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

**Robert Henry Brophy IV, MD, MS**
Professor of Orthopaedic Surgery (primary appointment)
MD Washington Univ in St. Louis 2001
BA Stanford University 1994
MS Stanford University 1995
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, B MUS, MD**
Assistant 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)
BA Northwestern University 1985
MD Northwestern University 1989

**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 (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)
MD University of Iowa 1995
BS University of Notre Dame 1991

**Robert Kelso Duddy**
Instructor in Clinical Orthopaedic Surgery (primary appointment)

**Kelly Eileen Estes, MPH, MD, MS**
Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant Professor of Emergency Medicine in Medicine
MPH Wright State University 2012
MD Wright State University 2012
MS Columbia University 2016
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)
MD University of Tennessee 1969
BA University of North Carolina 1965

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

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

Mark E. Halstead, MD  
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Associate Professor of Pediatrics  
MD Univ of Wisconsin Madison 1998  
BS Univ of Wisconsin Madison 1994

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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

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

Jay Donovan Keener, MD  
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MD West Virginia University 1998  
BS West Virginia University 1991

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

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

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

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

Adam J. LaBore, MD  
Associate Professor of Orthopaedic Surgery (primary appointment)  
Associate Professor of Neurology  
MD Loyola University Chicago 1998  
BS Louisiana College 1994

Robert Craig Lander, MD  
Instructor in Clinical Orthopaedic Surgery (primary appointment)  
BA University of Michigan 1968  
MD University of Illinois 1972

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

Scott J Luhmann, MD  
Professor of Orthopaedic Surgery (primary appointment)  
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
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Appointment</th>
<th>University</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Jeffrey Wackher Martin, MD</td>
<td>Associate Professor in Orthopaedic Surgery</td>
<td>primary</td>
<td>MD Case Western Reserve Univ 1981</td>
<td></td>
</tr>
<tr>
<td>Matthew J Matava, MD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>MD University of MO Kansas City 1987</td>
<td></td>
</tr>
<tr>
<td>Audrey McAlinden, PHD</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>PHD University of London 1998</td>
<td></td>
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<tr>
<td>Christopher M McAndrew, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>MD University of Tennessee 2004</td>
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<tr>
<td>Sarah Howe McBride, MS, PHD</td>
<td>Adjunct Instructor in Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>BS Clemson University 2004</td>
<td></td>
</tr>
<tr>
<td>Jeremy James McCormick, MD</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>MD Loyola University Chicago 2003</td>
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<tr>
<td>Douglas J. McDonald, MD</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>BS St Johns University 1978</td>
<td></td>
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<tr>
<td>John P Metzler, MD</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>MD University of Texas Galveston 1995</td>
<td></td>
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<tr>
<td>Anna Noel Miller, MD</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>BA Rice University 2001</td>
<td></td>
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<tr>
<td>Gary Arthur Miller, MD</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>BA University of Chicago 1973</td>
<td></td>
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<tr>
<td>Mark L. Miller, BE, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>BE Stanford University 2004</td>
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<tr>
<td>Nathan P Olafsen, MD</td>
<td>Assistant Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>MD University of MO Columbia 2012</td>
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</tr>
<tr>
<td>Regis James O'Keefe, PHD, MD</td>
<td>Fred C Reynolds Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>Head of the Department of Orthopaedic Surgery</td>
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<tr>
<td>Deebabrata Patra, PHD, MS</td>
<td>Associate Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>PHD University of Pittsburgh 1993</td>
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<tr>
<td>Terrence L Piper, MD</td>
<td>Assistant Professor of Clinical Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>MD Saint Louis University 1975</td>
<td></td>
</tr>
<tr>
<td>Heidi Prather, DOST</td>
<td>Professor of Orthopaedic Surgery (primary appointment)</td>
<td></td>
<td>BA Drury College 1987</td>
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</tbody>
</table>
Muhammad Farooq Rai, PHD
Assistant Professor of Orthopaedic Surgery (primary appointment)
PHD Freie University 2008

Elizabeth Yanik Rowlands, MD, PHD
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PHD University of North Carolina 2013
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PHD University of Konstanz 2002
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ME Cornell University 1984
PHD Mass Inst of Technology (MIT) 1996

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Assistant Professor of Neurology
MD University of Rochester 2010
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MD Virginia Comm University 2002

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BS Indiana University Bloomington 1958
MD Indiana University 1962

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PHD Rensselaer Poly Institute 2007
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Jerome J Gilden MD Distinguished Professor of Orthopaedic Surgery (primary appointment)
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BS University of Missouri 1984

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MS University of California 1985
MD George Washington University 1989
BA University of California 1983

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Assistant Professor of Orthopaedic Surgery (primary appointment)
Assistant 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.