



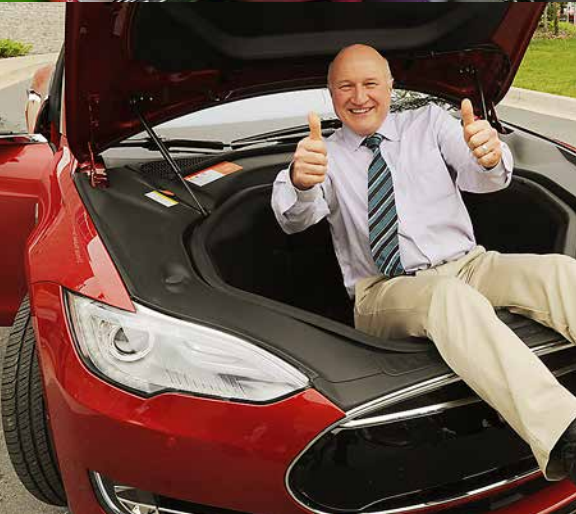
LOOK WHAT WE CAN DO **TOGETHER**

Dalhousie University Community Report 2016–17



THIS IS THE POWER
OF PARTNERSHIP







PRESIDENT'S MESSAGE

As we approach our third century, Dalhousie continues to bring together the brightest minds from diverse backgrounds and perspectives to push the boundaries of knowledge. The opportunities and challenges our world faces are too large for any one university, one sector or even one country to tackle alone.

Dalhousie's Strategic Direction outlines five key areas that guide everything we do: *Teaching and Learning, Research, Service, Partnerships and Reputation, and Infrastructure and Support*. It's through partnerships that we succeed — discovering common interests, securing support and increasing our shared connections.

Working together, we harness the transformative power of education, supporting and inspiring students like Rhodes Scholar **Maïke van Niekerk** and Junior University mentor **Brianna Noseworthy**. We bring our learning to the world, as with our esteemed **Professor Wanda Thomas Bernard's** appointment to the Canadian Senate. We advance internationally renowned research like that of professor and lithium-ion battery expert **Jeff Dahn**. We find new ways to celebrate diversity in our community, supporting new academic programs, ceremonies and recognitions. And we form cross-sector collaborations that leverage local strength with global reach, bringing donors like **John Risley** (with our **Ocean Frontier Institute**) and companies like **Emera** (with the revitalization of our downtown **Engineering and Architecture campus**) to the table to drive our shared efforts to the next level.

Looking back at some highlights from the past year, I hope you see examples of what we can do together: when we link the best in our region with the best in the world, when we find ways to be more inclusive, and when we take our place on the global stage and make a lasting impact.


Richard Florizone
President & Vice-Chancellor



SPOTLIGHT ON
STUDENT ACHIEVEMENT

A Rhodes Scholarship is one of the most prestigious honours in international academia. Worldwide, only 95 students are chosen each year, and only 11 Canadians annually earn the \$100,000 award to study at Oxford University in England. To become a Rhodes Scholar, a student must demonstrate elite academic performance, character and leadership in their community.

In other words, they must be a lot like Maike van Niekerk.

Maike's success as a Nursing student, including her research into the physiological and psychological repercussions of residential schools on Indigenous peoples, was a key factor in her selection as the **90th Rhodes Scholar** in the university's history and fourth in the past five years. But her road to the Rhodes took her far beyond the world of academics.

As a teenager, Maike lost her mother to breast cancer. Yet, even as she grieved, she planted a seed of inspiration that has grown into a charitable program that helps cancer patients access the treatment they need. On behalf of **Katrin's Karepackage**, the charity she established in her mother's name, Maike has raised funds by running and cycling across her home province of Newfoundland.

Maike's achievements exemplify a student body whose success is matched by its selflessness. We're proud to celebrate the determination, compassion and talent of the students who make a difference in the world every day.

SHAPED BY STRATEGY

Core principles in action:

- **Teaching and Learning**
- **Service**

SPOTLIGHT ON **WORLD-LEADING RESEARCH**

Unlocking the potential of renewable energy is essential to a sustainable, prosperous future for our planet. And Jeff Dahn has discovered a set of keys.

Jeff is the most recent winner of the Natural Sciences and Engineering Research Council's (NSERC) **Herzberg Canada Gold Medal**, a prestigious award honouring his innovations in the area of batteries and energy storage. His global leadership in lithium-ion battery research also earned him the inaugural **Governor-General's Innovation Award** and resulted in an exclusive partnership with Tesla to advance a worldwide transition to sustainable energy.

Jeff's legacy also lives through his collaboration with students. He is teaching and training future generations of scientists — some of whom have already begun to help map out the path to a more sustainable future.

Jeff is just one success story from a research community on a roll. His is the third Herzberg Medal won by Dalhousie scientists in the past four years, and the 2015 Herzberg winner, theoretical chemist Axel Becke, added the **Killam Prize in Natural Sciences** to his list of honours in 2016.

Awards are a source of pride. But it's working collectively to shape a better world that drives researchers, students and partners to make an impact — now, more than ever.



SHAPED BY STRATEGY

Core principles in action:

- **Teaching and Learning**
- **Research**
- **Partnerships and Reputation**



SPOTLIGHT ON **PARTNERSHIPS**

John Risley knows what it takes to build something big. He started his company, Clearwater Seafoods, as a small operation and grew it into one of the world's most successful seafood companies.

But he didn't do it alone. Partners in academia, business and the community helped make John's vision a reality. Now, he's helping to power the partnerships that will meet the challenges and opportunities of the future.

John's donation of \$25 million was a catalyst in the creation of the **Ocean Frontier Institute** (OFI), a partnership that unites top ocean researchers from Atlantic Canada and all over the world in a collaborative effort to explore and understand our oceans. His gift is part of the largest investment in ocean science in Canadian history, a \$220-million commitment that includes an historic \$94-million contribution from the Government of Canada.

The promise of OFI lies in the collaboration it enables. From regional partners **Memorial University** of Newfoundland and the **University of Prince Edward Island** to **government** and **industry organizations** to the eight major **international research institutes** bringing global scale to the project, OFI represents a commitment to the idea that knowledge grows best when it's grown together.

It's a fresh way of looking at research. But it takes a team of experts to tackle challenges like climate change and to harness the power of the ocean for the environmental and economic benefit of humanity.

As John Risley would tell you, no one who does anything big and bold does it alone.

SHAPED BY STRATEGY

Core principles in action:

- **Research**
- **Partnerships and Reputation**
- **Infrastructure and Support**



SPOTLIGHT ON **DIVERSITY & INCLUSIVENESS**

Brianna Noseworthy emerged from the traditions of her Métis and African Nova Scotian ancestors and was nurtured by the wisdom of her elders. With the support of her communities — both inherited and chosen — she is charting her own path to success.

Brianna's journey began to come into focus when, as a high school student, she attended the Dalhousie Aboriginal Health Sciences Initiative's (AHSI) Junior University program. The camp opened her eyes to the possibility of a career in the health professions and, with its exploration of traditional Indigenous medicine, inspired both a vision of her future and a connection to her past. And as a counsellor in the program last year, Brianna shared her own wisdom with younger students.

When she graduates, Brianna will have the opportunity to receive more than a diploma. All Indigenous students now have the option to receive a **traditional medicine pouch** from an Elder-in-Residence on the Convocation stage. For graduating students of African descent, a **traditional kente sash** can be borrowed and worn for Convocation ceremonies.

Together, we have **raised flags** and **explored cultural histories**, but our commitment to our traditional communities is best reflected in the **programs, support services** and **open discussions** that make the university experience more inclusive for all.

We stand on traditional Mi'kmaq territory. We grow from roots the African Nova Scotian community helped to plant hundreds of years ago. Like Brianna, we rise higher when we rise in unison.

SHAPED BY STRATEGY

Core principles in action:

- **Teaching and Learning**
- **Infrastructure and Support**



YEAR IN REVIEW

From research breakthroughs and entrepreneurial innovation to building more inclusive communities, our people and partners found many ways to make their mark in the past year.



A big IDEA

A \$64-million investment by multiple partners, from the federal government to individual donors such as Marjorie Lindsay, will transform Dalhousie's Sexton Campus—and catalyze a culture of innovation in Atlantic Canada. New engineering, architecture and design facilities—including the Emera ideaHUB, announced by Dalhousie President Richard Florizone in his collaboration-themed address to the Halifax Chamber of Commerce—will connect students, faculty and industry, and establish downtown Halifax as a hotbed of creativity and entrepreneurship.



Making Senate history

Wanda Thomas Bernard became the first African Nova Scotian woman appointed to the Canadian Senate in October 2016. A professor in Dalhousie's School of Social Work and the university's special advisor on diversity and inclusiveness, Dr. Bernard has conducted anti-oppression research and served as an elder in the East Preston United Baptist Church. Her commitment to fighting for the equity of all Canadians will guide her work in the Senate.

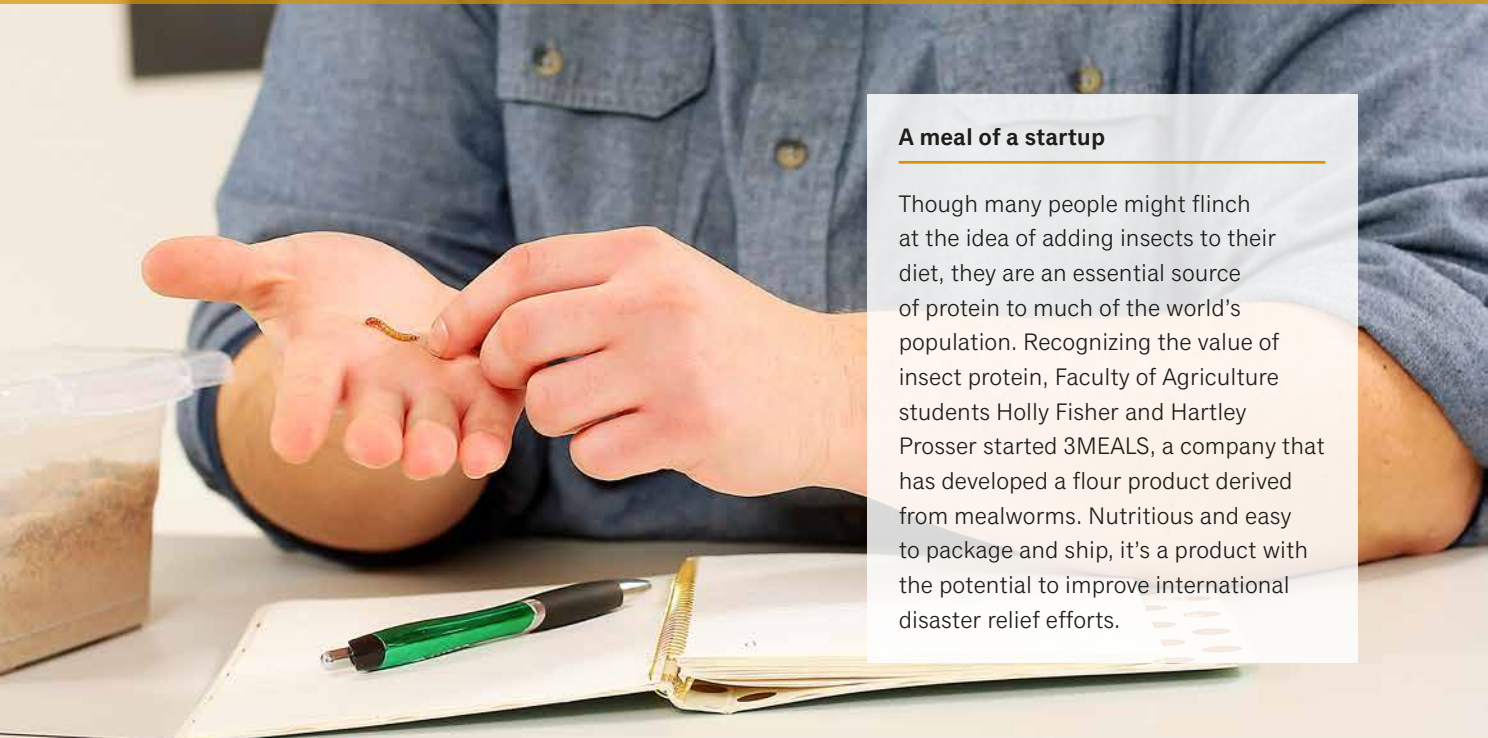


Enriching public policy

The Honourable Allan J. MacEachen is a former Member of Parliament and a titan in the development of progressive public policy in Canada. The MacEachen Institute for Public Policy and Governance, launched at Dalhousie in 2016, aims to live up to the legacy of its namesake. A centre for debate, discussion and research about the policies that affect Canadians, the MacEachen Institute is where policy experts collaborate and develop ideas that make our nation stronger.

Learning by doing

Zac Smith's degree in Political Science and certificate in Indigenous Studies was earned with countless hours in the classroom. But the hours he spent putting his learning into practice were just as valuable to his growth. For a new practicum course, Zac went to work at the Canadian Centre for Policy Alternatives and helped to update the Halifax Living Wage Report — gaining valuable experience in a field where he may one day pursue a career.



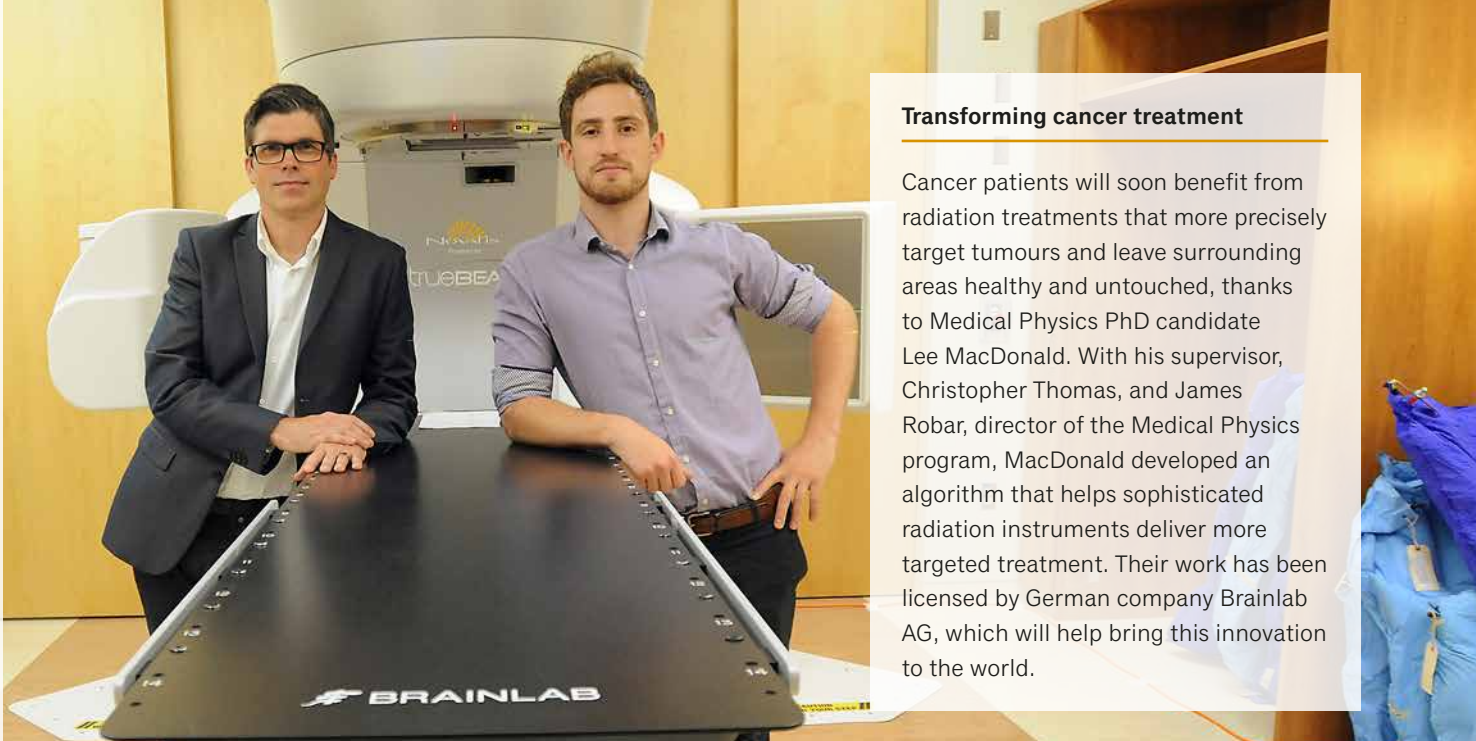
A meal of a startup

Though many people might flinch at the idea of adding insects to their diet, they are an essential source of protein to much of the world's population. Recognizing the value of insect protein, Faculty of Agriculture students Holly Fisher and Hartley Prosser started 3MEALS, a company that has developed a flour product derived from mealworms. Nutritious and easy to package and ship, it's a product with the potential to improve international disaster relief efforts.

Supporting newcomers

Canada has welcomed tens of thousands of refugees from the Syrian war in recent years. But newcomers need more than a warm welcome to truly feel at home. That's why Michael Ungar, a professor in Dalhousie's School of Social Work and director of the Children and Youth in Challenging Contexts (CYCC) Network, has joined researchers, partners and government agencies across the country to determine how best to help newcomers build new lives in Canada.





Transforming cancer treatment

Cancer patients will soon benefit from radiation treatments that more precisely target tumours and leave surrounding areas healthy and untouched, thanks to Medical Physics PhD candidate Lee MacDonald. With his supervisor, Christopher Thomas, and James Robar, director of the Medical Physics program, MacDonald developed an algorithm that helps sophisticated radiation instruments deliver more targeted treatment. Their work has been licensed by German company Brainlab AG, which will help bring this innovation to the world.

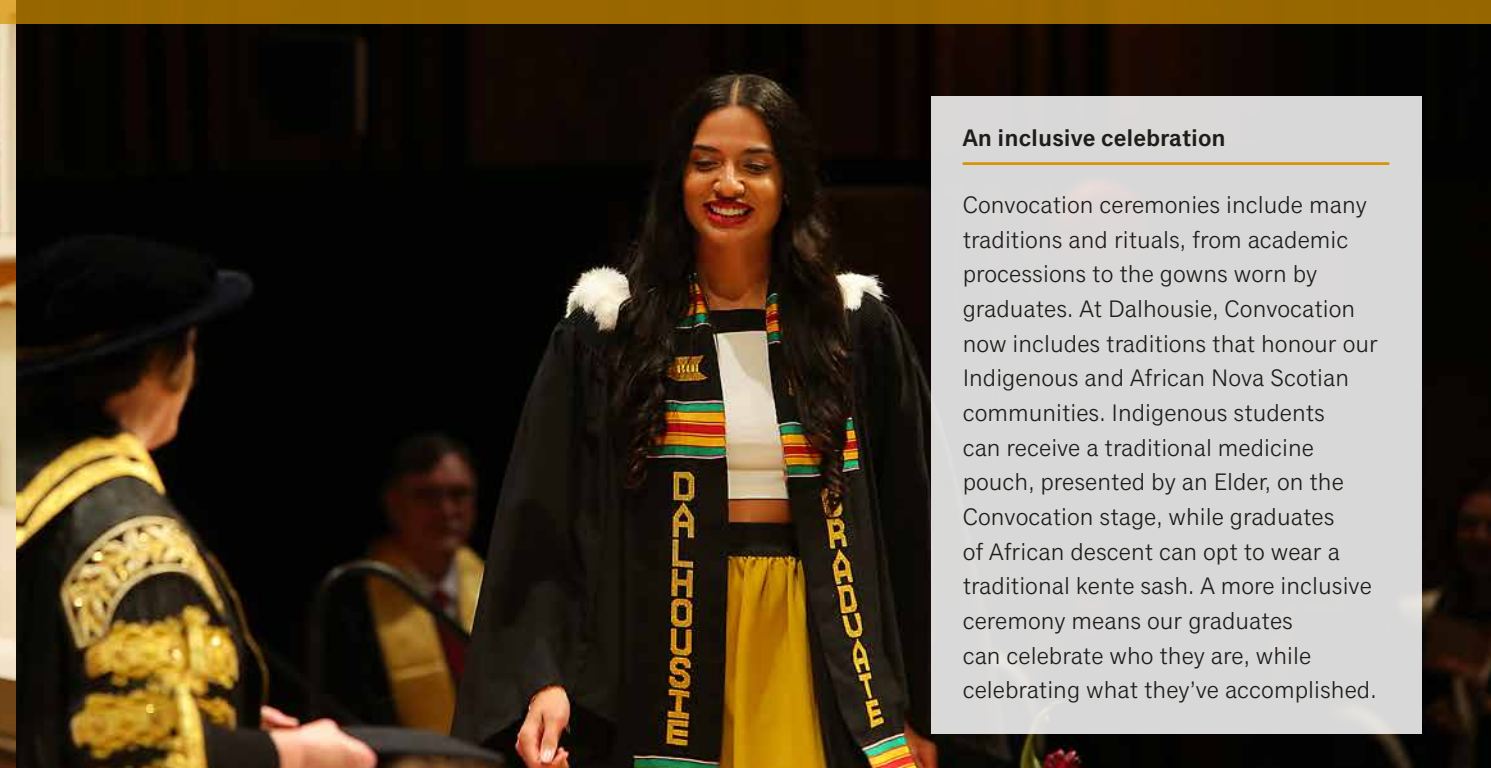
Courting history

The Dalhousie men's basketball team may have held home court in the national championship tournament this past March, but it was up against stiff competition. Still, veterans Kashrell Lawrence and Ritchie Kanza Matta took the team to historic heights. A thrilling quarterfinal victory over the University of Alberta and a narrow loss to top-ranked Ryerson set up a bronze medal match against McGill — where a 69–63 triumph gave the Tigers the best finish in team history.



Community care

Last year marked the 20th anniversary of the North Preston Dental Clinic, which was established to provide dental care to a previously underserved community. Dalhousie's Faculty of Dentistry, the Halifax Regional School Board and the North Preston community have united behind the clinic for two decades, ensuring that residents have access to quality dental care and education. The clinic has even inspired people from the area — such as 2001 dentistry graduate Jean Provo — to pursue the profession.



An inclusive celebration

Convocation ceremonies include many traditions and rituals, from academic processions to the gowns worn by graduates. At Dalhousie, Convocation now includes traditions that honour our Indigenous and African Nova Scotian communities. Indigenous students can receive a traditional medicine pouch, presented by an Elder, on the Convocation stage, while graduates of African descent can opt to wear a traditional kente sash. A more inclusive ceremony means our graduates can celebrate who they are, while celebrating what they've accomplished.

ABOUT DALHOUSIE

Dalhousie University is Atlantic Canada's leading research-intensive university, driving the region's intellectual, social and economic development.

Located in the heart of Halifax, Nova Scotia, with an Agricultural Campus in Truro/Bible Hill, Dalhousie is a truly national and international university, with more than half of our nearly 19,000 students coming from outside of the province. Our 6,000 faculty and staff foster a diverse, purpose-driven community, one that spans 13 faculties and conducts \$135 million in research each year.

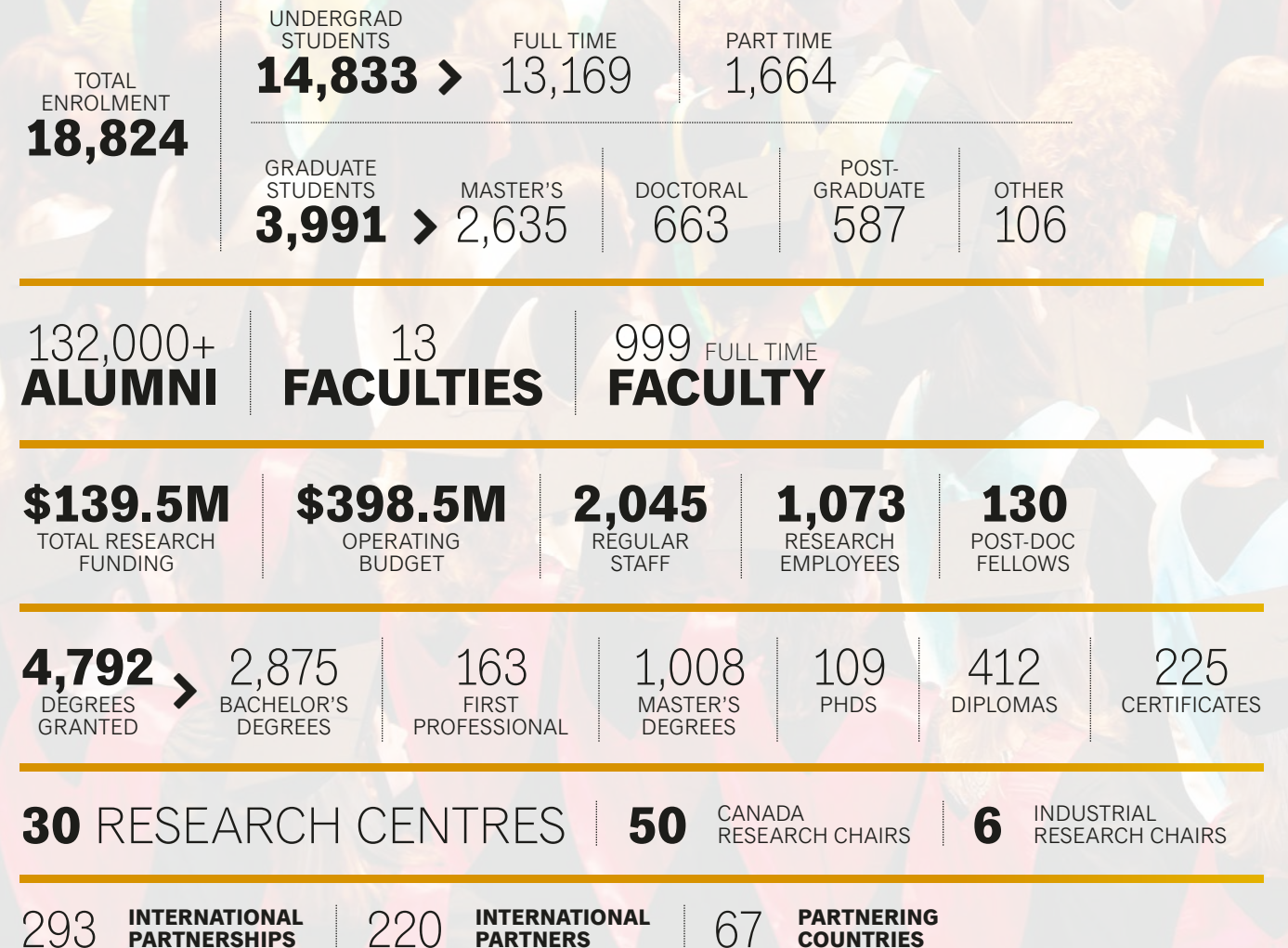
As one of Canada's leading universities for industry partnership, we're helping generate the talent, discoveries and innovations that will shape the future. Partnership also inspires our collaborative approach to solving the challenges and embracing the opportunities of tomorrow, and serves as one of the core principles of our *Strategic Direction* plan.

The plan is categorized under five strategic areas: Teaching and Learning; Research; Service; Partnerships and Reputation, and Infrastructure and Support. It points the way to a more sustainable, inclusive and prosperous shared future. Through leadership and partnership, we bring this strategy to life.

For more on Dalhousie's Strategic Direction, visit dal.ca/forward.



2016-17 DALHOUSIE BY THE NUMBERS



TOWARD 200

In 2018, Dalhousie will mark a rare milestone, becoming one of few universities in Canada to celebrate its 200th anniversary. It's an opportunity to celebrate our past, generate excitement for our future, connect meaningfully with our communities and say "thank you" to all who've been a part of the journey.

Learn more at dal200.ca

