The Center for Musculoskeletal Research was established in 2000 under the leadership of Randy Rosier, M.D., Ph.D., when he served as Chairman of the Department of Orthopaedics. The current Director is Edward M. Schwarz, Ph.D., the Richard and Margaret Burton Distinguished Professor in Orthopaedic Musculoskeletal Research.

A National Leader in Musculoskeletal Research

The University of Rochester Medical Center is known for its highly collaborative approach to research, and the Center for Musculoskeletal Research exemplifies how our comprehensive and highly integrated approach has resulted in continuous national recognition. Nearly 25 faculty members from a variety of departments have individual labs supporting more than 75 scientists who have shared research interests. Together, we work to address the most challenging questions in the musculoskeletal sciences, and train young investigators whose promising research will help advance musculoskeletal health.

Our diverse interests provide a breadth of research expertise. From genetic pathways responsible for skeletal development to medical problems associated with complex fractures and artificial joints, we are unraveling the mysteries of musculoskeletal health and applying new insights to treatment options for patients, such as growing the cells responsible for healing bones and keeping them healthy in order to improve the performance of bone transplants. In fact, we’ve just had a breakthrough in the development of a vaccine to prevent life-threatening methicillin-resistant staphylococcus aureus (MRSA) infections following bone and joint surgery.

In the future, our research will measure and compare tests, drugs, and surgeries used in orthopaedics to determine the best ways to treat patients, produce antibodies to prevent bone infections, and use stem cells to improve the performance of transplanted bones to potentially make prosthetic limbs obsolete in many cases.
Your Gift Can Help Us
Discover, Innovate, Prevent, Cure

Scientists are visionaries. They constantly challenge perceptions, think the unthinkable, and relentlessly pursue a better way. Your gift will provide the freedom for our scientists to pursue unorthodox theories that can revolutionize musculoskeletal medical advances, and turn ideas more rapidly into better treatments, preventions, and potential cures.

At the CMSR, every gift we receive—large or small—is appreciated and will make an impact. By funding any of the options below, you can meet the determined men and women behind our scientific discoveries and experience their dedication to finding better treatments and cures. Join us.

**RESEARCH PROJECT AND LABORATORY SUPPORT—$50,000 to $500,000**

People are our single-most important element in producing innovative research. Funding to support the contributions of our teams of scientists, post-doctoral fellows, laboratory technicians, and graduate students are vital to our success. You can also support the technology that speeds the path to new therapies and cures, yet adds heavily to research costs.

**PILOT PROJECTS / SEED FUNDS—$50,000 to $500,000**

New ideas need exploration and nurturing before they can be developed into successful applications from the National Institutes of Health (NIH), large foundations or other traditional avenues of support. Gifts for seed funding are tangible investments in a promising researcher with the potential to make groundbreaking discoveries that will impact people here and around the world. Funds invested today in innovative research help provide state-of-the-art care for patients tomorrow. They can also be leveraged many times over, bringing external funding, jobs, and economic growth to the Rochester Community.

**BRIDGE FUNDS—$50,000 to $500,000**

As government research funds become more restrictive, it is increasingly difficult for current investigators with ongoing, well-established research to sustain uninterrupted NIH funding—interruptions that can have a significant, negative impact on the research being conducted—and for new investigators to renew their first grants, a crucial event for individuals establishing research careers. These factors have made private philanthropy an essential stopgap measure to sustain promising science and highly meritorious research projects.

For more information about how your gift can make an impact, please contact Peggy Martin at (585) 273-5946 or peggy.martin@rochester.edu.

www.urmc.rochester.edu/musculoskeletal-research