Catalyze Canada’s transformation to a vibrant and sustainable future.
We work together to advance research, scholarship and innovation, create authentic learning experiences and inspire careers of the future. We do this work to generate curiosity-driven discovery and to contribute to solutions to societal grand challenges.
Impact
Curiosity
Integrity
Inclusivity
Collaboration
Wellness
GOALS

Make a Difference
Prepare students to make a difference in a changing world through innovative curricula and authentic learning experiences.

Champion Research
Champion transformative research, scholarship, and discovery.

Foster Innovations
Foster sustainable innovations that inspire solutions and technologies.

Part of a Community
Play an integral role in, and learn from, the cultural fabric of Calgary and the communities we impact.

Celebrate Diversity
Embrace, promote, and celebrate diversity and inclusivity.

Be Inspiring
Be an inspiring place to work.
We do world-class stuff here, and we’re really trying to benefit the scientific community. If you come here, and you care, and you want to learn and participate, you’re going to have a really great time because everyone feels that way. I feel so proud to be part of this place and this environment and all the support that we’ve had.

Neil Sinclair, PhD, 2016, Chancellor’s Graduate Medal
The Faculty of Science grows, cultivates and celebrates champions of science.

Impact to Scientific Discovery
Together, we create an inspiring research and learning environment that allows students, faculty and staff to make impactful contributions to scientific discovery.

Diverse and Inclusive Community
We are a diverse and inclusive community of scholars dedicated to being advocates, leaders, and champions for and of science.

Programs that Enrich our Mission
We recruit and retain students, faculty and staff who support research and academic programs that best enrich our faculty’s mission.

Development that Enhances Experiences
We design, offer, and participate in academic, experiential, and professional development programs that enhance student and faculty experiences and prepare them for success in a changing world.

Connecting with our Community
We incorporate scientific understanding and a sense of pride in connecting with our community.

Our students, faculty and staff are excited to be a part of a vibrant community of innovators, learners and entrepreneurial thinkers. Science champions are not afraid to make bold moves.

We use the university’s academic plan to provide direction as we meet future needs and tackle the issues facing our rapidly changing world.
Our project could be classified as ‘high-risk, high-reward’ and the faculty has been instrumental in allowing us to take a chance on doing something different. The culture of encouraging and actively helping the university’s entrepreneurial faculty and staff members to bring their research and ideas to wider audiences has been an integral part of helping me get started.

Christine Sharp, Postdoctoral Scholar, with the Energy Bioengineering Group
As society faces local and global challenges, we look to science for help. Our faculty has identified four grand challenges that harness our current strengths, look to future opportunities and allow us to explore new discoveries.
We have an opportunity to make exceptional impact with the following GRAND CHALLENGES:

**Understanding Earth’s Evolving Systems**
Including Earth as a system (from the core to the magnetosphere), biodiversity and conservation, and the intersection of the natural and built worlds.

**Energy in Transition**
Including lower impact energy production, environmental remediation, and renewable energies.

**Unlocking our Digital Future**
Including security in the digital age, privacy protection, visual computing and quantum information.

**Personalized Health at the Molecular Level**
Including drug synthesis, delivery and diagnostics, minimizing antibiotic resistance in bacteria, and understanding the role molecules have in our health.

Our grand challenges align with the university’s Strategic Research Plan, which addresses current and future societal needs, engages our communities, and creates opportunities for international prominence. We take pride in our ability to transfer knowledge and contribute to growth through research, innovation and entrepreneurial thinking.
Our grand challenges call on all members of our community — from researchers to students to the public — to join forces and help find solutions to critical issues.

Faculty members pursue solutions to these grand challenges through the following platforms: Fundamental Research, Major Facilities, and Data Science and our Sensorized World.

Research Communities
We engage and support research communities to drive solutions to society’s grand challenges.

Grand Challenges in the Classroom
We incorporate grand challenges into the classroom and other learning environments so that they are constantly being discussed and advanced.

World-class Research
We champion world-class fundamental research and discovery.

Collaborative Approaches
We value interdisciplinary and collaborative approaches and infuse learning into all opportunities.
STRATEGIC PRIORITY

Promote and Support an Engaged and Impactful Team

I work with a team of dedicated professionals — we support and challenge each other to be part of the culture of innovation and discovery that the Faculty of Science is known for. There is a feeling of being part of something bigger, of contributing to something important. I may not work in a lab or teach, but I know that the work I do is helping to keep vital research and teaching moving forward — and that is a pretty amazing feeling.

Heather Clitheroe, International Co-ordinator
The faculty’s success is founded on our diverse, accomplished and innovative people.

Career Development
We support the career development of graduate students and post-doctoral scholars.

Diversity
We understand the diverse needs, strengths, and motivations of students, staff and faculty. We develop programs that best meet those needs.

Work-life Balance
We embrace campus-wide initiatives that promote a healthy and safe workplace and support work-life balance.

Culture of Respect
We ensure a culture that respects each other’s time and philosophical differences.

Diverse Goals
We enable engagement and success for individuals and teams in achieving their diverse goals.

Our students, faculty and staff have shaped our organization from the ground up, and helped to raise the bar in research, teaching and learning, and community engagement.

There is a strong commitment to excellence — from big, bold ideas to everyday decisions — that paves the way to the future. There is an ongoing commitment from the faculty to focus on continuous improvement and ensure that we are supported in our work and well positioned for what comes.
It is through curiosity, innovation and discovery that our students, faculty, and staff become entrepreneurial thinkers, leaders and agents of change.

I am pleased to share the faculty’s strategic plan for 2017–22: “Curiosity Sparks Discovery!” In our plan we articulate our vision and mission, and illustrate how we will fuel transformational change and build a strong community through teaching, learning, research, scholarship and collaborative partnerships.

From mid-2016 to early 2017, we consulted with our faculty, staff, students, alumni, industry partners and community members to help us assess where we are today and where we want to be tomorrow.

Our strategic plan outlines a bold direction for the Faculty of Science. It integrates current and emerging strengths with areas targeted for future growth and investment. Our plan complements the institution’s Eyes High strategy 2017–22 as we continue to focus on research and scholarship, enriching our students’ learning experiences, and fully integrating our faculty with the community.

I am excited about what the future holds for the Faculty of Science and I look forward to sharing it with you!

Lesley Rigg
Dean