University in St. Louis

Department of Orthopaedic Surgery

Orthopaedic surgery is concerned with the injuries, diseases and conditions of the musculoskeletal system. The WUSM III rotation in Musculoskeletal Surgery & Medicine exposes the student to multiple aspects of orthopaedic surgery; this rotation includes experiences ranging from the care of patients in the emergency department, operating room, and clinical practice in the outpatient and inpatient ward.

Website: http://www.ortho.wustl.edu

Degrees & Requirements

While the Department of Orthopaedic Surgery does not offer its own degree, some of the department’s courses are open to students in the MD and MSTP (MD/PhD) programs. Further information about the MD and MSTP degrees can be found in the Degrees & Programs Offered (http://bulletin.wustl.edu/prior/2017-18/medicine/degrees) section of this Bulletin.

Research

M95 Surgery 900

Various orthopaedic surgery research opportunities are available with the following faculty attendings. If interested, please contact the Education Office at 314-747-2543, email orthsurg@wudosis.wustl.edu or contact the faculty member directly.

Yousef Abu-Amer, PhD
Robert L. Barrack, MD
Robert Brophy, MD
Jacob M. Buchowski, MD, MS
Ryan Calfee, MD
Aaron Chamberlain, MD
John Clohisy, MD
Matthew Dobbs, MD
Richard H. Gelberman, MD
Charles A. Goldfarb, MD
Eric Gordon, MD
Munish Gupta, MD
Michael Kelly, MD
Sandra Klein, MD
Scott J. Luhmann, MD
Matthew J. Matava, MD
Chris McAndrew, MD
Mark Miller, MD
Jeff Nepple, MD
Regis O’Keefe, MD
Daniel Osei, MD
Linda Sandell, PhD
Perry Schoenecker, MD

Matt Silva, PhD
Matthew Smith, MD
Lindley B. Wall, MD
Rick Wright, MD

Faculty

Department Chair
Regis O’Keefe, MD, PhD

Visit our website for more information about our faculty (http://www.ortho.wustl.edu/content/Patient-Care/2295/Find-a-Physician/Physician-Directory.aspx) and their appointments.

A

Yousef Abu-Amer, PHD, MS
Professor of Orthopaedic Surgery (primary appointment)
Professor of Cell Biology and Physiology
BS Hebrew University 1985
PHD Hebrew University 1993
MS Hebrew University 1987

Muyibat A Adelani, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 2008

Alexander William Aleem, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Johns Hopkins University 2006
MD Washington Univ in St. Louis 2010

B

Robert L Barrack, MD
Charles F and Joanne Knight Distinguished Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 1980

Donald R Bassman, MD
Instructor in Clinical Orthopaedic Surgery (primary appointment)
BA Washington Univ in St. Louis 1971
MD Washington Univ in St. Louis 1975

Terra Rupert Blatnik, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Case Western Reserve Univ 2007
BS Allegheny College 2003

Ljiljana Bogunovic, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Cornell University 2009

Martin I Boyer, MS, MD
Carol B and Jerome T Loeb Professor of Orthopaedic Surgery (primary appointment)
MS University of Toronto 1993  
MD University of Toronto 1988

**Keith Happ Bridwell, MD**  
J Albert Key Distinguished Professor of Orthopaedic Surgery (primary appointment)  
Professor of Neurological Surgery  
BA Washington Univ in St. Louis 1973  
MD Washington Univ in St. Louis 1977

**David Micah Brogan, BE, MS1, MS, MD**  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
BE Vanderbilt University 2003  
MS1 University of London 2005  
MS University College London 2004  
MD Washington Univ in St. Louis 2009

**Robert Henry Brophy IV, MD, MS**  
Professor of Orthopaedic Surgery (primary appointment)  
MD Washington Univ in St. Louis 2001  
MS Stanford University 1995  
BS Stanford University 1994  
BA Stanford University 1994

**Jacob M Buchowski, MD, MS**  
Professor of Orthopaedic Surgery (primary appointment)  
Professor of Neurological Surgery  
BS Yale University 1996  
MD Johns Hopkins University 2000  
MS Yale University 1996

**Ryan Patrick Calfee, MD**  
Associate Professor of Orthopaedic Surgery (primary appointment)  
MD Washington Univ in St. Louis 2001  
BS University of Virginia 1997

**Aaron Mark Chamberlain, B MUS, MD**  
Associate Professor of Orthopaedic Surgery (primary appointment)  
B MUS University of Utah 2002  
MD University of CA San Francisco 2006

**Cara Alessandra Cipriano, MD**  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
BS Williams College 2003  
MD University of Pennsylvania 2007

**John C Clohisy, MD**  
Daniel C. and Betty B. Viehmann Distinguished Professor of Orthopaedic Surgery (primary appointment)  
MD Northwestern University 1989  
BA Northwestern University 1985

**Berdale S. Colorado, MS, DOST**  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
Assistant Professor of Neurology  
MS Des Moines University 2009  
BS University of Iowa 2004  
DOST Des Moines University 2009

**Laura C DePalma, DOST**  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
DOST Phil Coll of Osteopathic Med 2009

**Matthew Barrett Dobbs, MD**  
Dr Asa C and Mrs Dorothy W Jones Professorship in Orthopaedic Surgery (primary appointment)  
MD University of Iowa 1995  
BS University of Notre Dame 1991

**Christopher J. Dy, MD, M PH**  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
MD University of Miami 2008  
BS University of Miami 2004  
M PH University of Miami 2008

**Kelly Eileen Estes, MPH, MS, MD**  
Assistant Professor of Orthopaedic Surgery (primary appointment)  
Assistant Professor of Emergency Medicine in Medicine  
MPH Wright State University 2012  
BS Kalamazoo College 2005  
MS Columbia University 2016  
MD Wright State University 2012

**Lawrence Glennon Evans Jr**  
Instructor in Orthopaedic Surgery (primary appointment)

**Roberta Faccio, PHD**  
Professor of Orthopaedic Surgery (primary appointment)  
Professor of Cell Biology and Physiology  
PHD University of Bari 2000

**Richard H Gelberman, MD**  
Professor of Orthopaedic Surgery (primary appointment)  
MD University of Tennessee 1969  
BA University of North Carolina 1965

**Charles A Goldfarb, MD**  
Professor of Orthopaedic Surgery (primary appointment)  
BA Williams College 1992  
MD University of Alabama 1996

**J. Eric Gordon, MD**
Farshid Guilak, MPH, MS, PHD
Professor of Orthopaedic Surgery (primary appointment)
Professor of Biomedical Engineering
Professor of Development Biology
BS Rensselaer Poly Institute 1985
MPH Columbia University 1990
MS Rensselaer Poly Institute 1987
PHD Columbia University 1992

Munish C Gupta, MD
Mildred B. Simon Distinguished Professor of Orthopaedic Surgery (primary appointment)
MD Northwestern University Med 1986
BS Northwestern University 1982

Mark E. Halstead, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Pediatrics
MD Univ of Wisconsin Madison 1998
BS Univ of Wisconsin Madison 1994

Damon Joseph Louis Hays, MD
Instructor in Clinical Orthopaedic Surgery (primary appointment)
BS Truman State University 1998
MD Ohio University 2003

Pooya Hosseinzadeh, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Isfahan U of Medical Sciences 2004

Devyani M. Hunt, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurology
BS University of Texas Austin 1995
MD University of Texas Houston 2000

Jeffrey E Johnson, MD
Professor of Orthopaedic Surgery (primary appointment)
BA Duke University 1976
MD Georgetown University 1980

Jay Donovan Keener, MD
Professor of Orthopaedic Surgery (primary appointment)
BS West Virginia University 1991
MD West Virginia University 1998

Michael Patrick Kelly, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurological Surgery
MD University of Massachusetts 2005
BS Boston College 1999

Brian Adams Kelly, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
BA Williams College 2002
MD Columbia University 2009

Sandra E. Klein, BE, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BE University of Missouri 1994
MD Washington Univ in St. Louis 2001

Robert S Kramer, MD
Instructor in Clinical Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 1983
BA Harvard University 1979

Fanxin Long, PHD, MA
Professor of Orthopaedic Surgery (primary appointment)
Professor of Developmental Biology
Professor of Medicine
PHD Tufts University 1997
MA University of CA Santa Barbara 1992
BS Beijing University 1988

Scott J Luhmann, MD
Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurological Surgery
BA Gustavus Adolphus College 1986
MD University of Minnesota 1991

Paul Sherman Lux, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Tulane University 1983

Jeffrey Wackher Martin, MD
Associate Professor in Orthopaedic Surgery (primary appointment)
MD Case Western Reserve Univ 1981

Matthew J Matava, MD
Professor of Orthopaedic Surgery (primary appointment)
Professor of Physical Therapy
BA University of MO Kansas City 1986
MD University of MO Kansas City 1987

Audrey McAlinden, PHD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Cell Biology and Physiology
PHD University of London 1998

Christopher M McAndrew, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD University of Tennessee 2004

Sarah Howe McBride, MS, PHD
Adjunct Instructor in Orthopaedic Surgery (primary appointment)
BS Clemson University 2004
MS Case Western Reserve Univ 2008
PHD Case Western Reserve Univ 2011

Jeremy James McCormick, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Loyola University Chicago 2003
BS Dartmouth College 1999

Douglas J. McDonald, MD
Professor of Orthopaedic Surgery (primary appointment)
BS St Johns University 1978
MD University of Minnesota 1982

John P Metzler, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurology
MD University of Texas Galveston 1995
BS Texas A&M University 1991

Gary Arthur Miller, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BA University of Chicago 1973
MD Jefferson Medical College 1977

Mark L. Miller, MD, BE
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Harvard University 2008
BE Stanford University 2004

Anna Noel Miller, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
BA Rice University 2001
MD Baylor University 2005

Jeffrey Jerome Nepple, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 2007
BS Truman State University 2003

Ryan M. Nunley, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD University of North Carolina 2002
BA Vanderbilt University 1998

Regis James O'Keefe, MD, PHD
Fred C Reynolds Professor of Orthopaedic Surgery (primary appointment)
Head of the Department of Orthopaedic Surgery
MD Harvard University 1985
BA Yale University 1981
PHD University of Rochester 2000

Nathan P Olafsen, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
MD University of MO Columbia 2012

Cecilia Pascual Garrido, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Universidad del Buenos Aires 2000

Debabrata Patra, PHD, MS
Associate Professor of Orthopaedic Surgery (primary appointment)
PHD University of Pittsburgh 1993
MS University of Bombay 2005
BS University of Bombay 1985

Terrence L Piper, MD
Assistant Professor of Clinical Orthopaedic Surgery (primary appointment)
BA Saint Louis University 1971
MD Saint Louis University 1975

Heidi Prather, DOST
Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurology
BA Drury College 1987
DOST Univ of Health Sciences KC 1991

Muhammad Farooq Rai, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
PHD Freie University 2008

Elizabeth Yanik Rowlands, MD, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS University of Maryland 2007
MD Johns Hopkins University 2009
PHD University of North Carolina 2013

S

Linda J Sandell, PHD, MS
Mildred B Simon Research Professor of Orthopaedic Surgery
(primary appointment)
Professor of Cell Biology and Physiology
PHD Northwestern University 1980
BA University of Denver 1969
MS University of Denver 1971

Perry Lee Schoenecker, MD
Professor of Orthopaedic Surgery (primary appointment)
BS Univ of Wisconsin Madison 1964
MD Univ of Wisconsin Madison 1968

Hua Shen, MS, PHD, MD
Instructor in Orthopaedic Surgery (primary appointment)
MS Chinese Academy of Med Science 1996
PHD University of Konstanz 2002
MD Capital U of Medical Sciences 1991

Jie Shen, MS, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Nanjing University 2005
MS University of Rochester 2011
PHD University of Rochester 2012

Matthew J Silva, ME, PHD
Julia and Walter R Peterson Professor of Orthopaedic Research
(primary appointment)
Assistant Professor of Biomedical Engineering
ME Cornell University 1984
BS Cornell University 1982
PHD Mass Inst of Technology (MIT) 1996

Scott A. Simpson, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
MD University of Rochester 2010
BA Columbia University 2005

Matthew Vernon Smith, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Virginia Comm University 2002

Instructor in Orthopaedic Surgery (primary appointment)
PHD CENTRAL DRUG RESEARCH INSTITUT 2011

T

Chi-Tsai Tang, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
MD University of North Carolina 2004

Simon Tang, MS, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MS Rensselaer Poly Institute 2005
BS University of CA Berkeley 2003
PHD Rensselaer Poly Institute 2007

W

Lindley Bevelle Wall, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 2006
BS Duke University 2002

Devin Ray Willis, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Ross Univ School of Medicine 2013

Rick Wayne Wright, MD
Jerome J Gilden MD Distinguished Professor of Orthopaedic Surgery
(primary appointment)
BS University of Missouri 1984
MD University of Missouri 1988

Y

Ken Yamaguchi, MD, MS
Professor of Orthopaedic Surgery (primary appointment)
BA University of California 1983
MD George Washington University 1989
MS University of California 1985

Z

Lukas P Zebala, MD
Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurological Surgery
MD University of Chicago 2004
BS Northwestern University 1998

Courses

For course information, please visit the Surgery page (http://bulletin.wustl.edu/prior/2017-18/medicine/departments/surgery/#courses) of this Bulletin.