

Residents

2015 – 2016



Department of Orthopaedic Surgery

Beaumont

Orthopaedics at Beaumont

- Thirteen orthopaedic inpatient operating rooms and three dedicated outpatient operating rooms.
- Inpatient floor on 9 South has 114 beds with its own physical therapy unit.
- The Marcia & Eugene Applebaum Simulation Learning Institute, an ACS level 1 accredited educational institute, with state-of-the-art skills facility and classrooms.
- Madeline and Sidney Forbes Family Orthopaedic Center on 9 South.
- Beaumont Orthopaedic Center is the primary outpatient teaching facility.
- Gehring Biomechanics and Implant Analysis Lab.
- Four fellowship programs: Orthopaedic Surgery of the Spine
Orthopaedic Sports Medicine
Adult Reconstruction Surgery, Hip and Knee
Orthopaedic Shoulder and Elbow Surgery

Orthopaedic Surgery Administration

J. Michael Wiater, M.D.

Program Director, Orthopaedic Surgery Residency

Jeffrey Fischgrund, M.D.

*Chief, Orthopaedic Surgery, and Associate Physician-in-Chief,
Beaumont Hospital – Royal Oak*

Lisa Thompson, C-TAGME

Program Coordinator for Residency Program, Joint Fellowship and Medical Students

Lauren Shamoun

Program Coordinator for Residency Program and Medical Students

Cathy Ketchum

Administrative Assistant

Lindsay Gilbert

Program Coordinator for Sports, Spine and Shoulder Fellowships

Please send correspondence to: Beaumont Hospital – Royal Oak
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Royal Oak, MI 48073
email: orthoresidency@beaumont.edu

First year residents

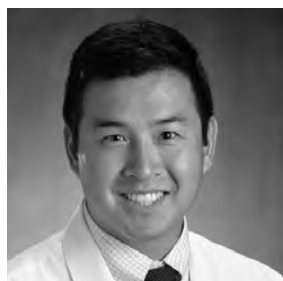
Nickolas Linkous M.D., grew up in Commerce Township, MI. He received his bachelor's degree from the University of Michigan and his medical degree from Oakland University William Beaumont School of Medicine. Nickolas lives in Walled Lake and enjoys working out, fishing, soccer, tennis, Tigers baseball, Lions football, and watching Michigan football.



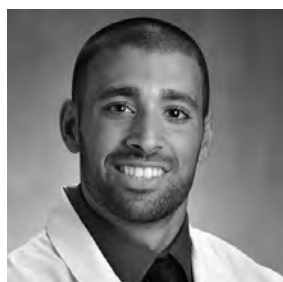
Brandon Luczak, M.D., grew up in Rochester Hills, Michigan. He received his bachelor's degree from Kalamazoo College and medical degree from Oakland University William Beaumont School of Medicine. Brandon lives in Clawson with his wife Jamie and son Gavin. He enjoys spending time with family, golfing, snowboarding, playing basketball, and barbecuing.



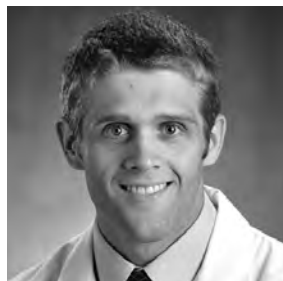
Kevin Park, M.D., grew up in Sunnyvale, California. He received his bachelor's degree from Yale and his medical degree from Washington University in St. Louis. Kevin lives in Novi with his wife Christina, pomeranian Lola and pointer Ronzie. He enjoys playing golf, movies, dogs, Reddit, and Boom Beach.



Ali Sobh, M.D., grew up in Dearborn, Michigan. He received his Bachelor's degree and medical degree from Wayne State University. Ali lives in Dearborn and enjoys weight training, running, playing cards and climbing trees.

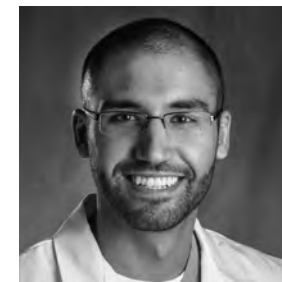


Jonathan Wright, M.D., grew up in Salt Lake City, Utah. He received his Bachelor's degree from Brighton Young University and his medical degree from Washington University in St. Louis. He enjoys running, biking, ultimate Frisbee, and spending time with family and friends.

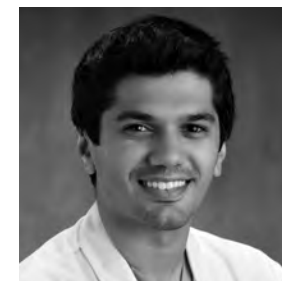


Second year residents

Adam Fahs, M.D., grew up in Bloomfield Hills, Michigan. He received his bachelor's degree from the University of Michigan and his medical degree from Wayne State University. Adam lives in Royal Oak and enjoys playing basketball, weight training and going to the shooting range.



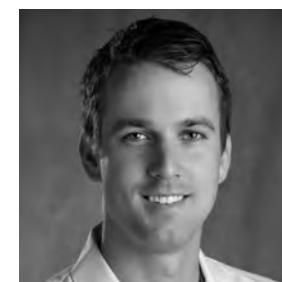
Sapan Gandhi, M.D., grew up in South Windsor, Connecticut. He received his bachelor's and medical degrees from Drexel University in Philadelphia. Sapan lives in Royal Oak and enjoys Boston sports, traveling and spending time with his family.



C.J. Bush, M.D., grew up in Beverly Hills, Michigan. He received his bachelor's degree from Michigan State University and his medical degree from University of Michigan. C.J. lives in Royal Oak and enjoys playing soccer, golfing, Michigan State and Detroit sports.



Matthew Siljander, M.D., grew up in Arizona, Illinois and Michigan. He received his bachelor's degree from the University of Michigan and his medical degree from Chicago Medical School. Matthew lives in Royal Oak with his wife, daughter and son. He enjoys sports, reading and spending time with his family.



Erika Daley, M.D., grew up in Colorado. She received her bachelor's degree from Notre Dame and her medical degree from Northwestern. Erika lives in Royal Oak and enjoys running, skiing, cooking, watching baseball and college football, and spending time with family and friends.



Third year residents

Ryan Lilly, M.D., grew up in Mt. Pleasant, Michigan. He received his bachelor's degree from the University of Michigan and his medical degree from Wayne State University. Ryan lives in Royal Oak and enjoys playing basketball, golfing and skiing. He also enjoys watching Michigan and Detroit sports and spending time with friends and family.



Bo Nasmyth Loy, M.D., grew up in Ojai, California. He received his bachelor's degree and medical degree from the University of Southern California. Bo lives in Royal Oak with his wife, Tami. He enjoys surfing, hiking, backpacking, golfing and following college sports.



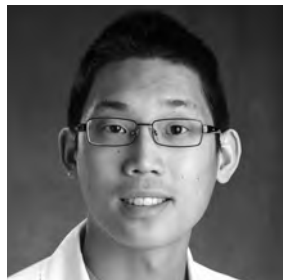
Jeffrey Osborne, M.D., grew up in Rochester Hills, Michigan. He received his bachelor's degree from the University of Michigan and his medical degree from Wayne State University. Jeffrey lives in Royal Oak and enjoys watching Michigan and Detroit sports. He also enjoys basketball, golf and spending time with family and friends.



Alexander Vara, M.D., grew up in Miami. He received his bachelor's degree from the University of Miami and his medical degree from the University of Miami, Miller School of Medicine. Alexander lives in downtown Royal Oak and enjoys playing golf, boating, fishing, following college and pro sports and spending time with family and friends.



John Wu, M.D., grew up in London, Ontario. He received his bachelor's degree from Queens University in Kingston, Ontario and his medical degree from the State University of New York Upstate Medical University. John lives in Royal Oak and enjoys basketball, golf and FIFA gaming.



Fourth year residents

Perry Altman, M.D., grew up in Dayton, Ohio. He received his bachelor's degree from Washington University in St. Louis and his medical degree from the University of Toledo. Perry and his wife, Meryl, live in Birmingham. He enjoys billiards, tennis and soccer. Perry will be pursuing a fellowship in upper extremities.



Jonathon Geisinger, M.D., grew up in Spencer, Iowa. He received his bachelor's degree and his medical degree from the University of Iowa. Jonathon lives in Royal Oak with his wife Beth and two children. He enjoys boating, hunting, fishing and spending time with his family. He also enjoys traveling back to Iowa to help on his family farm. Jonathon will be pursuing a spine fellowship.



John Haggart, M.D., grew up in Fargo, North Dakota. He received his bachelor's degree from the University of Minnesota and his medical degree from the University of Iowa. John currently lives in Royal Oak and enjoys playing basketball, golf, skiing and Iowa football. John will be pursuing a sports fellowship.



Michael Planalp, M.D., grew up in a few places: Cincinnati, Ohio; London; and Norwich, New York. He went to Notre Dame for his bachelor's degree and the University of Cincinnati for his medical degree. Michael lives in Bloomfield Hills and enjoys sports, movies, books, cars and beer. Michael will be pursuing a spine fellowship.



Clayton Thor, M.D., grew up in Norfolk, Nebraska, where he received his bachelor's degree from the University of Nebraska-Lincoln and his medical degree from the University of Nebraska Medical Center. Clayton lives in Royal Oak and enjoys Nebraska football, fishing, hunting and golf. Clayton will be pursuing a joint fellowship.

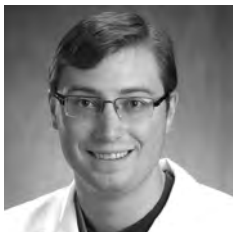


Fifth Year Residents

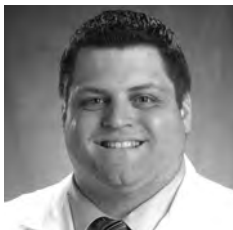
Okezie Aguwa, M.D., grew up in Okemos, Michigan. He went to Princeton University for his bachelor's degree and Case Western Reserve University for his medical degree. Okezie lives in Troy and enjoys Michigan football, weight-lifting, soccer and time with his family and friends. Okezie played football for Princeton and won the division I state championship in the discus throw. Okezie will be doing a Spine fellowship at HSS Hospital for Special Surgery in New York.



Eric Busse, M.D., grew up in Woodbury, Minnesota. He went to school at St. Olaf college for his bachelor's degree and Creighton University for his medical degree. Eric and his wife Kellie live in Royal Oak. He enjoys hockey, lacrosse, reading sci-fi novels, downhill skiing, sailing, camping, canoeing and Big 10 sports. Eric will be doing a total joints fellowship at the University of Minnesota.



Matthew D'John, M.D., grew up in Sterling Heights, Michigan. He went to Oakland University for his bachelor's degree and Michigan State University for his medical degree. Matt lives with his wife Kristen in Sterling Heights. He enjoys hockey, basketball, football and spending time with family. Matthew will be doing an adult reconstruction fellowship at the University of Louisville. Matthew will be doing an adult reconstruction fellowship at the University of Louisville.



Gearin Green, M.D., grew up in Portland, Oregon. He now lives in Royal Oak and enjoys sports and exercise. His bachelor's degree is from Portland State University and his medical degree is from Medical College of Wisconsin. Gearin will be doing a foot/ankle fellowship at Penn State.



Mohamed Saad, M.D., grew up in Dearborn, Michigan. He received his bachelor's degree from the University of Michigan and his medical degree from Wayne State University. Mohamed lives in Birmingham and enjoys spending time with family and friends. He also enjoys basketball, golf, baseball, snow sports and University of Michigan sports. Mo will be doing a sports fellowship at DMC.



Jared Weir, M.D., grew up in Saginaw, Michigan and went to Wayne State University for his medical degree. Jared lives in Royal Oak with his wife Crystal. He enjoys delivering the children's message at his church in Beverly Hills, traveling with his wife, kayaking in South Carolina, playing guitar and working with his Dewalt power tools. Jared will be returning back home to Saginaw, MI to do private practice with an emphasis in total joint arthroplasty.



Fellowships obtained by Beaumont residents following graduation from this program:

Adult Reconstructive Joint	<p>Carolinas Medical Center, Charlotte, North Carolina Charlotte Orthopaedic Specialists, Charlotte, North Carolina Institute of Bone and Joint Disorders, Phoenix, Arizona Rush Presbyterian, Chicago, Illinois University of California, San Diego, California Vanderbilt University, Nashville, Tennessee Washington University, St. Louis, Missouri</p>
Foot/Ankle	<p>Cleveland Clinic, Cleveland, Ohio Florida Orthopaedic Institute, Tampa, Florida Michigan International Foot & Ankle Center, Pontiac, Michigan Mount Sinai, New York, New York OL Miller F/A Institute at OrthoCarolina, Charlotte, North Carolina Rancho Los Amigos, Downey, California Texas Medical Center, Houston, Texas University of Washington in Seattle</p>
Hand/Upper Extremity	<p>Brown University, Providence, Rhode Island Christine Kleinert Institute for Hand Surgery, Louisville, Kentucky Cleveland Clinic, Cleveland, Ohio Indiana Hand Center, Indianapolis, Indiana Medical College of Wisconsin Thomas Jefferson University, Philadelphia, Pennsylvania University of Alabama, Birmingham, Alabama University of Louisville, Louisville, Kentucky University of Rochester, Rochester, New York University of Washington, Seattle, Washington Washington University, St. Louis, Missouri</p>
Pediatrics	<p>Texas Scottish Rite Hospital, Dallas, Texas Children's Hospital Medical Center, Seattle, Washington Children's Hospital of Atlanta at Scottish Rite, Atlanta, Georgia</p>
Spine	<p>Kerlan-Jobe Orthopaedic Clinic, Los Angeles, California OrthoIndy, Indianapolis, Indiana Rush Presbyterian, Chicago, Illinois Thomas Jefferson University, Philadelphia, Pennsylvania University of California, San Diego, California University of California, San Francisco, California University of Virginia, Charlottesville, Virginia</p>
Sports Medicine	<p>Cincinnati Sports Medicine and Research Foundation, Cincinnati, Ohio Cleveland Clinic, Cleveland, Ohio Columbia University, New York, New York Duke University, Durham, North Carolina Harvard/Massachusetts General Hospital, Boston, Massachusetts Kaiser Permanente, San Diego, California Kerlan-Jobe Orthopaedic Clinic, Los Angeles, California Memorial Medical Center of Long Beach, Long Beach, California Ohio State University, Columbus, Ohio Orthopaedic Research of Virginia, Richmond, Virginia Stanford University, Palo Alto, California San Diego Arthroscopy & Sports Medicine, San Diego, California University of Missouri University of Pennsylvania, Philadelphia, Pennsylvania</p>
Trauma	<p>Case Western Reserve University, Cleveland, Ohio University of California, Davis, California Florida Orthopaedic Institute, Tampa, Florida Carolinas Medical Center, Charlotte, North Carolina Stanford University, Stanford, California</p>
Tumor	<p>Mayo Clinic, Rochester, Minnesota Memorial Sloan Kettering Cancer Center, New York University of Chicago, Chicago, Illinois</p>

Department of Orthopaedic Surgery Faculty

Faculty	Specialty	Office
Kyle Anderson, M.D.	Sports Medicine	26025 Lahser Road, Southfield
James Bicos, M.D.	Sports Medicine	24255 13 Mile Road, #100, Bingham Farms
Lane Brown, M.D.	Total Joint	30575 Woodward, Royal Oak
David Collon, M.D.	Sports Medicine	26025 Lahser Road, Southfield
Jeffrey Devitt, M.D.	Total Joint	26025 Lahser Rd., Southfield
Thomas Ditkoff, M.D.	General/Pediatric	26025 Lahser Road, Southfield
Nicholas Dutcheshen, M.D.	Sports Medicine	1350 Kirts, #160, Troy
Christina Endress, M.D.	Hand	1350 Kirts, #160 Troy
Zachary Endress, M.D.	General	1350 Kirts, #160, Troy
Jeffrey Fischgrund, M.D.	Spine	26025 Lahser Road, Southfield
Paul Fortin, M.D.	Foot/Ankle	30575 Woodward, Royal Oak
Allan M. Grant, M.D.	Foot/Ankle	30575 Woodward, Royal Oak
Kevin D. Grant, M.D.	Trauma	30575 Woodward, Royal Oak
Perry W. Greene, M.D.	Total Joint	30575 Woodward, Royal Oak
Joseph Guettler, M.D.	Sports Medicine	24255 13 Mile Road, Bingham Farms
Michael Hubers, M.D.	Total Joint	1350 Kirts, #160, Troy
Lige Kaplan, M.D.	Total Joint	30575 Woodward, Royal Oak
Mark Karadsheh, M.D.	Total Joint	24255 13 Mile Road, Bingham Farms
Jad Khalil, M.D.	Spine	26025 Lahser Road, Southfield
Donald Knapke, M.D.	Total Joint	1350 Kirts, #160, Troy
Robert Kohen, M.D.	Sports Medicine	30000 Northwestern Hwy, Farmington
Lawrence Kurz, M.D.	Spine	26025 Lahser Road, Southfield
Kimberly Les, M.D.	Tumor	3577 West 13 Mile Road, #402, Royal Oak
Thomas Magnell, M.D.	Hand	17877 West 14 Mile Road, Beverly Hills
Jerry Matlen, M.D.	General	26025 Lahser Road, Southfield
Sean Matuszak, M.D.	Foot/Ankle	1350 Kirts, #160, Troy

Faculty	Specialty	Office
David B. Mayo, M.D.	Total Joint	30575 Woodward, Royal Oak
David Montgomery, M.D.	Spine	30575 Woodward, Royal Oak
Drew Moore, M.D.	Tumor	3577 West 13 Mile Road, #402, Royal Oak
Gregory Nowinski, M.D.	Trauma	1350 Kirts, #160, Troy
Daniel Park, M.D.	Spine	26025 Lahser Road, Southfield
Michael Pochron, M.D.	Hand	17877 West 14 Mile Road, Beverly Hills
Rachel Rohde, M.D.	Hand	26025 Lahser Road, Southfield
Craig Roodbeen, M.D.	Sports Medicine	1350 Kirts, #160, Troy
Jason Sadowski, M.D.	Trauma	26025 Lahser Road, Southfield
Jeffrey Settecerri, M.D.	Pediatric	30575 Woodward, Royal Oak
Jeffrey Shapiro, M.D.	Sports Medicine	26025 Lahser Road, Southfield
Paul Shapiro, M.D.	Hand	26025 Lahser Road, Southfield
Matthew Siskosky, M.D.	Sports Medicine	30575 Woodward, Royal Oak
Gregory Sobol, M.D.	Hand	17877 West 14 Mile Road, Beverly Hills
Christopher Tisdell, M.D.	Foot/Ankle	26025 Lahser Road, Southfield
Zachary Vaupel, M.D.	Foot/Ankle	30575 Woodward, Royal Oak
James Verner, M.D.	Total Joint	26025 Lahser Road, Southfield
Brett Wiater, M.D.	Shoulder	17877 West 14 Mile Road, Beverly Hills
Jerome P. Wiater, M.D.	Total Joint	17877 West 14 Mile Road, Beverly Hills
J. Michael Wiater, M.D.	Shoulder	17877 West 14 Mile Road, Beverly Hills
Patrick Wiater, M.D.	Trauma	17877 West 14 Mile Road, Beverly Hills
Ira Zaltz, M.D.	Pediatric	30575 Woodward, Royal Oak
Gregory Zemenick, M.D.	General	1350 Kirts, #160, Troy

Department of Orthopaedic Surgery Research

The Orthopaedic Research Laboratory is staffed by graduate-trained engineers who conduct basic and translational research in a variety of areas including:

- biomaterials
- biomechanics
- cell and molecular biology
- implant retrieval and analysis
- joint wear simulation
- patient outcomes and registries
- sports medicine



Research staff have strong backgrounds in the engineering fields of biomedical, chemical, materials science and mechanical engineering and are well-versed in policies and procedures of research conduct at Beaumont Health System. Our staff will assist in all aspects of research projects including start-up, funding, experimentation, data/statistical analysis and manuscript preparation. Laboratory staff work closely with residents, fellows and attending surgeons in the development and implementation of novel research projects aimed at improving the standard of care for orthopaedic surgery patients.

An integral part of resident education is the PGY-2 dedicated research week. This rotation gives residents an opportunity to become familiar with the laboratory and work with laboratory staff to develop individual interests that will guide each resident through their research projects. We also have a dedicated research month in PGY-4, which facilitates progress towards publication. Each resident is expected to be involved in two lab-based projects and one clinical project during the five-year residency.

Research projects are designed to result in presentation at a national subspecialty conference of the annual meetings of the American Academy of Orthopaedic Surgeons or the Orthopaedic Research Society. Our representation at the AAOS and ORS meetings has grown considerably with 10 or more podium or poster presentations at these meetings each year for the last five years. Publication volumes

have also experienced a sharp increase with 15 manuscripts published in 2012, 29 in 2013 and 39 in 2014. Several manuscripts have been published in top-ranked orthopaedic journals,



including the American Journal for Sports Medicine (AJSM), Osteoarthritis & Cartilage, and Spine, as well as basic science journals, including the Journal of Orthopaedic Research, Annals of Biomedical Engineering, and Nanomedicine. Research is funded by a combination of philanthropy, industry and peer-reviewed sources. We currently have peer-reviewed grants through AOSSM, AO Spine North America, AOFAS, CSRS and a recent grant from the U.S. Army Congressionally-Directed Medical Research Program. Facilities – Orthopaedic Research Laboratories

The Orthopaedic Research Laboratories are located in the Beaumont Research Institute on the Royal Oak campus. There are three separate laboratories comprising more than 4,000 square feet of lab space. Equipment in the laboratories facilitates biomechanical testing, advanced materials characterization and synthesis, cell and tissue culture, CT/MRI image analysis and wear simulations. Our current equipment includes:

- MTS Bionix 12-station hip wear simulator with 4-station load soak control
- MTS Mini-Bionix 858 servo-hydraulic, bi-axial materials testing system
- MTS Insight 150 electromechanical materials testing system
- Tekscan pressure mapping system
- Tescan Vega3XMU environmental scanning/transmission electron microscope
- EDAX energy dispersive X-ray spectroscopy
- Leica MZ-16 stereomicroscope
- Olympus IX-71 light microscope (phase contrast, Nomarsky interference, fluorescence)
- Scanco USA MicroCT-40 ex vivo scanner
- Leco precision diamond saw
- Supercritical fluid reactor (nanoparticle and scaffold synthesis)
- Labconco benchtop lyophilizer
- Sterile laminar flow hoods (3)
- Copper-lined CO2 incubators (3)
- -80°C, -20°C, refrigerated and warm storage
- Dell T7500, 12 core workstation (Radiographic analysis and advanced computing)
- Mac Pro – 8 core Intel Xeon workstation (PET/SPECT/CT/MRI analysis)
- Qualisys high resolution four camera motion tracking system.
- Qualisys motion capture desktop Intel Core i7-3770 @ 3.4 GHz with 8 GB RAM
- Scanco USA Viva80-CT in vivo microCT
- Zygo white light interferometric microscope

Department of Orthopaedic Surgery Research Staff

The Orthopaedic Research Laboratory works closely with Beaumont's BioBank and Core Genetics and Tissue Laboratory. The BioBank is a repository of tissue and fluid samples taken from a variety of surgical procedures, including oncology, cardiovascular and orthopaedic patients. The BioBank is outfitted with advanced tissue, gene and protein-level characterization equipment, which allows our researchers to investigate disease pathology, tissue response to novel biomaterials and to develop novel treatment strategies for common conditions. The BioBank's Core Genetics and Tissue Laboratory is equipped with the following:

- Affymetrix GeneChip genomics workstation
- BioRad SELDI-TOF-MS ProteinChip proteomics workstation
- Laser capture microdissection microscope
- Scanning laser confocal microscopy
- Beecher tissue microarray
- Automated tissue processing stations (embedding, staining, grinding)
- Bioplex microbead-based multiplex ELISA system
- Eppendorf quantitative RT-PCR
- Histomorphometry workstation

Surgery Clinical Trials Office

Orthopaedic Clinical Trials are managed by the Surgery Clinical Trials Office, or SCTO, under the direction of Graham Long, M.D., and Karen Sherer, RN, BSN, CCRC. The SCTO oversees projects in the surgical subspecialties of vascular, cardiac, colorectal, orthopaedic and plastic surgery, as well as multi-organ transplant and surgical ICU. Research nurses and clinical research coordinators staff the SCTO and manage all regulatory aspects of clinical trials with physician principal investigators. There are more than 50 projects in various stages of development, enrollment and follow-up managed by the SCTO. The close partnership between Orthopaedic Research Laboratory staff, SCTO staff and our physicians ensures the successful development and execution of clinical research at Beaumont.

Biomaterials

Kevin C. Baker, Ph.D., Director, Orthopaedic Research Laboratories
Meagan Salisbury, M.S., Research Engineer I

Biomechanics and Joint Wear Simulation

Michael D. Kurdziel, M.S., Research Engineer II

Implant Retrieval and Analysis

Erin A. Baker, M.S., Research Engineer II

Orthopaedic Outcomes Registry

Denise Koueiter, M.S., Research Engineer II
Aimee Sylvester, B.S., Research Engineer I

Sports Medicine

Tristan Maerz, M.S., Research Engineer II

Research Staff

Abigail Davidson, B.S., Research Engineer I
Michael Newton, B.S., Research Engineer I

Orthopaedic Clinical Trials are managed by the Surgery Clinical Trials Office.

Surgery Clinical Trials Office

Graham Long, M.D., Medical Director, Surgery Clinical Trials Office
Karen Sherer, RN, BSN, CCRC, Research Nurse Manager,
Surgery Clinical Trials Office

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Beaumont