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

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
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)
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
<th>Year</th>
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<tbody>
<tr>
<td>Keith Happ Bridwell, MD</td>
<td>J Albert Key Distinguished Professor of Orthopaedic Surgery</td>
<td>University of Toronto</td>
<td>1988</td>
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<tr>
<td></td>
<td>Professor of Neurological Surgery</td>
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<td>BA Washington Univ in St. Louis 1973</td>
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<td>MD Washington Univ in St. Louis 1977</td>
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<tr>
<td>David Micah Brogan, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
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<td></td>
<td>MD Washington Univ in St. Louis 2009</td>
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<td>MS University College London 2004</td>
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<td>MS1 University of London 2005</td>
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<tr>
<td>Robert Henry Brophy IV, MS, MD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
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<td></td>
<td>MS Stanford University 1995</td>
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<td>Jacob M Buchowski, MS, MD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>Ryan Patrick Calfee, MD</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>MD Washington Univ in St. Louis 2001</td>
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<td>Aaron Mark Chamberlain, B MUS, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>B MUS University of Utah 2002</td>
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<td>MD University of CA San Francisco 2006</td>
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<td>Cara Alessandra Cipriano, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
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<td></td>
<td>BS Williams College 2003</td>
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<td>MD University of Pennsylvania 2007</td>
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<td>John C Clohisy, MD</td>
<td>Daniel C. and Betty B. Viehmann Distinguished Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>MD Northwestern University 1989</td>
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<td>Berdale S. Colorado, DOST, MS</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>Assistant Professor of Neurology</td>
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<td>DOST Des Moines University 2009</td>
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<td>Laura C DePalma, DOST</td>
<td>Assistant Professor of Orthopaedic Surgery (Pending Executive Faculty Approval) (primary appointment)</td>
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<td>DOST Phil Coll of Osteopathic Med 2009</td>
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<td>Matthew Barrett Dobbs, MD</td>
<td>Dr Asa C and Mrs Dorothy W Jones Professorship in Orthopaedic Surgery (primary appointment)</td>
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<td>BS University of Notre Dame 1991</td>
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<td>Robert Kelso Duddy</td>
<td>Instructor in Clinical Orthopaedic Surgery (primary appointment)</td>
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<td>Christopher J. Dy, M PH, MD</td>
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<td>M PH University of Miami 2008</td>
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<td>Kelly Eileen Estes, MPH, MS, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>Lawrence Glennon Evans Jr</td>
<td>Instructor in Orthopaedic Surgery (primary appointment)</td>
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<td>Roberta Faccio, PHD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>Richard H Gelberman, MD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
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<td>BA University of North Carolina 1965</td>
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<td>Charles A Goldfarb, MD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
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J. Eric Gordon, MD
Professor of Orthopaedic Surgery (primary appointment)
BS University of California 1983
MD University of CA Davis 1988

Farshid Guilak, PHD, MS, MPH
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MD Case Western Reserve Univ 1981

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MD University of MO Kansas City 1987

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Associate Professor of Cell Biology and Physiology
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Assistant Professor of Orthopaedic Surgery (primary appointment)
MD University of Tennessee 2004

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

Jeremy James McCormick, MD
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

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

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

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

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

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, PHD, MD
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

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)
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**

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

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

**S**

Linda J Sandell, PHD, MS  
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

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

John Joseph Sheridan, MD  
Instructor in Clinical Orthopaedic Surgery (primary appointment)  
MD Washington Univ in St. Louis 1969  
BA University of Notre Dame 1965

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  
PHD Mass Inst of Technology (MIT) 1996  
BS Cornell University 1982

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

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

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

**V**

Harry John Visser, MD  
Instructor in Clinical Orthopaedic Surgery (primary appointment)  
MD Medical College of Ohio 1978

**W**

Lindley Bevelle Wall, MD  
Assistant 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  
BA University of California 1983
MS University of California 1985

Z

Lukas P Zebala, MD
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant 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.