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
3535 West 13 Mile Road, Suite 744
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. Jonathan 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**
  - 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

- **Foot/Ankle**
  - 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

- **Hand/Upper Extremity**
  - Brown University, Providence, Rhode Island
  - Christine Kleiner 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

- **Pediatrics**
  - Texas Scottish Rite Hospital, Dallas, Texas
  - Children’s Hospital Medical Center, Seattle, Washington
  - Children’s Hospital of Atlanta at Scottish Rite, Atlanta, Georgia

- **Spine**
  - Kerlan-Jobe Orthopaedic Clinic, Los Angeles, California
  - Ortholndy, 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

- **Sports Medicine**
  - 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

- **Trauma**
  - 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

- **Tumor**
  - Mayo Clinic, Rochester, Minnesota
  - Memorial Sloan Kettering Cancer Center, New York
  - University of Chicago, Chicago, Illinois
<table>
<thead>
<tr>
<th>Faculty</th>
<th>Specialty</th>
<th>Office</th>
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<tbody>
<tr>
<td>Kyle Anderson, M.D.</td>
<td>Sports Medicine</td>
<td>26025 Lahser Road, Southfield</td>
</tr>
<tr>
<td>James Bicos, M.D.</td>
<td>Sports Medicine</td>
<td>24255 13 Mile Road, #100, Bingham Farms</td>
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<tr>
<td>Lane Brown, M.D.</td>
<td>Total Joint</td>
<td>30575 Woodward, Royal Oak</td>
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<tr>
<td>David Collon, M.D.</td>
<td>Sports Medicine</td>
<td>26025 Lahser Road, Southfield</td>
</tr>
<tr>
<td>Jeffrey Devitt, M.D.</td>
<td>Total Joint</td>
<td>26025 Lahser Rd., Southfield</td>
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<tr>
<td>Thomas Ditkoff, M.D.</td>
<td>General/Pediatric</td>
<td>26025 Lahser Road, Southfield</td>
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<tr>
<td>Nicholas Dutcheshen, M.D.</td>
<td>Sports Medicine</td>
<td>1350 Kirts, #160, Troy</td>
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<tr>
<td>Christina Endress, M.D.</td>
<td>Hand</td>
<td>1350 Kirts, #160 Troy</td>
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<td>Zachary Endress, M.D.</td>
<td>General</td>
<td>1350 Kirts, #160 Troy</td>
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<td>Jeffrey Fischgrund, M.D.</td>
<td>Spine</td>
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<td>Paul Fortin, M.D.</td>
<td>Foot/Ankle</td>
<td>30575 Woodward, Royal Oak</td>
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<td>Allan M. Grant, M.D.</td>
<td>Foot/Ankle</td>
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<td>Kevin D. Grant, M.D.</td>
<td>Trauma</td>
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<td>Perry W. Greene, M.D.</td>
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<td>Joseph Guettler, M.D.</td>
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<td>24255 13 Mile Road, Bingham Farms</td>
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<td>Michael Hubers, M.D.</td>
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<td>Lige Kaplan, M.D.</td>
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<tr>
<td>Mark Karadsheh, M.D.</td>
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<td>Jad Khalil, M.D.</td>
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<td>Donald Knapke, M.D.</td>
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<tr>
<td>Robert Kohen, M.D.</td>
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<td>30000 Northwestern Hwy, Farmington</td>
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<td>Lawrence Kurz, M.D.</td>
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<td>Kimberly Les, M.D.</td>
<td>Tumor</td>
<td>3577 West 13 Mile Road, #402, Royal Oak</td>
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<td>Thomas Magnell, M.D.</td>
<td>Hand</td>
<td>17877 West 14 Mile Road, Beverly Hills</td>
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<tr>
<td>Sean Matuszak, M.D.</td>
<td>Foot/Ankle</td>
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<td>David B. Mayo, M.D.</td>
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<td>David Montgomery, M.D.</td>
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<td>Drew Moore, M.D.</td>
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<td>Gregory Nowinski, M.D.</td>
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<td>Daniel Park, M.D.</td>
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<td>Michael Pochron, M.D.</td>
<td>Hand</td>
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<td>Rachel Rohde, M.D.</td>
<td>Hand</td>
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<td>Craig Roodbeen, M.D.</td>
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<td>Jason Sadowski, M.D.</td>
<td>Trauma</td>
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<td>Jeffrey Settecerri, M.D.</td>
<td>Pediatric</td>
<td>30575 Woodward, Royal Oak</td>
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<td>Jeffrey Shapiro, M.D.</td>
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<td>Paul Shapiro, M.D.</td>
<td>Hand</td>
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<td>Matthew Sikosky, M.D.</td>
<td>Sports Medicine</td>
<td>30575 Woodward, Royal Oak</td>
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<td>Gregory Sobol, M.D.</td>
<td>Hand</td>
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<td>Christopher Tisdel, M.D.</td>
<td>Foot/Ankle</td>
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<td>Zachary Vaupel, M.D.</td>
<td>Foot/Ankle</td>
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<tr>
<td>James Verner, M.D.</td>
<td>Total Joint</td>
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<tr>
<td>Brett Wiater, M.D.</td>
<td>Shoulder</td>
<td>17877 West 14 Mile Road, Beverly Hills</td>
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<td>Jerome P. Wiater, M.D.</td>
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<td>J. Michael Wiater, M.D.</td>
<td>Shoulder</td>
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<td>Patrick Wiater, M.D.</td>
<td>Trauma</td>
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<td>Ira Zaltz, M.D.</td>
<td>Pediatric</td>
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<td>Gregory Zemenick, M.D.</td>
<td>General</td>
<td>1350 Kirts, #160, Troy</td>
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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, AOAFS, CSRS and a recent grant from the U.S. Army Congressionally-Directed Medical Research Program.

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
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.
Beaumont Hospital – Royal Oak

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