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 (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 Neppe, MD
Regis O'Keefe, MD
Linda Sandell, Ph.D
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
BS Hebrew University 1985
PHD Hebrew University 1993

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

Marchall Brantling Berkes, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Vanderbilt University 2008

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

Robert Henry Brophy IV, MS, MD
Professor of Orthopaedic Surgery (primary appointment)
MS Stanford University 1995
MD Washington Univ in St. Louis 2001
BA Stanford University 1994
BS 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)
BS University of Virginia 1997
MD Washington Univ in St. Louis 2001

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

Abby Ling Lee Cheng
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS Washington Univ in St. Louis 2009

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

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, DOST, MS
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
DOST Des Moines University 2009
BS University of Iowa 2004
MS 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, M PH, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
M PH University of Miami 2008
MD University of Miami 2008
BS University of Miami 2004

Kelly Eileen Estes, MD, MS, MPH
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Emergency Medicine in Medicine
BS Kalamazoo College 2005
MD Wright State University 2012
MS Columbia University 2016
MPH 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
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)
BS Univ of Wisconsin Madison 1994
MD Univ of Wisconsin Madison 1998

Jeremy A Hartman, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Saint Louis University 2013

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
MD University of Texas Houston 2000
BS University of Texas Austin 1995

J

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

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

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
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)
Associate Professor of Neurology
BS Louisiana College 1994
MD Loyola University Chicago 1998

Charles Murray Lawrie, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Baylor College of Medicine 2012

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
M

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

N

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
Assistant Professor of Orthopaedic Surgery (primary appointment)
MD University of North Carolina 2002
BA Vanderbilt University 1998

Regis James O'Keeffe, 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 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
BS University of Bombay 1985
MS University of Bombay 2005

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

R

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

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

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

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, MS, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
BS University of CA Berkeley 2003
MS Rensselaer Poly Institute 2005
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, MS, MD
Professor of Orthopaedic Surgery (primary appointment)
MS University of California 1985
MD George Washington University 1989
BA University of California 1983

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/medicine/departments/surgery/#courses) of this Bulletin.