







Advancing research to help those with bone and joint disorders

We often don't think about the risks of osteoporosis, the pain of rheumatoid arthritis or the reduced mobility resulting from osteoarthritis — until these conditions affect us or a loved one.

Yet bone and joint disorders are some of the most common chronic conditions affecting Canadians. By 2025, it's anticipated the number of Canadians with osteoarthritis will double, with 10 million Canadians suffering from the impacts of the disease. Bone and joint disorders are the leading cause of disability worldwide, costing the Canadian economy more than \$35 billion annually.

The McCaig Institute for Bone and Joint Health at the Cumming School of Medicine is changing the future for Albertans, from children to seniors, by helping them stay active and pain-free for life. The McCaig Institute is home to a world-class team of researchers from across the University of Calgary, including the faculties of veterinary medicine and kinesiology, along with the Schulich School of Engineering. Our scientists, engineers and physicians are working together to create health

solutions that are unique to the University of Calgary.

At the heart of our research is precision medicine, in which we treat individuals and conditions based upon their unique characteristics. Thanks to new technologies, scientists are able to diagnose and care for patients with the right treatment at the right time.

The future of bone and joint research and treatment is precision medicine. Vital investments in three key areas will allow us to:

- Prevent bone and joint disorders from happening, along with the lifelong damage they cause
- Better detect and diagnose bone and joint conditions to alter the long-term outcomes for Albertans
- **Develop new treatments** to improve the lives of people with bone and joint disorders

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\$25 million

Take your place among the leading philanthropists of your time.

Join us to support research of bone and joint disorders. Your support will bring the best and brightest to the McCaig Institute for Bone and Joint Health, provide the tools to unearth innovations, and help us partner with the community to create health solutions.

Together, we will spark discovery, creativity and innovation to define a better tomorrow.

Together, we will enable active, pain-free lives for Albertans.

Our research and community partnerships are enabling discoveries across the lifespan of disease and improving the health of our citizens. You can help us continue this important work through:

Research Visionaries — \$9 million

Better outcomes for people living with bone and joint disorders depends on leaders who will bring discoveries to a community in need.

- Scholarships and bursaries will support the training of future leaders in research.
- Awards and recruitment packages will attract the next generation of researchers and clinicians who will find solutions to pressing questions in bone and joint disorders.
- Funding for highly skilled technicians, research nurses and health researchers will deliver innovative research programs.

Research Platforms — \$12 million

Tools and research platforms will support our basic scientists, engineers, clinicians and health system researchers.

- Highly integrated teams will focus on the continuum of research.
- Clinical trials will advance studies in prevention, detection and treatment.
- Big-data and health-systems research will translate discovery into practice.

Healthy Communities — \$4 million

Ensuring the best in health requires that we extend our reach by partnering with the community.

- Promote awareness and share knowledge of bone and joint disorders and our research advances, developing healthy communities through key stakeholders.
- Provide innovation funds that link research to the community.
- Create health solutions for disadvantaged populations, including Indigenous communities.

This is your opportunity to make a difference, spark meaningful change and create a legacy that will never fade. **JOIN US.**

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Join us, and together we will help people live active, pain-free lives.

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