership positions in multiple national and international oncology and surgical societies including the National Comprehensive Cancer Network, Musculoskeletal Tumor Society, Children's Oncology Group, Interurban Orthopaedic Society and the Association of Bone and Joint Surgeons. He is a Fellow of the American College of Surgeons and is the author of hundreds of scientific manuscripts, book chapters and abstracts in the field of sarcoma surgery and biology.

FRED SHAPIRO, M.D., 1904-1976

Fred Shapiro, M.D. was born on August 14, 1904. He attended the University of Illinois and obtained his M.D. degree in 1931.

He was an intern at Cook County Hospital from 1930 to 1931. He was an Associate in Orthopedic Surgery at Cook County Hospital from 1931 to 1941. He joined the Marine Corp and served from 1941 to 1945 in the South Pacific. He was discharged as a Captain. He received the Legion of Honor in combat and a presidential Unit Citation.

Dr. Shapiro was an attending Orthopedic Surgeon at Cook County Hospital from 1945 until his death on August 5, 1976. He was an Associate at the Central Free Dispensary from 1931.

His academic appointment included Clinical Assistant from 1931-1941, Instructor 1945-1946, Assistant Clinical Professor, Associate Clinical Professor at the University of Illinois, and an Associate Professor of Orthopedic Surgery at Rush-Presbyterian-St. Luke's Medical Center.

In 1976, Dr. Fred Shapiro became a Professor Emeritus in the Department of Orthopedic Surgery at Rush-Presbyterian-St. Luke's Medical Center. He was instrumental in developing the Cook County Hospital as an Orthopedic Teaching Unit. He was in charge of that program for several years. He developed the University Residency Affiliated Orthopedic Program there.

Each year an outstanding, world renowned, Orthopedic Surgeon is chosen to be The Fred Shapiro, M.D. Distinguished Visiting Professor. This year R. Lor Randall, M.D. has the honor.

8:00 a.m. WELCOME
Howard S. An, M.D., Thesis Day Chairman
Joshua J. Jacobs, M.D., Department Chairman

8:05 a.m. CASE PRESENTATIONS*
Moderators: Steven Gitelis, MD, Matthew Colman, MD, Monica Kogan, MD
*8:50 Special Presentation "Chemotherapy Responses in Osteosarcoma"
by Dr. Carl Maki, Associate Professor, Dept. of Anatomy and Cell Biology

FELLOW PRESENTATIONS

Adult Reconstruction
Aaron G. Rosenberg, M.D., Moderator

9:05 a.m. BRIAN CULP, M.D.
"Rotating Hinge Implants For Complex Primary and Revision Total Knee Arthroplasty"

9:12 a.m. MICHAEL FLIERL, M.D.
"Antibiotic-impregnated calcium sulfate beads fail to improve Outcome of Irrigation and Debridement in Acute Periprosthetic Joint Infection"

9:19 a.m. BRIAN PARK, M.D.
"A Comparison of Augments and Jumbo Cups for the Management of Type 3A Acetabular Defects"

9:26 A.M. BREAK

**9:40 a.m. Introduction of Visiting Professor: Dr. Steven Gitelis
The Fred Shapiro, M.D. Visiting Professor
R. Lor Randall M.D., FACS**
"Sarcomatology—A Transdisciplinary Approach"

10:10 A.M. BREAK

Sports Medicine
Brian Forsythe M.D., Moderator

10:25 a.m. JEREMY ALLAND, M.D.
"Randomized Prospective Clinical Analysis of Ultrasound-guided vs. Landmark-guided Biceps Corticosteroid Injections"

10:32 a.m. JUSTIN GRIFFIN, M.D.
"Biceps Tenodesis is a Viable Option for Management of Proximal Biceps Injuries in Patients Less than 25 Years of Age"

10:39 a.m. ERIC MAKHNI, M.D.
"Patient Compliance with Electronic Patient Reported Outcomes: a Cohort Study"

10:46 a.m. ALEXANDER WEBER, M.D.
"Does Bone Plug and Graft Orientation Affect Native Femoral Footprint Coverage in Anterior Cruciate Ligament Reconstruction?"

Spine
Matthew Colman, M.D., Moderator

10:53 A.M. GRANT SHIFFLETT, M.D.
"Degenerative Cervical Spondylolisthesis: Does Adjacent Level Surgical Stabilization Result In Progressive Listhesis?"

11:00 A.M. ALEM YACOB, M.D.
"Anatomic Imaging Study of the Psoas muscle, Lumbar Plexus and Iliac Vessel Anatomic Variation at L4-5 for Purposes of the Lateral Transpsoas Lumbar Interbody Fusion"

11:07 A.M. GREGORY LOPEZ, M.D.
"Intraoperative Osteotomy Decision-making for Adult Spinal Deformity: Is a three column osteotomy routinely necessary for sagittal imbalance greater than 12 cm?"

Foot and Ankle
George B. Holmes, Jr., M.D., Moderator

11:14 A.M. ADAM BITTERMAN, D.O.
"Time Related Effects of Non-steroidal Anti-inflammatory Drugs on Achilles Tendinopathy in a Murine Model"

END OF MORNING SESSION

1:00 p.m. INTRODUCTION
Joshua J. Jacobs, M.D., Department Chairman

CHIEF PRESENTATIONS
Monica Kogan, M.D., Moderator
Director, Orthopedic Surgery Residency Program

1:05 P.M. BRYAN HAUGHOM, M.D.
"Do Mortality and Complication Rates Differ between Periprosthetic and Native Hip Fractures?"

1:15 P.M. ANDREW RIFF, M.D.
"Comparison of Autologous Chondrocyte Implantation and Osteochondral Allograft Transplantation for Treatment of Chondral Lesions of the Femoral Condyle following failed Marrow Stimulation"

1:25 P.M. NICHOLAS BROWN, M.D.
"The Use of Structural Distal Femoral Allografts for Acetabular Reconstruction at an Average 21 Years of Follow-up"

1:35 P.M. RACHEL FRANK, M.D.
"Shoulder Instability: Can we do better?"

1:45 P.M. MICHAEL HELLMAN, M.D.
"Pelvic Incidence and Femoroacetabular Impingement"

1:55 p.m. BREAK

**2:10 p.m. The Fred Shapiro, M.D. Visiting Professor
R. Lor Randall M.D., FACS**
"Compressive Osteointegration in Limb Salvage Surgery"

2:40 p.m. BREAK

FELLOW PRESENTATIONS

Hand
Mark S. Cohen, M.D., Moderator

2:55 P.M. JOSEPH MORGAN, M.D.
"Clinical and Educational Usefulness of a Surgical Indications Conference in a Hand and Upper Extremity Surgery Training Program – Preliminary Results"

Sports Medicine
Shane J. Nho, M.D., Moderator

3:02 P.M. ROBERT THORSNESS, M.D.
"Structural Bone Grafting in Reverse Total Shoulder Arthroplasty: Clinical and Radiographic Outcomes with a Novel Graft Classification Based on Glenoid Defect"

3:09 P.M. MARK MC CARTHY, M.D.
"Effectiveness of Lavage Techniques in Removing Immunogenic Elements from Osteochondral Allografts"

3:16 P.M. TIMOTHY LEROUX, M.D.
"The Influence of Evidence-Based Surgical Indications and Techniques on the Failure Rate Following Arthroscopic Shoulder Stabilization in the Contact or Collision Athlete with Anterior Shoulder Instability"

Adult Reconstruction
Craig J. DellaValle, M.D., Moderator

3:23 P.M. ANDREW PARK, M.D.
"Use of the Single Assessment Numeric Evaluation (SANE) in Knee Arthroplasty"

3:29 P.M. DANE HANSEN, M.D.
"Single-dose Lidocaine Spinal Anesthesia in Outpatient Hip and Knee Arthroplasty"

3:36 P.M. DAVID KAUFMAN, M.D.
"Indication for Readmission After Total Joint Arthroplasty: Review of a the National Surgical Quality Improvement Program (NSQIP) Database"

3:43 p.m. CLOSING REMARKS AND AWARD PRESENTATION