

The background features a large, white iceberg floating in dark teal water, set against a deep blue sky. In the bottom right corner, there is a white geometric pattern of intersecting lines forming a complex, crystalline structure.

UBC Applied Science Research and Partnerships

2024-25 Annual Report



THE UNIVERSITY OF BRITISH COLUMBIA
Faculty of Applied Science



Table of contents

Message from the Associate Dean, Research and Partnerships	4
APSC Strategic objectives	5
Our strategies: Impactful research and complex challenges	7
Complex challenges: Seeding and supporting research clusters	8
Green innovation at UBC Okanagan's Clean Tech Research Centre	9
Collaborating to transform rights-of-way at +1 events	10
Funding	11
Impactful research: Alliance grants	12
Impactful research: Investments in infrastructure	14
Impactful research: Research Chairs	15
Complex challenges and impactful research: Benchmarking and reputation	16
Complex challenges and Impactful research: APSC in the media	17
International collaboration	18
Our strategies: Strategic partnerships	19
Industry partnerships	19
Community partnerships	20
The Rio Tinto Centre for Future Materials	21
Community-engaged research in Kenya	22
Nature-based solutions reshaping design, sanitation and construction industries	23
Awards and recognition	24
Our strategies: Innovative spirit and entrepreneurial thinking	25
Innovative spirit and entrepreneurial thinking: APSC spinoffs and associated companies	26
CREATE grants: Training the next generation of innovators and entrepreneurs	27
APSC Research Support Landscape	28
Contact	32



Message from the Associate Dean, Research and Partnerships, Faculty of Applied Science Dr. Walter Mérida

The 2024/25 Research Report highlights a year of exceptional achievement, impact and momentum across the Faculty of Applied Science (APSC) at the University of British Columbia. Our researchers continued to **push the boundaries of innovation**—addressing urgent challenges such as climate change, clean energy, health equity, resilient infrastructure and the future of cities. Through innovations in battery storage, AI-enabled health care, sustainable materials and community-led systems design, APSC research **continues to deliver measurable, real-world outcomes** at the local, national and global scale.

This work is closely aligned with Canadian priorities. The 2025 federal budget emphasizes sustainability, affordable housing, health care and national defence—aiming to modernize infrastructure and catalyze innovation. Our research advances these goals through interdisciplinary collaboration, innovation and deep engagement with communities and partners.

In the past year, APSC secured \$98 million in research funding from Canadian and international sources, advanced interdisciplinary research by leading collaborative clusters and training programs, and entered a global partnership with one of the world's largest companies. We now hold the highest number of Canada Research Chairs in our history, are responsible for 27 per cent of UBC's issued patents and capture 12 per cent of the university's total industry funding.

We continue to deepen our **community-engaged research** activities as we work with Indigenous communities, governments and non-profit organizations to ensure our research is inclusive, collaborative and grounded in shared outcomes. We are architects, engineers, nurses, planners, scientists, humanists and policy-makers—a dynamic and vibrant community of over 300 researchers, nearly 500 staff and more than 2,500 graduate students and postdoctoral researchers working together to answer the call of our Strategic Plan to *transform tomorrow*.

This year also marks a leadership transition. After nearly eight years as Associate Dean, Research and Partnerships, I'm proud to pass the expanded portfolio—which now includes graduate studies and awards—to Dr. Vicky Bungay, Professor, School of Nursing, beginning July 1, 2025.

I invite you to explore this report to learn more about the people, projects and partnerships that are driving research excellence at APSC. On behalf of the Faculty, I extend sincere thanks to all who have contributed to our collective success and to the future we are committed to shaping through research, innovation and impact.

Dr. Walter Mérida, FCAE, PEng

Associate Dean,
Research and Partnerships,
UBC Faculty of Applied Science

APSC STRATEGIC OBJECTIVES

From the APSC Strategic Plan

“Transforming Tomorrow”

RESEARCH, INNOVATION AND PARTNERSHIPS ARE CENTRAL TO MANY OF THE PLAN'S 17 STRATEGIES AND SUPPORT OUR VISION OF THRIVING PEOPLE, PLACES AND PLANET

- 7 **INNOVATIVE SPIRIT**
Create time and space for innovation.
- 11 **ENTREPRENEURIAL THINKING**
Nurture the entrepreneurial mindset and venture creation to support innovative and transformational solutions.
- 12 **IMPACTFUL RESEARCH**
Advance disciplinary knowledge and the translation of research and innovation for societal impact.
- 13 **COMPLEX CHALLENGES**
Tackle complex local and global challenges with an interdisciplinary and systems-based approach.
- 14 **STRATEGIC PARTNERSHIPS**
Collaborate with purpose in strategic, long-term partnerships.

TRANSFORMING THE WORLD



Solutions for People

Developing the health, technology and equity solutions that serve our communities and the individuals within them.



Thriving Cities and Communities

Improving how we move, work and connect to create healthier, safer and more productive communities.



Planetary Health

Spearheading efforts to accelerate global environmental action.

“Our core purpose is to discover, design and innovate; provide unwavering top-tier education; and champion a community of responsible professionals.”

James Olson,
Dean, Faculty of Applied Science

OUR PEOPLE

5 SCHOOLS

- School of Architecture and Landscape Architecture
- School of Biomedical Engineering
- School of Community and Regional Planning
- School of Engineering (UBC Okanagan)
- School of Nursing

6 ENGINEERING DEPARTMENTS

- Chemical and Biological Engineering
- Civil Engineering
- Electrical and Computer Engineering
- Materials Engineering
- Mechanical Engineering
- Mining Engineering

APSC ACROSS BOTH CAMPUSES

321 **Tenure-stream faculty:**
267 researchers
54 educational leaders
(10.6% of UBC's total)

158 **Postdoctoral researchers**
(17.8% of UBC's total)

2,453 **Graduate students**
(19.4% of UBC's total)

448 **Full-time staff**

OUR IMPACT

~8,000 PUBLICATIONS (2020-2025)

>132,000 citations
524 patents filed
241 patents issued

1,341 PUBLICATIONS (2024/25)

>6,000 citations
66 patents filed
52 patents issued

TOP 1%

of papers and citations in topic areas spanning engineering, computer science, energy, environment and medicine

NEARLY HALF (49%)

of our publications resulting from **international collaboration**

1,181 INSTANCES OF MEDIA COVERAGE

across newspapers, radio, TV and online (July 1, 2024, to June 30, 2025), up slightly from 1,004 in the prior year. Industry coverage represents one-third of the total, with two-thirds of coverage in mainstream outlets.

OUR FUNDING

\$98M

in funding in 2024/25, including \$34 million from the Tri-Council

12% of UBC's total industry funding

29% of UBC's total NSERC funding

31 CANADA RESEARCH CHAIRS

4 NSERC Industrial Research Chairs and one Canada Excellence Research Chair

1 (of UBC's 22) Clarivate Highly Cited Researchers (of the world's population of scientists and social scientists, highly cited researchers are 1 in 1,000)

RANKINGS IN 2025

QS World University Rankings

UBC overall: 40th in the world

Engineering: 31st in the world, 2nd in Canada

Nursing: 16th in the world, 3rd in Canada

Civil and Structural Engineering: 25th in the world, 1st in Canada

Mineral and Mining Engineering: 9th in the world, 2nd in Canada

Chemical Engineering: 48th in the world, 3rd in Canada

Electrical Engineering: 36th in the world, 3rd in Canada

Our strategies: Impactful research and complex challenges

Johan Foster Lab

The Faculty of Applied Science attracted **\$98 million in research funding in 2024/25**. By drawing on expertise across diverse fields, APSC researchers thrive in large, multidisciplinary team efforts that deliver meaningful research and address some of today's **most pressing challenges**, including climate change mitigation and the sustainable use of our planet's resources. The Faculty continues to attract funding across all sectors and is increasingly **diversifying our funding sources**. While we remain competitive with Tri-Council grants, averaging ~\$33 million annually from the Natural Sciences and Engineering Research Council (NSERC), Social Sciences and Humanities Research Council (SSHRC) and the Canadian Institutes of Health Research (CIHR) over the past five years, we have seen notable increases in engagement with, and funding from, the non-profit sector. This reached a **five-year high of \$30 million** in 2024/25, reflecting the important societal impact of, and need for, APSC research. Our faculty also achieved significant success on the international stage, including seeding new collaborations aimed at securing Horizon Europe grants and signing major consortium partnership agreements with a globally recognized industry leader.

TOTAL FUNDING ACROSS APSC 2024/25

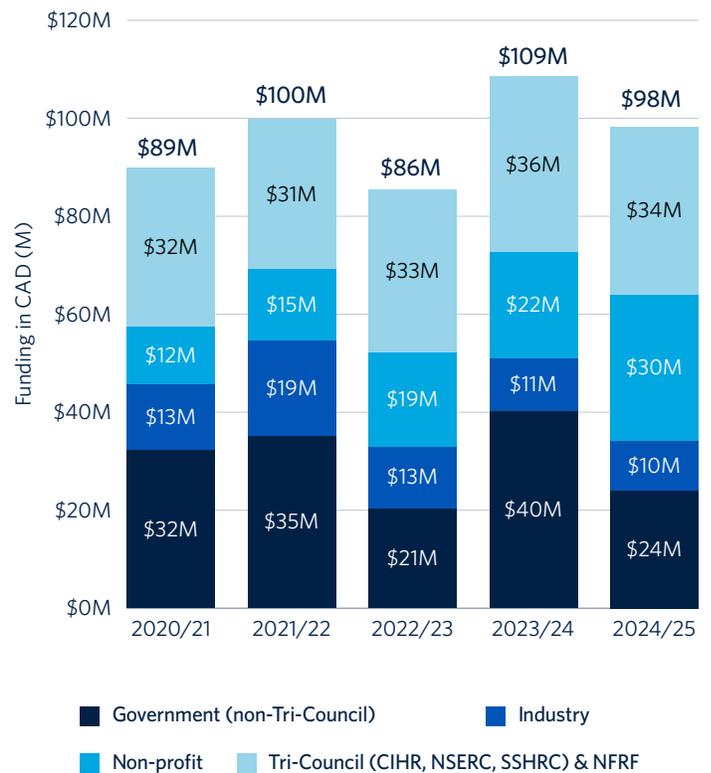


Figure 1: Overall research funding amount at the APSC Vancouver and Okanagan campuses, 2020-2025.

Data is obtained from UBC's RISE system and is organized by fiscal year (e.g., 2021-2022 = April 2021 to March 2022 = Grant Year 2022). Tri-Council = NSERC, SSHRC, CIHR and the New Frontiers in Research Fund (NFRF).

Industry = for-profit organizations. Non-profit funding includes internal UBC funding.

COMPLEX CHALLENGES

Seeding and supporting research clusters

UBC’s annual Grants for Catalyzing Research Clusters (GCRC) and Eminence programs provide up to \$200,000 per cluster to spark new ideas and grow collaborative research teams. By bringing together experts from different fields, these grants help tackle some of today’s biggest challenges.

Capitalizing on the Faculty’s diverse strengths, **APSC researchers currently lead 13 of these interdisciplinary clusters** across both campuses, bringing in \$1.6 million in funding in 2024/25. Awardees in the 2025/26 GCRC competition include both new and returning teams spanning research across our Faculty’s priority areas: **planetary health** (Pacific Rim Initiative for Sustainable Marine Systems), **solutions for people** (Characterization@UBC) and **thriving cities and communities** (Rethinking the Right-of-Way). Leveraging this seed funding, several APSC-led clusters have scaled into major initiatives, including the new **Battery Innovation Research Excellence Cluster** at UBC Okanagan (see highlights on next page).

UBC-Vancouver Grants for Catalyzing Research Clusters

RETURNING CLUSTERS

Rethinking the Right-of-Way: Dr. Kelly Clifton, SCARP

Smart Infrastructure and Construction: Dr. Tony Yang, Civil Engineering

NEW CLUSTERS

Characterization@UBC: Dr. Ben Britton, Materials Engineering

Pacific Rim Initiative for Sustainable Marine Systems: Dr. Rajeev Jaiman, Mechanical Engineering

2024/25 RECIPIENTS (SECOND YEAR OF TERM)

Disaster Resilience: Dr. Carlos Molina Hutt, Civil Engineering, and Dr. Sara Shneiderman, Anthropology

TrustML: Dr. Julia Rubin, Electrical and Computer Engineering

Future Minerals Initiative: Dr. Nadja Kunz, Mining Engineering/School of Public Policy & Global Affairs

Reducing Male Suicide: Dr. John Oliffe, School of Nursing

Thriving in Community: Re-Imagining Supports for Children with Medical Complexity and their Families: Dr. Jennifer Baumbusch, School of Nursing

UBC-Okanagan Eminence Clusters

RETURNING CLUSTERS

Battery Innovation: Dr. Jian Liu, Mechanical Engineering

Build Better: Dr. Lisa Tobber, Civil Engineering

Solar Energy for Net Zero: Dr. Alexander Uhl, Electrical Engineering, and Dr. Robert Godin, Chemistry

Green Infrastructure: Dr. Shahria Alam, Civil Engineering

Note that the Eminence program was paused in 2024

Together with our Department- and School-embedded colleagues, the APSC Research and Partnerships team has provided extensive support to the GCRC and Eminence competitions since their inception. In addition to pre-award services, such as team and partnership development and proposal review, our team administers the APSC Cluster Advancement Program, which provides additional funding to ensure our clusters receive the ongoing support they need to expand their reach, success and impact.



PhD student Rashiga Walallawita demonstrating his research. Source: H2Lab

“The battery innovation centre is a monumental step forward for British Columbia’s clean-energy transition,” said Josie Osborne, Minister of Energy, Mines and Low Carbon Innovation, who visited UBC Okanagan to announce the funding in July 2024. *“People and industry are increasingly relying on battery-powered devices for cellphones, electric vehicles, medical equipment and more. This project will see multiple benefits, opening up new research and development opportunities and creating quality jobs for British Columbians.”*

HIGHLIGHT STORY

Green innovation at UBC Okanagan’s Clean Tech Research Centre

With \$1.9 million in funding from Pacific Economic Development Canada and support from NSERC, UBC and industry partners, the Centre connects researchers and companies to accelerate Canada’s transition to a low-carbon economy. Its state-of-the-art infrastructure is powering several cutting-edge clean energy projects—two of which are featured here.

The Battery Innovation Centre: Dr. Jian Liu, Associate Professor in Mechanical Engineering at the School of Engineering, and fellow researchers in the Eminence-funded Battery Innovation Research Excellence Cluster have been awarded \$2 million through BC’s Innovative Clean Energy Fund to establish the Battery Innovation Centre at UBCO. Up to now, Dr. Liu and his team have focused on studying batteries at the atomic structural level, testing innovative new materials in coin cell batteries such as those used in watches and key fobs.

With this investment, Dr. Liu’s research will move to the next phase: investigating new materials and processes to produce larger “pouch” and cylindrical cells. The 2,000-square-foot pilot facility—the first of its kind in Western Canada—will produce commercial-scale pouch cells for use in medical devices, electric vehicles and other applications.

It will also host infrastructure enabling the scale-up of next-generation battery technologies with increased energy density, higher safety and lower-cost compared to lithium-ion batteries. Successfully leveraging Eminence funding to significantly expand his research capacity, **Dr. Liu hopes the Centre may one day serve as a national hub** for the development of a stronger Canadian battery ecosystem.



Associate Professor Dr. Jian Liu

H2LAB: The Centre is also home to H2LAB, an innovative hydrogen research laboratory supported by \$3.6 million in funding. This includes \$500,000 from Canadian energy company FortisBC, which is interested in potentially blending hydrogen into its gas supply. “Through innovation, FortisBC is taking steps to help reduce emissions while meeting the energy needs of homes and businesses across our province,” said Dawn Mehrer, FortisBC’s vice president of corporate services and technology. “Our collaboration with UBCO and their research at the H2LAB is a key part of this journey.” Researchers involved in H2LAB include Dr. Joshua Brinkerhoff, Dr. Sina Kheirkhah, Dr. Sunny Li and Dr. Dimitry Sediako, and the lab’s establishment was strongly supported by Dr. Will Hughes, Director of the School of Engineering.



HIGHLIGHT STORY

Collaborating to transform rights-of-way at +1 events

ReROW event

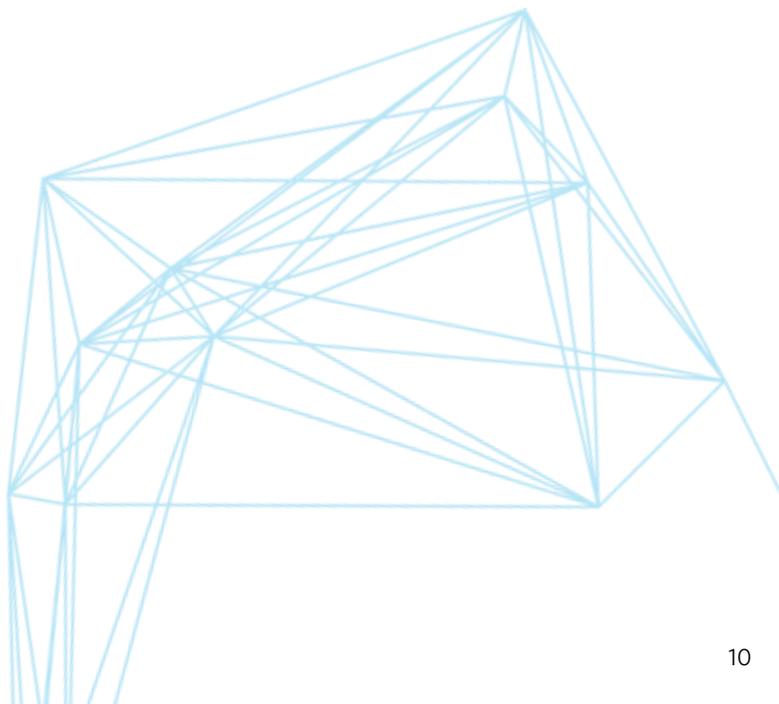
Rethinking the Right-of-Way (ReROW) is a transdisciplinary, GCRC-funded research cluster formed to support the transformation of streets into more healthy, sustainable and equitable places.



Led by Dr. Kelly Clifton (Professor, SCARP), ReROW includes 15 researchers and their highly qualified professionals across four Faculties. The group works in close collaboration with

Mobility Foresight (a strategic planning advisory firm) to connect research with practice and build a regional network to solve challenges converging in public streets and rights-of-way. Organized around three overlapping themes—Mobility and Place, Energy and Environment, and Health and Well-Being—ReROW aims to be a research leader in the complex issues that converge rights-of-way.

Over the 2024/25 academic year, ReROW held two workshops with members and regional partners, inviting public transportation leaders to join us and bring a “+1” from outside the mobility sector. These highly interactive events delved into the diverse challenges that regional public agencies face in the right-of-way, proposed a research agenda that aligns with faculty expertise, and advanced efforts towards a regional network to exchange and mobilize knowledge. With funding renewed through 2027, ReROW plans to host four more workshops and a regional symposium to continue exploring how impactful research partnerships can guide street transformation and help meet urban health, equity, environment and social goals.



Funding



Our consistently highest sources of funding include:

NSERC Discovery Grants:

With \$41 million in funding over the past five years to support foundational research, the Discovery Grant program once again remains APSC’s top source of funding in 2024/25.

Canada Foundation for Innovation (CFI):

\$27 million in funding over the last five years through the John R. Evans Leaders Fund (JELF) and Innovation Fund (IF), and matching provincial funding through the BC Knowledge Development Fund (BCKDF) (\$21 million since 2020).

This equates to over \$67 million in total funding when matching funds (vendor discounts or internal contributions) are included.

NSERC Alliance program:

\$30 million in leveraged NSERC funding over the last five years from all Alliance streams.

APSC had a success rate of 60% in 2024 across the various Alliance streams, 10 percentage points higher than the national average.

Figure 2: Funding programs/sponsors with funding amounts >\$2.0 million for APSC Vancouver and Okanagan campuses (2020-2025). There are also 100+ programs/sponsors with funding amounts <\$2.0 million (e.g., Connect and Catalyst grants) over the same time period (not shown).

HIGHLIGHT STORY

IMPACTFUL RESEARCH

Alliance grants

APSC researchers continue to lead UBC in achieving the highest number of successful submissions for Alliance grants. Our researchers have been successful in all streams of the Alliance program, from high-value, industry-relevant “Advantage” grants to community-based “Society” projects and “International” collaborations. This year, 33 new and 59 existing projects led by researchers across the UBC Vancouver and Okanagan campuses were awarded **nearly \$8 million in NSERC Alliance funding**, in addition to partner cash contributions and other leveraging sources such as Mitacs via joint programs. A wide variety of projects were supported, including those in artificial intelligence, resilient buildings and infrastructure, and solutions to help achieve a more sustainable future.



Dr. Fariborz Taghipour, Professor of Chemical and Biological Engineering, was among four UBC researchers funded through the NSERC-SSHRC Sustainable Agriculture Research Initiative (SARI),

a joint initiative between NSERC and SSHRC, in collaboration with Agriculture and Agri-Food Canada (AAFC). Dr. Taghipour and his team were awarded \$2.6 million to develop solutions towards sustainable agriculture. Other partners include AUG Signals Ltd., the National Research Council and Smart Agrobotic Technologies Inc.

Recent highlights include:



Dr. Ben Britton, Materials Engineering: *Advancing understanding of lightweight cast and sheet aluminum alloys: \$787,015 (NSERC Alliance Advantage); Partner: Ford Motor Co. of Canada Ltd.*



Dr. Bhushan Gopaluni, Chemical and Biological Engineering: *Timely and extended monitoring in emergencies and disasters: \$483,000 (NSERC Alliance Mitacs); Partner: Rogers Communications Inc.*



Dr. Dominic Liao-McPherson, Mechanical Engineering: *Multi-agent energy systems in transmission grid real-time operation: \$245,000 (NSERC Alliance International Collaboration)*



Dr. Lisa Tobber, School of Engineering: *Experimental investigation into the seismic performance of vertically connected PC shear walls: \$390,000 (NSERC Alliance Advantage); Partner: Canadian Precast/Prestressed Concrete Institute*

In collaboration with colleagues across UBC, the Research and Partnerships team provides extensive partnership and grant development support for Alliance grants. Led by Dr. Atif Hussain, Research Development Associate (now in another unit at UBC as of August 2025), the team supported over 25 projects in 2024/25.

Funding facts



Tri-Council funding within the Faculty is led by **NSERC** (\$27.5 million, 29 per cent of UBC's total NSERC funding in 2024/25), followed by **CIHR** (\$3.2 million), **NFRF** (\$2.4 million) and **SSHRC** (\$0.9 million). Chemical and Biological Engineering captured the largest share of NSERC funding this year, while the School of Nursing captured the largest share of both CIHR and SSHRC funding.



48%
GROWTH IN AVERAGE FUNDING PER PROJECT OVER THE PAST 5 YEARS

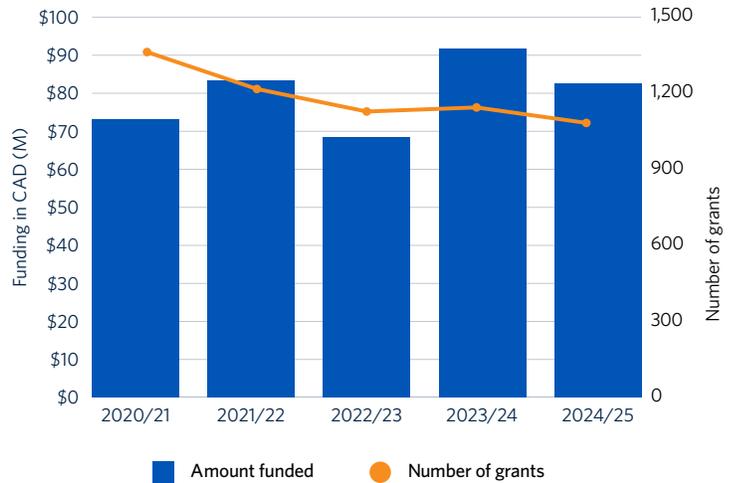
Over the past five years, the average **funding per project** at APSC has increased from \$51,737 to \$76,378, representing **48 per cent growth** and indicating that APSC faculty are applying for—and succeeding at—larger, higher-value grants, in alignment with UBC's strategic research priorities.



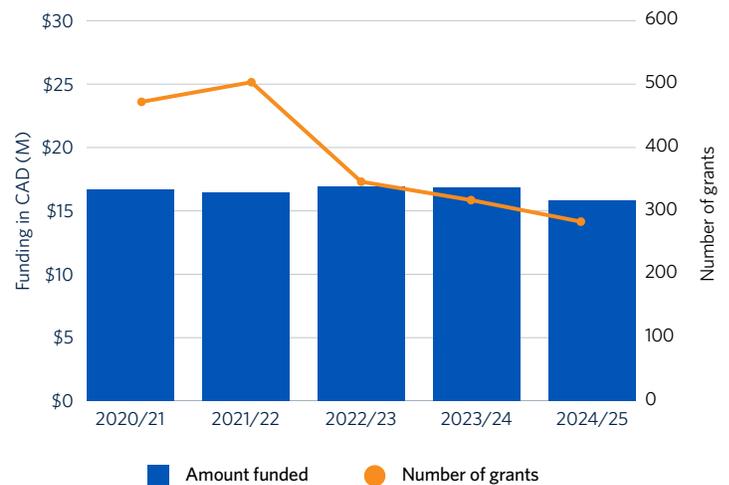
APSC captured 10.5 per cent of UBC's total funding (third overall), and 12.1 per cent of UBC's industry funding (\$10.1 million, second overall) in 2024/25. This number has remained stable in recent years, highlighting a significant opportunity for growth. With industry funding currently representing only 8-10% of UBC's overall research income, there is substantial untapped potential to deepen partnerships and expand collaborative, industry-driven research.

APSC FUNDING

APSC Vancouver



APSC Okanagan



APSC Overall

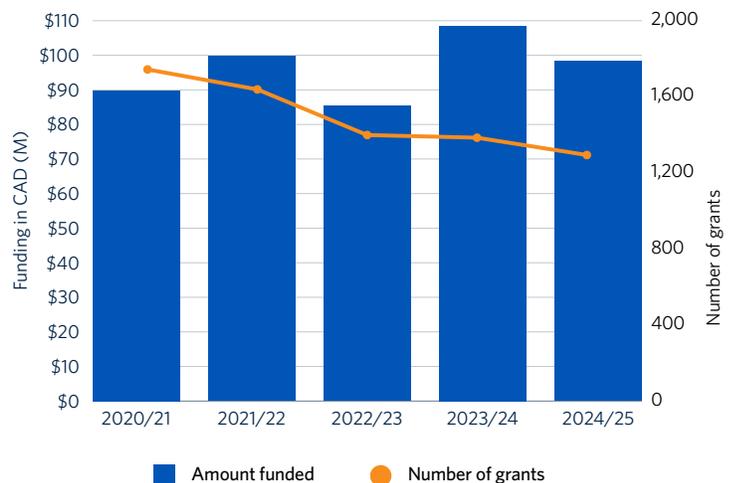
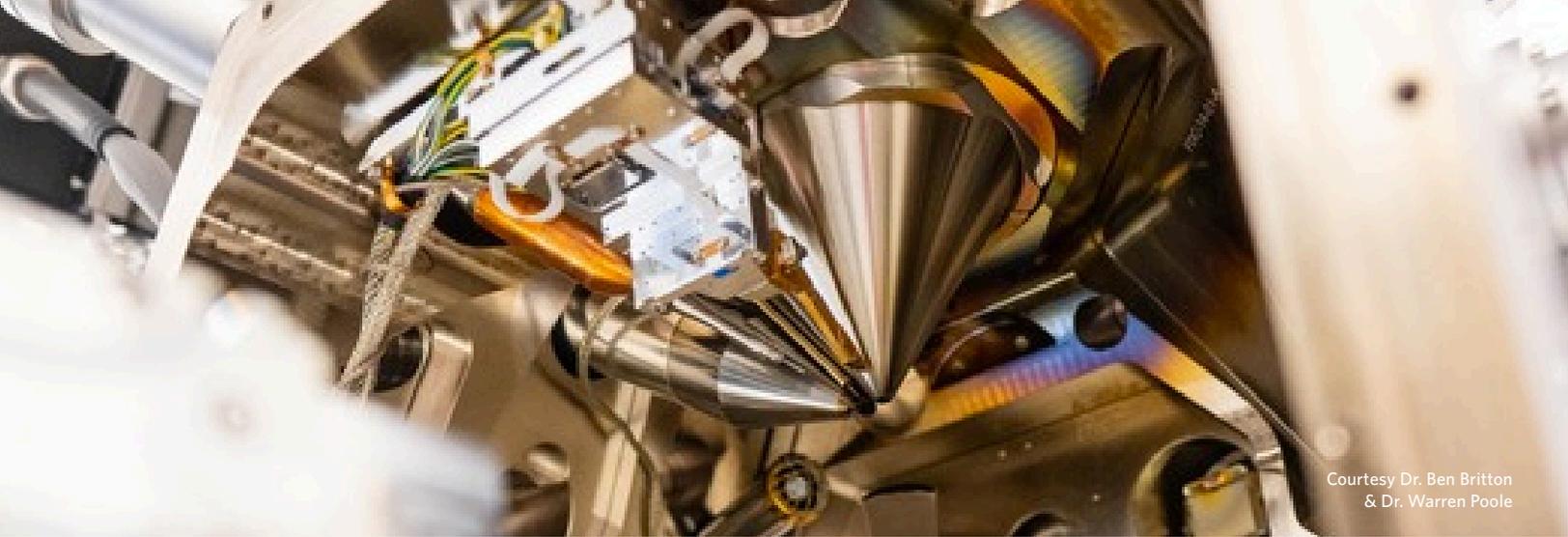


Figure 3a: Total funding amount (blue bars) and number of grants (orange line) across the APSC Vancouver and APSC Okanagan campuses (2020-2025). Total funding = sum of government (non-Tri-Council), industry, non-profit and Tri-Council (NSERC, SSHRC, CIHR and NFRF) funding.



Courtesy Dr. Ben Britton & Dr. Warren Poole

IMPACTFUL RESEARCH

Investments in infrastructure

The Faculty of Applied Science hosts world-class infrastructure and facilities across its centres, departments and schools, funded in part by Canada’s national infrastructure program, the Canadian Foundation for Innovation (CFI), and its provincial counterpart, the BCKDF. Recent major projects include over **\$11 million in funding awarded** in the 2022 CFI Innovation Fund competition to Dr. Ben Britton (Materials for Net-Zero; advanced microscopy infrastructure) and Dr. Orlando Rojas (BioSEED; biopolymer extraction, design and synthesis-related equipment).

In 2024/25, five APSC researchers received \$980,000 in CFI JELF funding for projects addressing critical areas such as clean and efficient chemical production, advanced safety systems for technology and automation, next-generation marine robotics and AI-powered medical imaging. Together, these projects demonstrate how strategic investments in research infrastructure continue to drive innovation with real-world impact.

2024/25 JELF AWARDEES: \$979,860

- Dr. Eric Lees**, Chemical and Biological Engineering
- Dr. Klaske van Heusden**, School of Engineering
- Dr. Adrien Desjardins**, Electrical and Computer Engineering / Mechanical Engineering
- Dr. Purang Abolmaesumi**, Electrical and Computer Engineering
- Dr. Yuan Yao**, Mechanical Engineering

Bringing extensive institutional knowledge, Ms. Meisan Brown-Lum, Research Development Associate on the R+P team, has been instrumental in supporting APSC JELFs and IFs since starting with us in 2023.

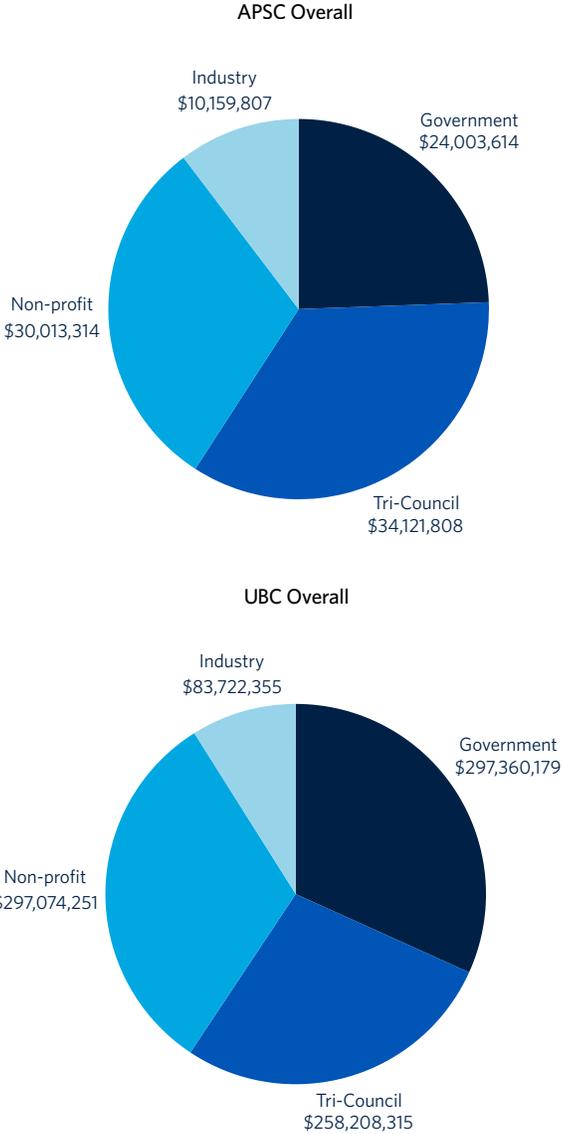


Figure 3b: Funding by sector at UBC overall.

IMPACTFUL RESEARCH

Research Chairs

As part of UBC's Canada Research Chair (CRC) reallocation process, the Faculty of Applied Science was awarded **seven net-new CRCs, bringing the total from 24 to 31** (22 Tier 2 and nine Tier 1) representing 16 per cent of UBC's overall CRC allocation.

This outstanding result, which was APSC's largest-ever single-year increase, highlights our researchers' exceptional ability to capture an ever-growing share of Tri-Council funding. Over the next year, APSC will be submitting a record number of 11 CRC applications, which, taken together, are valued at up to \$11.6 million in funding over the terms of the Chairs. The Faculty has boasted a 100 per cent success rate on CRC awards since 2016, and is proud to host Chairs across all three councils (three SSHRC, six CIHR and 22 NSERC). **New and successfully renewed CRCs in 2024/25 are highlighted below**, showcasing the Faculty's diverse strengths across strategic priority areas such as biomedical engineering and sustainability.

CRC FUNDING

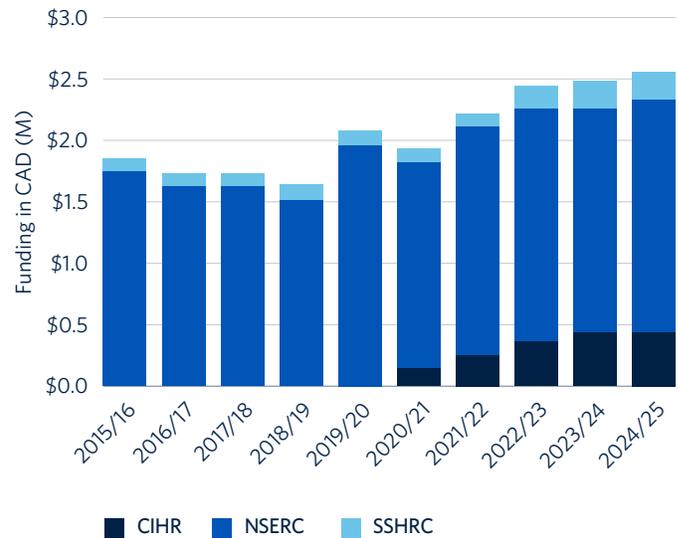


Figure 4: CRC funding and Tri-Council distribution at APSC over the past 10 years. In 2024/25, the CRC program brought in \$2.55 million in funding to the Faculty, the highest amount recorded since data became available.

Canada Research Chairs Awarded at APSC in 2024/25

NEW CHAIR



Dr. Purang Abolmaesumi, Professor, Electrical and Computer Engineering
Tier1 CRC in Biomedical Engineering

RENEWED CHAIRS



Dr. Martino Tran, Associate Professor, SCARP:
NSERC Tier 2 CRC in Computational Urban Science and Planning



Dr. Nozomu Yachie, Professor, SBME:
CIHR Tier 2 CRC in Synthetic Biology

In addition to APSC's 31 Canada Research Chairs, the Faculty is home to four NSERC Industrial Research Chairs, one Canada Excellence Research Chair, one UBC President's Excellence Chair, six Principal's Research Chairs (UBC Okanagan) and numerous named/sponsored chairs. These include Dr. Adrien Desjardins (Electrical and Computer Engineering/Mechanical Engineering), who was named the **Seaspan Chair in Robotics for Marine Vessels**, and Dr. Kasun Hewage (School of Engineering), who was named the **FortisBC Smart Energy Research Chair**, both announced in 2024/25.

The Research and Partnerships team, in particular Dr. Joanne Moszynski, Senior Manager of Research Development, and Ms. Carrie Lam, Research Development Associate, has actively supported CRC applicants since 2016. With our largest-ever cohort of new and renewing CRC applications due in 2025, we look forward to exciting results in 2026.

Benchmarking and reputation

The diversity of APSC research enables us to address complex challenges while producing impactful research across many domains. **APSC researchers publish across almost all subject areas**, with engineering-related subjects making up nearly half of our publications, followed by materials and computer science (20 per cent each), physics and astronomy (17 per cent), medicine (12 per cent) and many more. Our areas of identified strength (Figure 5) reinforce the multidisciplinary expertise within our departments and schools, including social and natural sciences, health research and engineering.

APSC faculty members are **highly collaborative**, with nearly 3,900 publications (49 per cent of total) resulting from international collaboration and nearly 1,500 (19 per cent) resulting from national collaboration over the past five years. On average, papers published with **international collaborators are cited three times more often**, and those published with national collaborators are cited twice as often as those that do not involve collaboration.

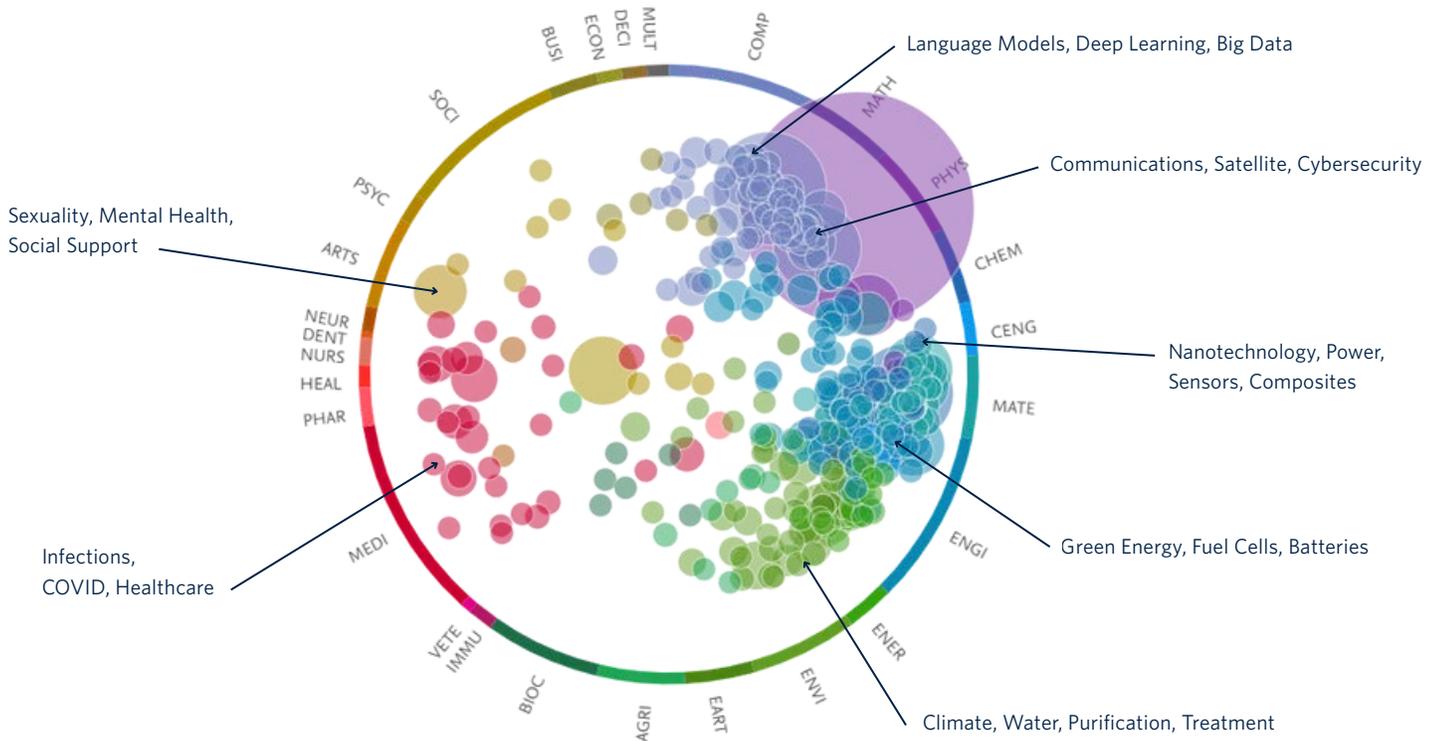


Figure 5: The top 1% of worldwide topics APSC researchers have contributed to over the past five years (2020-2025) (Source: SciVal).

Views per publication	Field-weighted views impact	Output in top 10% citation percentiles	Publications in top 10% journal percentiles
43% above UBC average	12% above UBC average	22% above UBC average	17% above UBC average
77% above U15 average	44% above U15 average	37% above U15 average	25% above U15 average

APSC's individual research impact surpasses that of UBC and the U15 (Canada's top 15 universities) in a number of metrics.

APSC in the media

Applied Science research received **1,181 media mentions in 2024/25**, up slightly from last year. Not counting duplication due to syndication, the majority of this coverage (67 per cent) is in mainstream outlets such as the Globe & Mail, Vancouver Sun, Global News and CBC, and **33 per cent results from industry coverage**.

Below, we've highlighted our most-read news and social media stories over the past year. Spanning our departments and schools, these stories showcase APSC's unique constellation of disciplines and impacts across our priority areas (source: APSC and UBC Media, time range of July 1, 2024, to June 30, 2025).



GLOBAL NEWS

Players get 'sleepy' brainwaves after soccer headers, UBC study finds

"Delta waves are low-frequency waves linked to drowsiness and sleep," explained Lyndia Wu, lead researcher and an assistant professor of mechanical engineering at UBC.



UBC APPLIED SCIENCE

Next-gen technology helps high-rises ride out earthquakes

UBC researchers have developed a new structural system that helps high-rise buildings withstand major earthquakes —keeping both the building and its occupants safe.



GLOBAL NEWS

Creating nature-based childcare spaces

Susan Herrington is a professor in the landscape architecture program at UBC and talks about how outdoor play environments could benefit children's development.



UBC APPLIED SCIENCE

New stir stick detects drink spiking in seconds

UBC researchers have developed Spikeless, a seemingly ordinary stir stick capable of detecting common drink-spiking drugs like GHB and ketamine within 30 seconds, potentially preventing assaults.



BUSINESS IN VANCOUVER

Made-in-B.C. breakthrough a game changer for heart valve tech, say researchers

Engineers develop a new mechanical valve that mimics the performance of tissue valves while offering lifelong durability, with exciting prospects for pediatric patients.



THE GLOBE AND MAIL

Gender-diverse youth in BC have made strides in accessing community support, but face higher rates of discrimination

A new report from nursing researchers at UBC and the McCreary Centre Society compares data from the 2018 and 2023 BC Adolescent Health Surveys.



Dr. James Olson & Dr. Walter Merida at Hannover Messe

HIGHLIGHT STORY

International collaboration

APSC researchers, faculty and staff are increasingly engaging with international counterparts to access collaborative funding programs, diversify partnerships and work together on problems of global importance.

INTERNATIONAL PARTNERSHIPS

In April 2025, **Dean James Olson led the first-ever APSC delegation to Hannover Messe**, the world’s largest industrial fair. With over 127,000 attendees from 150 countries, the fair showcased advancements in a diverse set of fields, including manufacturing, AI, automation, cybersecurity, energy, robotics and quantum computing.

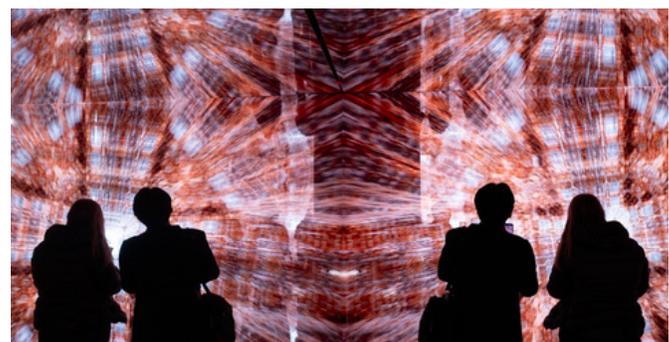


The APSC team highlighted UBC’s research expertise in the fields of materials, advanced manufacturing, and clean energy, which resulted in attracting new partnerships from multinational firms and government organizations.

At the same venue, APSC leadership signed a Memorandum of Understanding (MoU) with the University of Stuttgart and ARENA2036—a public-private partnership focused on next-generation automobiles. The MoU recognizes the importance of **international co-operation and collaboration in achieving our shared goals** of advancing education, research and social progress in the area of sustainable energy and hydrogen. Short- and long-term research projects of mutual interest have been identified and funding mechanisms to pursue the projects are currently being explored.

INTERNATIONAL FUNDING

Located in Belgium, KU Leuven is the largest recipient of Horizon Europe funding and has been one of the most active European universities in pursuing international partnerships. In 2024, KU Leuven named UBC one of their Priority University Partners (the only partner from Canada), enabling UBC researchers to participate in the university’s Global Seed Fund competition. APSC researcher Dr. Adam Clare (Mechanical Engineering) and Dr. Krishna Saxena from KU Leuven co-led one of four successful joint proposals awarded to UBC in the inaugural call, which aims to strengthen partnerships in advance of preparing a Horizon Europe grant. To solidify the relationship and plan for future partnerships, APSC hosted KU Leuven’s President, Professor Luc Sels, on the UBC campus in October 2024.



Our strategies: Strategic partnerships

Gordon B. Shrum Building

Industry partnerships

In 2024/25, APSC researchers attracted **12 per cent (\$10.1 million)** of UBC's total industrial funding (\$83.7 million), second only to the Faculty of Medicine. Canadian companies continued to be the largest source of industrial funding for the Faculty, investing \$3.6 million this year (see Figure 6), **while investment from international companies almost doubled** (to \$2.04 million), primarily due to a major, multi-institutional partnership with global resource giant Rio Tinto. Aligning with our new federal government priorities, APSC has seen increased interest from companies looking for applications in defence, Arctic sovereignty, housing supply, clean energy and climate change mitigation.

As shown in Figure 7, industry funding across both APSC and UBC has continued to decline over the past three years,

creating the need for APSC and our industry collaborators to re-evaluate partnerships and value propositions, especially in the face of the ongoing climate crisis, geopolitical instability and the unprecedented cuts to science and research in the US.

We've also strategically shifted our focus towards delivering **larger, higher-impact projects**. Over the past five years, **average industry funding per project has increased by 70 per cent**—from \$36,100 to \$61,500—highlighting our commitment to maximizing industrial impact and research scalability. Going forward, the Faculty will continue to work with our partners to build consortia and other models to maximize financial contributions, target increased engagement in global collaboration and partnerships, and leverage our faculty's diverse expertise to apply to multidisciplinary funding opportunities with partners across sectors.

FUNDING BY COMPANY LOCATION

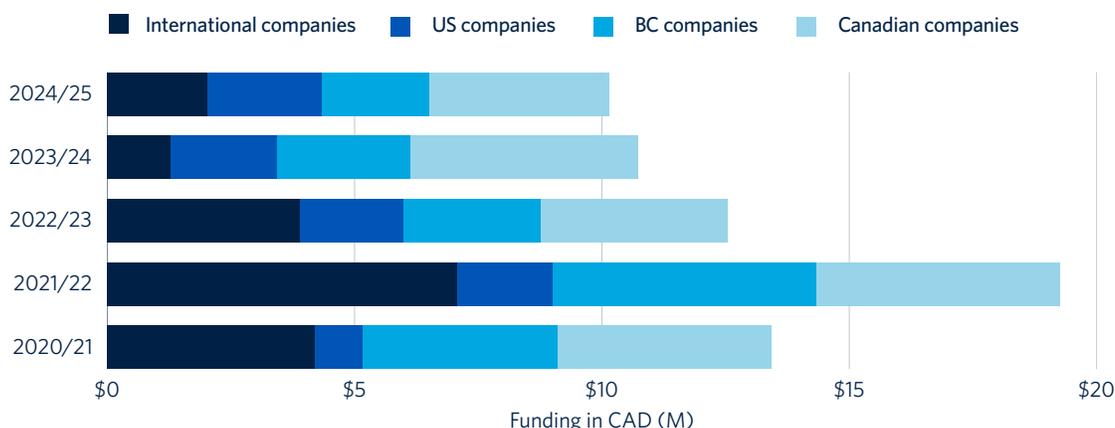


Figure 6: Industry funding across APSC Vancouver and Okanagan campuses (2020-2025) based on company location.

INDUSTRY FUNDING

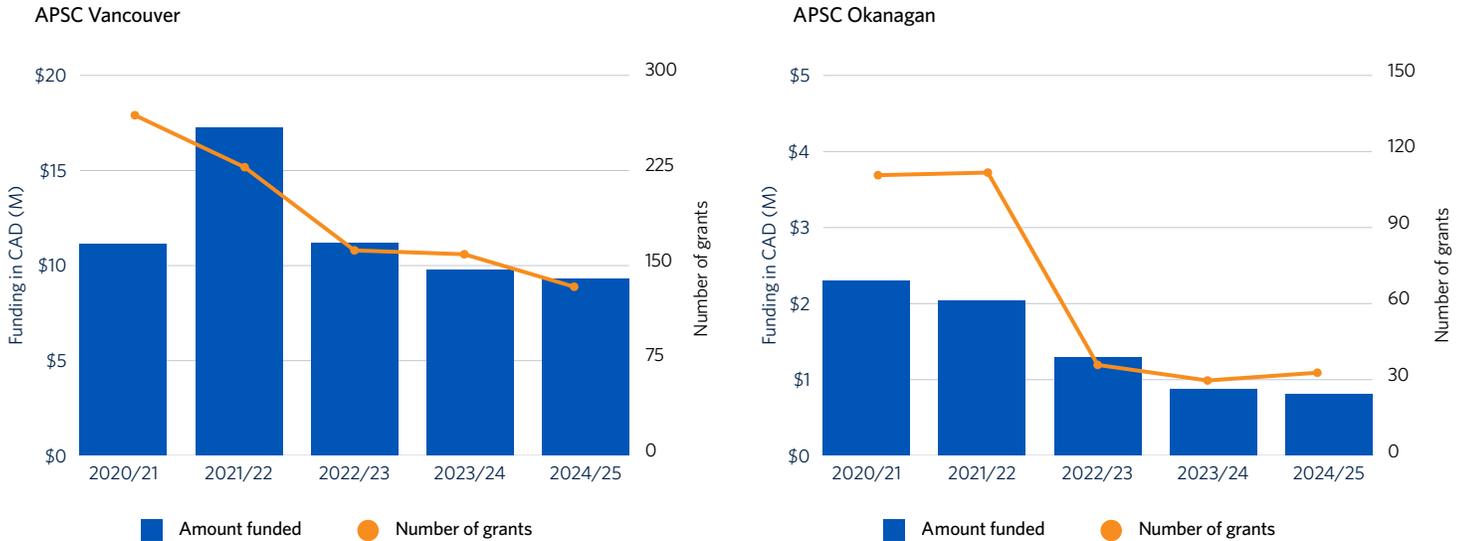


Figure 7: Industry funding amount (blue bars) and number of industry-funded projects (orange line) for APSC Vancouver (left) and the School of Engineering (Okanagan) (right), 2020-2025. Includes contracts and grants.



Community partnerships

APSC researchers are working closely with community and non-profit partners on research that makes a real difference. In 2024/25 alone, nearly 50 partners from sectors across health, the environment, government and economic development contributed a total of \$11.1 million in funding to APSC-led projects, a five-year high of \$30 million in non-profit funding this year. These partnerships include organizations such as Wellcome Leap, the Vancouver Foundation, the Canadian Cancer Society,

Movember Canada and Emissions Reduction Alberta—showing the wide scope and relevance of APSC research.

While funding helps drive these collaborations, the real measure of success is the **lasting social and economic impact** the partnerships have on communities. This impact cannot be captured by numbers alone. The examples below highlight just a few of the ways in which APSC research is contributing to healthier and stronger communities around the world.

HIGHLIGHT STORY

The Rio Tinto Centre for Future Materials

*Launched in 2024, the Rio Tinto Centre for Future Materials (RTCFCM) was created with an investment of US\$150 million over 10 years from Rio Tinto—one of the world’s largest and most influential mining companies—with a vision of **reimagining the mining and materials sectors.***

The Centre is a collaboration between six world-leading partners: Rio Tinto, Imperial College London, the University of California (Berkeley), the Australian National University, the University of the Witwatersrand (Johannesburg) and UBC. The partnership is committed to finding better ways to provide the materials our society needs by applying cutting-edge research to real-world problems while foregrounding environmental, social and economic responsibility.

Bringing together expertise in materials, business, technology, physics, engineering, earth sciences and sustainability, RTCFCM researchers will rethink how the world sources, designs and recycles materials. Beyond extraction, the Centre will work alongside First Nations and Indigenous communities to centre sustainability within mining and exploration, ensuring that cultural knowledge informs how land and materials are valued and managed, and how post-mining landscapes can be transformed into thriving, sustainable ecosystems and economies.

“Critical minerals are the foundation for the clean energy transition and technology we require for a sustainable future,” says Dr. John Steen, Associate Professor in Mining and one of the leads of UBC’s RTCFCM activities. *“We are proud to continue UBC’s longstanding relationship with Rio*

Tinto, and to represent Canada’s expertise in this global effort to address our critical minerals needs, in a way that will protect future generations.”



The RTCFCM steering committee at the launch event in London

CURRENTLY FUNDED PROJECTS: THE COPPER CHALLENGE

To meet society’s ever-increasing electricity demands, in the next 10 years we will need more copper than has been mined in the last century. Conventional copper mining is incredibly wasteful, and with over 200 billion tons of tailings waste and significant copper reserves in waste streams, novel processes are essential to recover copper and other critical metals. The Centre’s inaugural grand challenge focuses on copper, and researchers at APSC and the Faculty of Science are co-leading six of the Centre’s first eight funded projects, aiming to more sustainably mine for copper and reduce waste. [See project details here.](#)

The implementation of this incredible collaboration at UBC was made possible, in part, by Dr. John Steen (Director of UBC’s Bradshaw Research Institute for Minerals and Mining and an RTCFCM technical committee member), Dr. Walter Mérida (APSC Associate Dean of Research and an RTCFCM steering group member) and Ms. Kyra Laverdiere (Senior Manager, Research Partnerships on the Research and Partnerships team).



HIGHLIGHT STORY

Community-engaged research in Kenya

Dr. Beck and Dr. Nyangaresi with the Nyamesocho community

Water research is an area of significant strength in the Faculty, and ensuring access to clean water for all is a passion for many APSC researchers.

Dr. Sara Beck, Assistant Professor in Civil Engineering, and Dr. Paul Onkundi Nyangaresi, a postdoctoral researcher in her lab, have recently developed a novel, **low-cost water-treatment system tailored to the needs of rural communities**. The system uses sand filters and solar-powered UV LEDs to treat rainwater collected in tanks that can store up to 10,000 litres of water to provide plentiful clean water even during periods without rain. To date, their system has been successfully deployed at two sites in Kenya: in 2023, in Dr. Nyangaresi's home community of Nyamesocho and in 2024 at a nearby local school, where students, teachers and families have seen immediate benefits. For example, students no longer need to spend hours collecting potentially unsafe drinking water from creeks and streams, giving them more time for studies, fewer absences from school and better health outcomes.

"We were determined to design a system that was uniquely suited to local needs and customs," says Dr. Beck. "Using local expertise...ensured that the project was community-driven and more sustainable." For Dr. Nyangaresi, who grew up in Kisii County and witnessed the toll of poor water quality himself, this is both a professional and personal achievement. *"It's rewarding to apply my research to help my community,"* he says. *"I feel like I've given back in a meaningful way."* Dr. Nyangaresi received a 2024 Mitacs Innovation Award for Inclusive Innovator of the Year for his contributions—making him one of only eight Mitacs award recipients across Canada.

Dr. Beck and her team continue to develop decentralized water and wastewater treatment solutions, aiming to co-develop appropriate systems for other rural and underserved communities. They are currently in discussions with Indigenous Services Canada to explore potential partnership opportunities.





Prof. Joe Dahmen

HIGHLIGHT STORY

Nature-based solutions reshaping design, sanitation and construction industries

Joseph Dahmen, Associate Professor at SALA, and his team at the Biogenic Architecture Lab, in close collaboration with Dr. Steven Hallam from the Faculty of Science, are leading groundbreaking research into **mycelium-based biocomposites**—living materials grown from mushroom spores and organic waste substrates such as sawdust. Initially aiming to use these **engineered living materials** to reduce the energy and environmental impact of construction materials, Professor Dahmen has leveraged their unique properties in applications ranging from mycelium-based furniture (such as six MycoBenches installed outside UBC's bookstore); mycelium-based compostable toilets for use in areas lacking adequate sanitation (the MycoToilet was the winner of the 2018 BioDesign Challenge from over 300 entries) and, most recently, 3D-printable mycelium-infused hydrogels seeded with reishi hyphae, enabling additive manufacturing of carbon-negative self-healing materials that could one day be used in building construction.

This work has attracted significant funding and partner interest. Recent successful grants include \$250,000 from the New Frontiers in Research Fund - Exploration (modular composting toilet), \$260,000 from Mitacs for the 3D printing research and a UBC GCRC award for the M-Cells cluster co-led by Prof. Dahmen and Dr. Hallam. Integrating interdisciplinary collaborations across design, biotechnology and ecological stewardship, **Prof. Dahmen's work has demonstrated tangible benefits** to remote and hard-to-reach communities (especially those that lack access to adequate sanitation), the environment (by decreasing the carbon footprint of the construction industry) and society (by demonstrating nature-based solutions to local and global challenges).

See two CBC news articles on this research:

[Can we create 'living buildings' made of fungi? And could they help us adapt to climate change?](#)

[Buildings made with fungi could live, grow — and then biodegrade.](#)



MycoBenches at UBC Bookstore

Awards and recognition

APSC is committed to recognizing achievements by nominating faculty for awards that celebrate excellence in research, teaching and service. In support of this priority, the APSC Research and Partnerships team expanded its services in 2024/25 to include **dedicated support for research awards and prizes.**

EXTERNAL (NATIONAL AND INTERNATIONAL) AWARDS

Dr. Yusuf Altintas, Mechanical Engineering:
Officer of the Order of Canada (OC)



"I feel I am paid to have fun by teaching brilliant mechatronics students, and conducting manufacturing research with the most gifted graduate students from different parts of the world."

Dr. Yusuf Altintas;
OC 2024, PhD., P.Eng., FCAE, FNAE, FSC

Dr. Mohammad Arjmand, School of Engineering:
Member of the Royal Society of Canada College of New Scholars, Artists and Scientists

Dr. Xiaotao Bi, Chemical and Biological Engineering:
International Circulating Fluidized Bed and Fluidization Technology Achievement Award

Dr. Adam Clare, Mechanical Engineering:
Fellow of the Royal Academy of Engineering

Dr. Emily Jenkins, School of Nursing:
Fellow of the Canadian Academy of Nursing

Dr. Mark Martinez, Chemical and Biological Engineering:
TAPPI Paper & Board Division's Technical Award & Harris O. Ware Prize; TAPPI Research and Development Division's Technical Award & William H. Aiken Prize

Dr. Ryan Ziels, Civil Engineering:
ISME/IWA BioCluster Rising Star Award

WALL RESEARCH AWARDS (TEAM FACULTY):

Dr. Kiana Amini, Materials Engineering (Lead Principal Investigator), **Dr. Eva Nichols** (Chemistry) and **Dr. Qingshi Tu** (Wood Science): *Development of organic redox flow batteries for clean renewable energy storage applications.*

Dr. Alexander Bigazzi, Civil Engineering (Lead Principal Investigator), **Dr. Kelly Clifton** (SCARP), **Dr. Todd Handy** (Psychology) and **Dr. Eli Puterman** (Kinesiology): *Human-centred design for sustainable transportation in British Columbia: An inclusive approach to infrastructure design based on diverse experiences of walking and cycling.*

Dr. Heather Trajano, Chemical and Biological Engineering (Lead Principal Investigator), **Dr. Xiaotao Bi** (Chemical and Biological Engineering) and **Dr. Ryan Ziels** (Civil Engineering): *Creating an integrated thermochemical and biological platform for waste valorization in British Columbia.*

UBC INTERNAL AWARDS

Dr. Shahria Alam, School of Engineering:
Killam Research Prize

Dr. Mohammad Arjmand, School of Engineering:
Killam Faculty Research Fellowship

The Wall Legacy Awards, newly launched in 2024, marked the first award competition supported by the Research and Partnerships team, led by Ms. Carrie Lam. This inaugural offering was highly competitive, with a -17% success rate overall. APSC researchers led **three of the five successful Wall Research Awards** (Team Faculty), receiving a total of \$600,000 in funding to advance research in critical areas.

Two APSC researchers (Dr. Alexander Uhl and Dr. Eric Lees) were also involved as co-applicants in another successful team award, led by the Faculty of Science. This outstanding outcome reflects APSC's growing leadership in impactful research that addresses pressing global challenges, and underscores the value of proactive awards nomination support.

Our strategies: Innovative spirit and entrepreneurial thinking

Courtesy Dr. Ben Britton
& Dr. Warren Poole

By nurturing a vibrant ecosystem of innovation and entrepreneurship, APSC continues to play a significant role in advancing technological and social innovations, with broad implications for industry, policy and community development both within Canada and internationally. Showcasing our innovative spirit, APSC research has resulted in **over 240 patents issued in the past five years**, and an average of 100 patents filed per year (Figure 8).

The impact of APSC's patents is far reaching, with higher citations per patent than both UBC and the U15. APSC researchers are also very active in translating their research into successful, productive companies, with eight enterprises launched in 2024/25 (see highlight on next page).

PATENT DATA (2020-2025)

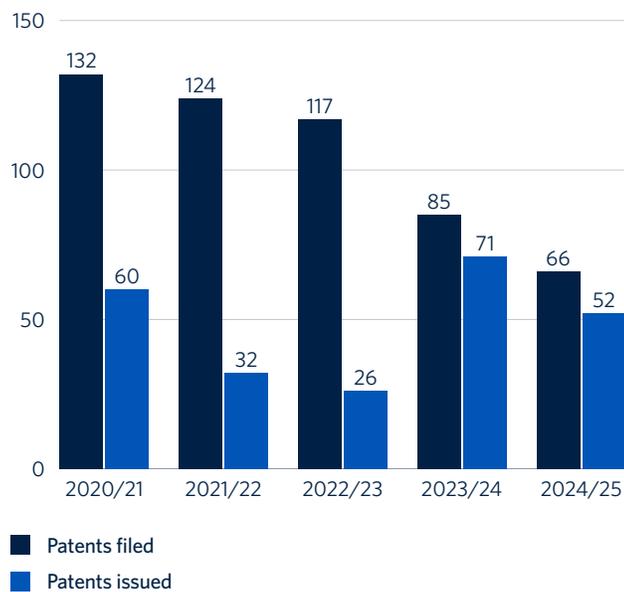


Figure 8: Patents filed for and patents issued, APSC overall (2020-2025). Source: UBC University-Industry Liaison Office. Note that 2025 data does not reflect the complete year.

In 2024/25 APSC accounted for

26% of UBC's total filed patents
27% of UBC's total issued patents
4 of UBC's 15 new spinoffs
4 of UBC's 22 supported ventures

Three APSC spinoffs formed in the last decade have each raised >\$20 million in funding

Acuva Technologies (Dr. Fariborz Taghipour, CHBE)

Aspect Biosystems (Dr. Konrad Walus, ECE)

Mangrove Lithium (Dr. David Wilkinson, CHBE)

INNOVATIVE SPIRIT AND
ENTREPRENEURIAL THINKING

APSC spinoffs and associated companies

APSC researchers have long been at the forefront of technology transfer, developing their research into impactful, high-performing spinoffs readily taken up by industry and society. While a full list is available from UBC's UILO, **APSC's new spinoffs and supported ventures in 2024/25 include:**

Narval Energy

Dr. Ivan Stosevski, Dr. Arman Bonakdarpour and Dr. David Wilkinson (Chemical and Biological Engineering)

Making renewable energy affordable by developing reliable batteries for extreme-temperature environments.

Aquafer Technologies

Dr. Madjid Mohseni (Chemical and Biological Engineering)

Aquafer Technologies is developing water treatment technology that targets the issue of forever chemicals.

nPhyla

(formerly M-MAP Technologies Inc)

Dr. John Steen (Mining), Dr. Steven Hallam (Faculty of Science) and a consortium of founding companies and researchers

nPhyla offers an online sample analysis platform that accelerates the creation and deployment of microbial solutions for mining.

sora fuel

Gareth Ross, Dr. Patrick Sarver and Dr. Curtis Berlinguette (Chemical and Biological Engineering)

Sora makes sustainable aviation fuel from air, water and renewable energy, combining carbon capture and utilization into a single process and dramatically reducing the amount of energy required to produce sustainable aviation fuel.

APSC-supported ventures

MycoFoundry

Joseph Dahmen (SALA)

MycoFoundry merges biotechnology and design to develop next-generation mycelium materials for the built environment.

Fibernx

Dr. Yasmine Abdin (Materials Engineering)

Fibernx is leading the innovation of advanced materials by providing sustainable and cost-effective carbon fibre solutions that can be customized to fit each industry's specifications.

AIGREENING

Dr. Abbas Milani (School of Engineering)

AIGreening combines cutting-edge AI technology with a commitment to environmental sustainability, redefining wildfire management.

FUTURI™
Intelligent Electrification

Dr. Martin Ordonez (Electrical and Computer Engineering)

FUTURI's innovative energy processors replace aging electrical panels and are a big step toward achieving energy sustainability at scale by managing power consumption and efficiently switching power sources.



HIGHLIGHT STORY

CREATE grants: Training the next generation of innovators and entrepreneurs

Dr. Peter Zandstra,
School of Biomedical Engineering

In 2024, for the fourth year in a row, APSC-led teams have been successful in NSERC's CREATE (Collaborative Research & Training Experience) program, which offers highly qualified personnel (HQP) tailored professional development, inclusive mentorship and unique networking opportunities in addition to their research projects. The Faculty now hosts six CREATEs, two of which were awarded in the last competition:



NSERC CREATE in Product Design for Human Comfort, led by **Dr. Sepideh Pakpour** (School of Engineering): Over the next six years, Dr. Pakpour and a multidisciplinary team of researchers will train more than 80 HQP in research projects involving over 20 industry partners that include clothing manufacturers and biomedical companies. Their goal is to rethink the design process to incorporate human comfort—and environmental sustainability—from the very beginning of the process.



NSERC CREATE in ImmunoEngineering, led by **Dr. Peter Zandstra** (School of Biomedical Engineering): Building on an established, interdisciplinary network with expertise in immunology, biotechnology and cell, molecular and genetic engineering, the program will help prepare HQP to meet the needs of BC's and Canada's expanding bioeconomy by training the next generation of immunoengineers to innovate, develop and deliver new technologies for commercialization.

APSC Research Support Landscape

School of Architecture and Landscape
Architecture materials library

As one component of the comprehensive services provided by the APSC Dean's Office, the **Research and Partnerships team** provides co-ordinated and complementary support to increase research funding success, societal impact and commercialization activities. Leveraging expertise across multiple domains, we support APSC research at all levels, from providing **seed funding** and helping secure foundational **operating grants** to developing large interdisciplinary team projects and identifying and engaging with **partners across all sectors**. In addition to supporting grants and partnerships, we work collaboratively on Faculty-wide strategic projects, as described below in our description of offerings. Overseen by Dr. Walter Mérida, Associate Dean, Research and Partnerships from 2017 to 2025, our team is proud to have

supported APSC researchers for the past eight years, and we are thankful to Walter for his visionary, committed leadership during this time. Looking ahead, under the newly established portfolio of the **Associate Dean, Research and Graduate Studies**, we remain dedicated to providing expert support to our faculty. At the same time, we will strategically broaden our scope to include enhanced support for awards and prizes, new services to enrich graduate research experiences, and deeper engagement across APSC departments, schools and other UBC faculties. These efforts will strengthen interdisciplinary research, leverage emerging opportunities and capitalize on our Faculty's unique strengths to **drive innovative solutions for the future**.



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Research Development Associate

Atif Hussain
Research Development Associate

Carrie Lam
Research Development Associate

Walter Mérida
Associate Dean, Research and Partnerships

Joanne Moszynski
Senior Manager, Research Development

Kyra Laverdiere
Senior Manager, Research Partnerships

Yaser Roshan
Senior Manager, Research Partnerships

Research development support



CONSULTATION & STRATEGY

- Project development
- Team building
- Application advice
- 5-year funding plan
- Internal processes



OUTREACH & TRAINING

- Research Leadership Program
- Bootcamps and workshops
- Communications: intranet, mailouts, reporting



RESOURCES & REVIEWS

- Templates, past grants, playbooks
- Editing, criteria/strategic review



A continuum of partnership support



AWARENESS

- Shaping value propositions
- Creating connections
- Promoting research interests & outcomes



ENGAGEMENT

- Stakeholder mapping
- Ecosystem engagement
- Defining shared vision
- Event planning/facilitation



EXECUTION

- Contractual T&Cs
- Processes & reporting
- Knowledge translations
- Relationship management



Our support programs include:



TRAINING AND WORKSHOPS

The Research and Partnerships team hosts a number of events to help build teams, skills and capacity across the Faculty, delivered by experts across APSC, UBC and beyond. These include a number of **“bootcamps” focused on grants of strategic importance**, including the NSERC Discovery and Alliance grants. Bootcamp sessions include general information, Q+As with past reviewers and the opportunity for participants to workshop key sections of their grants with their peers. The sessions have had a positive impact on application success rates, helping ensure that APSC faculty members, especially early-career researchers, secure these fundamental grants. Events are supplemented by extensive **resource packages** (such as playbooks, videos and templates) available on the **APSC Intranet** as well as regular mail-outs that highlight opportunities of interest and share links to relevant information.



RESEARCH LEADERSHIP PROGRAM

Launched in 2021, the Research Leadership Program provides researchers with the knowledge, tools and skill sets to build capacity across grant writing, partnership management, knowledge exchange and leadership. The program consists of three stages carried out over two years (Exploration, Development and Implementation), with ongoing training available throughout. With targeted partnerships and financial and grant support, **the program enhances individual leadership skills and team research capacity**, focusing on high-value, interdisciplinary funding opportunities.

Now in year two of the 2024-2026 program, supported Research Leadership Program teams have had success in the UBC-wide GCRC program, the Wall Research Awards, and the inaugural KU Leuven seed funding competition.



We acknowledge the extensive expertise embedded within our Faculty at its departments, centres and schools. The Research and Partnerships team is fortunate to work within a productive and collegial support network consisting of program managers, grant facilitators, business development staff and many others, all with the mandate of supporting APSC researchers' capacities to carry out truly impactful, world-leading research.



Credits and acknowledgement:

This report was prepared by the APSC Research and Partnerships team, with support from the APSC Marketing and Communications team, UILO, APSC Faculty Affairs and many others. Special thanks go to:

Atif Hussain, Research Development Associate

Joanne Moszynski, Senior Manager, Research Development

Devan Power, Creative Manager

Briana Griffith, Associate Director of Reputation & Strategic Communications

David McCaughan, Associate Director of Marketing & Recruitment

Sue Yee, Senior Manager, Faculty Affairs

And a special call-out to **Dr. Walter Mérida**, for his insightful, visionary leadership over the past eight years.

The team also acknowledges that we operate on the ancestral and unceded territories of the Coast Salish peoples, including the x^wməθk^wəy^{əm} (Musqueam), Sḵw̓x̓wú7mesh Úxwumixw (Squamish) and salilwətaḷ (Tseil-Waututh) nations at our Vancouver campus, and the ancestral and unceded territory of the Syilx Okanagan Nation at our Okanagan campus.



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