

THIS IS SCIENCE AT UALBERTA

STRATEGIC PLAN 2020-2025



UNIVERSITY OF ALBERTA
FACULTY OF SCIENCE

ualberta.ca/science

WHY SCIENCE?

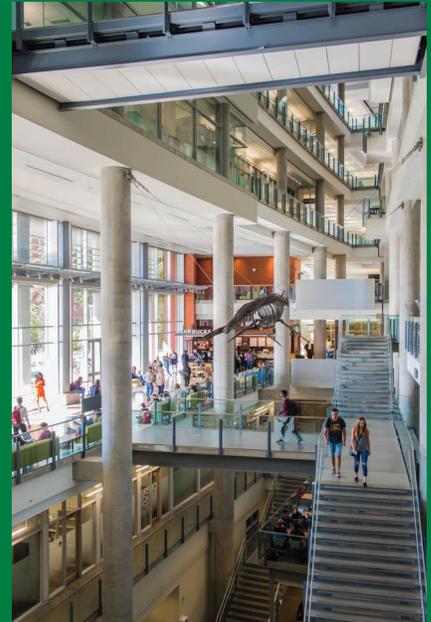
FROM THE DEAN

SCIENCE AT THE UNIVERSITY OF ALBERTA IS GLOBALLY RECOGNIZED FOR EXCELLENCE IN RESEARCH AND EDUCATION, WORKING TO POSITION OUR COMMUNITY AHEAD OF ECONOMIC CYCLES, ECOLOGICAL SHIFTS, COMPETITIVE OPPORTUNITIES, AND DISRUPTIVE TECHNOLOGIES BY PUSHING THE BOUNDARIES OF DISCOVERY, KNOWLEDGE, AND INNOVATION.

Together, as a community of leaders, we have developed a multi-layered plan with achievable short-term accountabilities and long-term goals within a five year timeframe.

Standing together upon a strong foundation built by our alumni, donors, community, and industry partners, we continue to focus on our mission of conducting world-leading research and the authentic teaching and training of the next generation of scientists. After all, they are the pipeline of discovery, innovation, and talent that will make our world a better place, foster our community, and fuel the economy in Edmonton, Alberta, Canada, and beyond.

MATINA KALCOUNIS-RUEPPELL / Dean, Faculty of Science



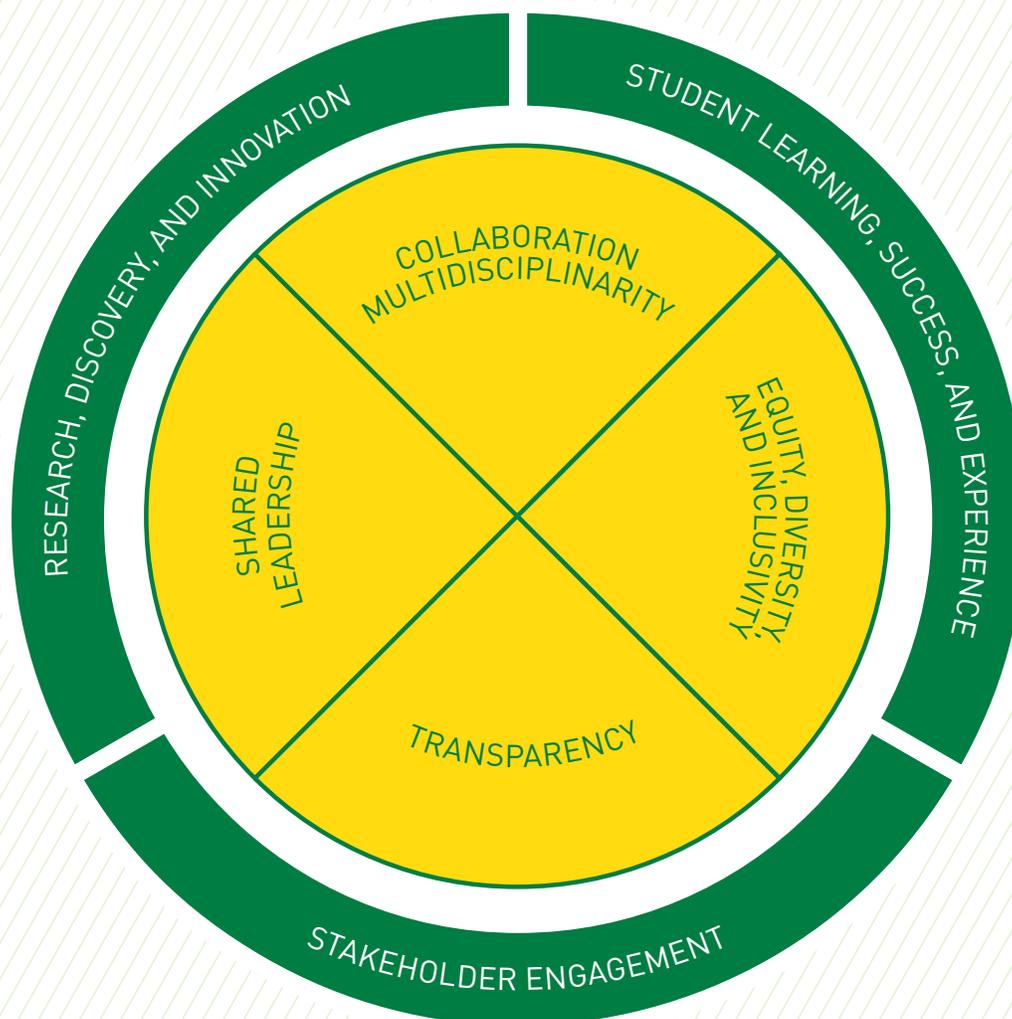
VISION

To inspire outstanding achievements in scientific learning, discovery, innovation, and leadership for a better world.

MISSION

The Faculty of Science positions Alberta and Canada at the global forefront of scientific research and education.

PILLARS & FOUNDATION



SCIENCE at the University of Alberta is built upon a foundation of four key elements: collaboration and multidisciplinary; equity, diversity, and inclusivity (EDI); fiscal responsibility; and shared leadership. These fundamental components are woven into all that we do in the Faculty of Science.

Upon this foundation are three key pillars: world-leading research, discovery, and innovation; student success and experience; and stakeholder engagement. These pillars make up our core mission.

COLLABORATION AND MULTIDISCIPLINARITY

GROUNDBREAKING RESEARCH and world-leading scholarship are rooted in collaboration, diverse perspectives, and a willingness to reach across traditional disciplinary lines to work together to drive the future of our world. This collaboration occurs within our faculty, with others in the University of Alberta community, as well as our fellow academic institutions and our partners in government and industry. We will continue to build on these relationships.

EQUITY, DIVERSITY, AND INCLUSIVITY (EDI)

WE ARE COMMITTED to creating a representative science talent pipeline reflective of the makeup of Alberta and our world, including women, members of racialized communities, Indigenous peoples, people with disabilities, and LGBTQ2S+ people. Our balanced and inclusive working environment will attract the diverse group of students, staff, and scientists that will be our future.

TRANSPARENCY

OUR FOUNDATION is built on open and transparent communication. Success in the mission and vision of the Faculty of Science relies on input from and communication with all of our community. Transparency in decision making around research, education, and engagement as well as fiscal accountability are our priorities.

SHARED LEADERSHIP

WE WILL FOCUS on cultivating leaders and a mindset of accountability and leadership within our entire community, including our faculty, our staff, and our students. Our faculty members and staff will emulate responsible, inclusive leadership. And while they are here, our students will cultivate their own leadership skills and become the world's leaders once they leave.

WORLD-LEADING RESEARCH, DISCOVERY, AND INNOVATION

OUR SCIENTISTS are working today to solve the problems of tomorrow, addressing some of our most pressing concerns as a society. Our students, graduates, alumni, and researchers will be key drivers of Alberta's growing innovation ecosystem through discovery, research, and innovation and the application of those contributions.

+15% increase

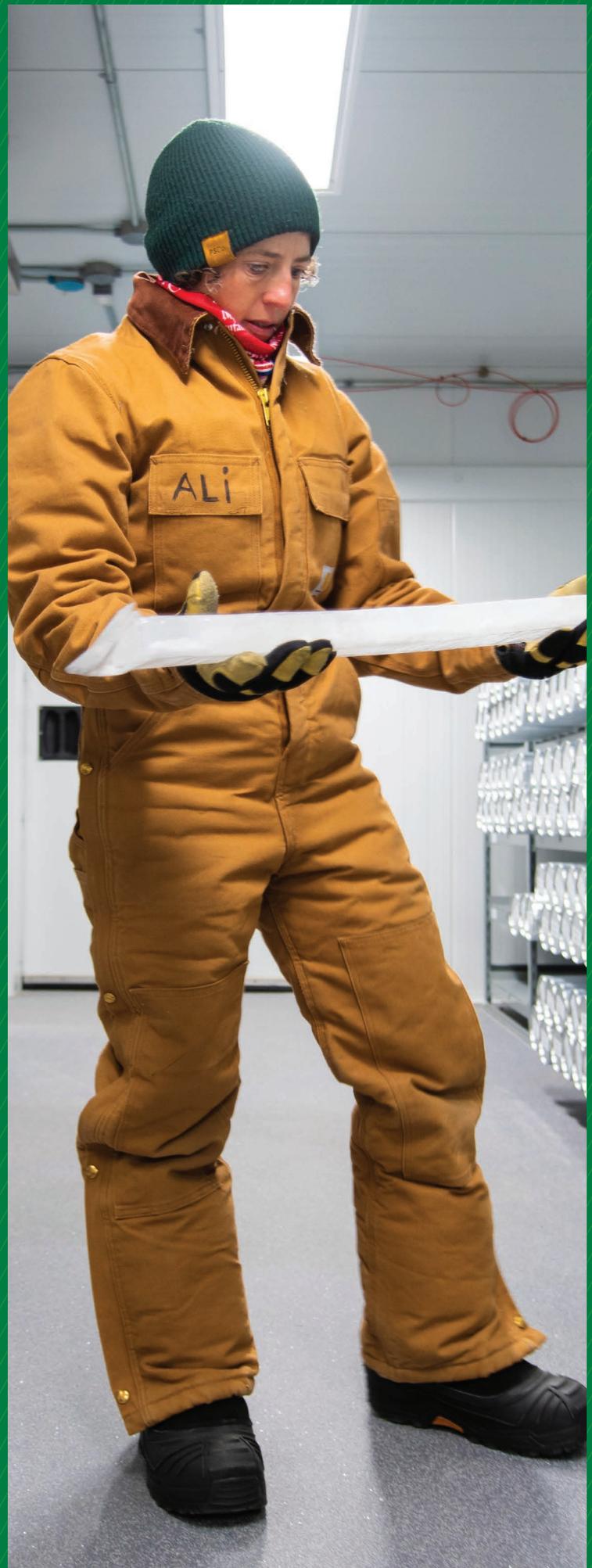
Increase research funding by **15%** by increasing the number of grant applications and improving our success rate by 2025.

Strengthen

Strengthen our pool of talented scientists by increasing the number of postdoctoral fellows positions by **18%**.

113 → 140

Increase the number of interdisciplinary proposals with teams of lead investigators from multiple departments and faculties from **113** to **140**.





PILLARS

STUDENT LEARNING, SUCCESS, AND EXPERIENCE

WE ARE TRAINING the workforce of tomorrow through work-integrated, interdisciplinary, and high-impact experiential learning. We offer the highest number of labs and field schools for undergraduate students in Canada, and have a robust student internship program, and student innovation spaces for student experience, success, and professional development.

Enrolment

Educate and train the next generation of scientists, increasing enrolment to **7,800+** undergraduate students and **1,290** graduate students by 2025.

Double

Double the number of students participating in the Science Internship Program by 2025.

Support

Provide opportunities and financial support for students to participate in work-integrated learning experiences.

Double

Double the number of Indigenous students in graduate and undergraduate programs.

STAKEHOLDER ENGAGEMENT

CONNECTING WITH OUR COMMUNITY

is key to our future. Through engagement and knowledge translation efforts, including public and K-12 programming, we share the groundbreaking work of the Faculty of Science with the world, inspiring the future of learning, discovery, innovation, and leadership.

Alumni

Demonstrate increased engagement with our remarkable alumni community by **10%** by 2025.

Partners

Expand and strengthen industry partnerships.

\$50M

Build **\$50M** in philanthropic support for strategic priorities in the Faculty of Science by 2025.



FACULTY OF SCIENCE

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The University of Alberta respectfully acknowledges that we are located on (Amiskwacîwâskahikan) Treaty 6 territory, a traditional gathering place for diverse Indigenous peoples including the Cree, Blackfoot, Métis, Nakota Sioux, Iroquois, Dene, Ojibway/Saulteaux/Anishinaabe, Inuit, and many others whose histories, languages, and cultures continue to influence our vibrant community.



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