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/medicine/degrees) section of this Bulletin.

Research

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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
PHD Hebrew University 1993
MS Hebrew University 1987
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)
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)
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, MD, MS
Carol B and Jerome T Loeb Professor of Orthopaedic Surgery (primary appointment)
MD University of Toronto 1988
MS University of Toronto 1993

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

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

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

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
Assistant Professor of Orthopaedic Surgery (primary appointment)
B MUS University of Utah 2002
MD University of CA San Francisco 2006

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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, 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 (Pending Executive Faculty Approval) (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

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Instructor in Clinical Orthopaedic Surgery (primary appointment)

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

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

J. Eric Gordon, MD
Professor of Orthopaedic Surgery (primary appointment)
BS University of California 1983
MD University of CA Davis 1988

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Professor of Orthopaedic Surgery (primary appointment)
Professor of Biomedical Engineering
Professor of Development Biology
PHD Columbia University 1992
MS Rensselaer Poly Institute 1987
MPH Columbia University 1990
BS Rensselaer Poly Institute 1985

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
BS Univ of Wisconsin Madison 1994
MD Univ of Wisconsin Madison 1998

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

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

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Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurology
BS University of Texas Austin 1995
MD University of Texas Houston 2000

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Professor of Orthopaedic Surgery (primary appointment)
MD Georgetown University 1980
BA Duke University 1976

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Associate Professor of Orthopaedic Surgery (primary appointment)

MD West Virginia University 1998
BS West Virginia University 1991

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

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Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurological Surgery
BS Boston College 1999
MD University of Massachussetts 2005

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

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BA Harvard University 1979

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Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Neurology
BS Louisiana College 1994
MD Loyola University Chicago 1998

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MD University of Illinois 1972
BA University of Michigan 1968

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

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Professor of Orthopaedic Surgery (primary appointment)
MD University of Minnesota 1991
BA Gustavus Adolphus College 1986

Paul Sherman Lux, MD
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MD Tulane University 1983
M

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MD Case Western Reserve Univ 1981

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Professor of Orthopaedic Surgery (primary appointment)
Professor of Physical Therapy
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Associate Professor of Orthopaedic Surgery (primary appointment)
Associate Professor of Cell Biology and Physiology
PHD University of London 1998

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MD University of Tennessee 2004

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

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

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

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Associate Professor of Neurology
BS Texas A&M University 1991
MD University of Texas Galveston 1995

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

Gary Arthur Miller, MD
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BA University of Chicago 1973
MD Jefferson Medical College 1977

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Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Harvard University 2008
BE Stanford University 2004

N

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

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MD University of North Carolina 2002
BA Vanderbilt University 1998

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

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Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Neurology
MD University of MO Columbia 2012

P

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MD Universidad del Buenos Aires 2000

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

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

**R**

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Assistant Professor of Orthopaedic Surgery (primary appointment)
PHD Freie University 2008

**Elizabeth Yanik Rowlands, PHD, MD**
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PHD University of North Carolina 2013
BS University of Maryland 2007
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**S**

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

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

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

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BS Nanjing University 2005
MS University of Rochester 2011
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Instructor in Clinical Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 1969
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Julia and Walter R Peterson Professor of Orthopaedic Research (primary appointment)
Assistant Professor of Biomedical Engineering
ME Cornell University 1984
PHD Mass Inst of Technology (MIT) 1996
BS Cornell University 1982

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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

**James W Strickland, MD**
Visiting Professor of Orthopaedic Surgery (primary appointment)
MD Indiana University 1962
BS Indiana University Bloomington 1958

**T**

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

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BS University of CA Berkeley 2003
PHD Rensselaer Poly Institute 2007
MS Rensselaer Poly Institute 2005

**V**

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Instructor in Clinical Orthopaedic Surgery (primary appointment)
MD Medical College of Ohio 1978

**W**

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MD Washington Univ in St. Louis 2006
BS Duke University 2002

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Assistant Professor of Orthopaedic Surgery (primary appointment)
MD Ross Univ School of Medicine 2013

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

**Y**

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MD George Washington University 1989
Z

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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.