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 emergency department, 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/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 the orthopaedic surgery department (orphsurg@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 Neppe, MD
Regis O'Keefe, 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, MS, PHD
Professor of Orthopaedic Surgery (primary appointment)
Professor of Cell Biology and Physiology
MS Hebrew University 1987
PHD Hebrew University 1993
BS Hebrew University 1985

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)
MD Washington Univ in St. Louis 2010
BS Johns Hopkins University 2006

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)
MD Washington Univ in St. Louis 1975
BA Washington Univ in St. Louis 1971

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

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

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

Jacob M Buchowski, MD, MS
Professor of Orthopaedic Surgery (primary appointment)
Professor of Neurological Surgery
MD Johns Hopkins University 2000
BS Yale University 1996
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
BS University of Iowa 2004
MS Des Moines University 2009
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)
BS University of Notre Dame 1991
MD University of Iowa 1995

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

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

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)
BA University of North Carolina 1965
MD University of Tennessee 1969

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

J. Eric Gordon, MD
Professor of Orthopaedic Surgery (primary appointment)
MD University of CA Davis 1988
Farshid Guilak, PhD, MS, MPH  
Professor of Orthopaedic Surgery (primary appointment)  
Professor of Biomedical Engineering  
Professor of Development Biology  
PHD Columbia University 1992  
BS Rensselaer Poly Institute 1985  
MS Rensselaer Poly Institute 1987  
MPH Columbia University 1990  

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  
BS Boston College 1999  
MD University of Massachusetts 2005  

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

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

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

Adam J. LaBore, MD  
Associate Professor of Orthopaedic Surgery (primary appointment)  

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

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

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  

Michael Patrick Kelly, MD  
Associate Professor of Orthopaedic Surgery (primary appointment)  

Associate Professor of Neurological Surgery  
BS Boston College 1999  
MD University of Massachusetts 2005  

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

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

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

Adam J. LaBore, MD  
Associate Professor of Orthopaedic Surgery (primary appointment)  

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

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

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)  
MS Case Western Reserve Univ 2008  
BS Clemson University 2004  
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  
BS Texas A&M University 1991  
MD University of Texas Galveston 1995

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

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

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

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

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

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

Nathan P Olfson, 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)  
MD Saint Louis University 1975  
BA Saint Louis University 1971

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)  
MD Johns Hopkins University 2009  
BS University of Maryland 2007  
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  
MS University of Denver 1971  
BA University of Denver 1969

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

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  
BA Columbia University 2005  
MD University of Rochester 2010

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

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

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)  
MD University of Missouri 1988  
BS University of Missouri 1984

Y

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

Z

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

Courses

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