McMaster Strategic Goals and Priorities

McMaster University was founded in 1887 and is governed by the McMaster University Act, 1976. The University has achieved an international reputation as a centre of excellence for teaching and learning, innovation, and creativity. This year, McMaster was again ranked one of only two universities in Ontario among the world’s top 70 universities, and one of only four in Canada (Times Higher Education). Research Infosource 2020 ranked McMaster as Canada’s most research-intensive university for the 4th consecutive year, with a total research income of $372M, averaging $404,000 per faculty member – more than double the national average.

We serve our community and society by nurturing and supporting the fulfillment of human potential: inspiring creativity and critical thinking, promoting an enduring love of learning and the habit of inquiry, and undertaking innovative research that extends the boundaries and enhances the efficacy of knowledge. We are committed to the advancement of human and societal health and well-being, and ultimately to creating a brighter world for all.

VISION STATEMENT

MISSION STATEMENT
At McMaster, our purpose is the discovery, communication, and preservation of knowledge. In our teaching, research, and scholarship, we are committed to creativity, innovation, and excellence. We value integrity, quality, inclusiveness, and teamwork in everything we do. We inspire critical thinking, personal growth, and a passion for lifelong learning. We serve the social, cultural, and economic needs of our community and our society.

LOOKING FORWARD WITH OPTIMISM
Amidst the ongoing global pandemic, McMaster has continued to innovate and adapt to overcome the challenges posed by COVID-19, while also actively planning for the future. McMaster launched Canada’s Global Nexus for Pandemics and Biological Threats, an international network of scientists, clinical health and medical specialists, engineers, social scientists, history and policy researchers, and economics and business experts, devoted to preventing future pandemics, mitigating global health threats, and bolstering the international recovery from the current pandemic. McMaster is uniquely positioned due to its internationally renowned culture of collaboration and track record of success. Even in the virtual environment McMaster continues to focus on providing an optimal student experience, supporting our diverse campus community, and enhancing local, national, and international connections, while advancing research excellence across the campus.

STRATEGIC PRIORITIES
This past year President David Farrar led the McMaster community through a visioning and strategic planning exercise. This led to the launch of McMaster’s refreshed Vision Statement, which is intended to capture both the depth of our collective aspirations and desire for impact, as well as our commitment to inclusive excellence and serving the global community in all that we do. Through the many discussions and consultations, a clear picture emerged of McMaster’s commitment to making a positive impact on the world. This includes developing the partnerships and collaborations needed to support our scholars and ensuring that we are well positioned to tackle the major local and global issues we face, while building a clear sense of community and belonging for everyone.

The Vision Statement was followed by the launch of McMaster’s Institutional Priorities and Strategic Framework for 2021 to 2024. This new strategic plan focuses the University’s collective efforts around five key institutional priorities: (1) inclusive excellence, (2) teaching and learning, (3) research and scholarship, (4) engaging local, national, Indigenous, and global communities, and (5) operational excellence. The plan is based upon, and consistent with, a number of pre-existing strategic documents, including the Equity, Diversity, and Inclusion (EDI) Strategy and Action Plan, the Community Engagement Strategy and the new Teaching and Learning Strategy, and will itself be used as the basis for other planning processes throughout the institution.

Our focus remains to foster the creative and intellectual potential of our students, while at the same time preparing our graduates to build successful careers and meaningful lives. McMaster also has a strong track record of working with industry, successfully outpacing our peers over the last five years in industry-sponsored research. Such industrial collaborations act as magnets, attracting businesses to our region, allowing for the incubation of new companies and creating jobs for Canada’s next generation of leaders – our students.
Strategic Goals

GOAL ONE: DEVELOPING A DISTINCTIVE, PERSONALIZED, ENGAGING, AND SUSTAINABLE STUDENT EXPERIENCE

McMaster is committed to taking a collaborative, innovative, and interdisciplinary approach to teaching and learning. Our students gain practical experience linked to their education and career goals through internships, co-ops, career placements, and career planning workshops and courses. McMaster’s signature pedagogies, such as inquiry and problem-based learning, have been adopted in jurisdictions around the world, transforming post-secondary teaching and learning. Our goal is to continue building on the success of our most creative and innovative programs, providing an enriching and transformative learning experience for all students with increased opportunities for experiential, work-integrated, self-directed, virtual learning, and learning through micro-credentials.

McMaster produces some of Canada’s most employable graduates, according to Times Higher Education. The University ranked fifth in Canada and 77th worldwide, in the Global University Employability Ranking 2020.
KEY INITIATIVES

- This past year, McMaster finalized its first Teaching and Learning Strategy. Partnership in Teaching and Learning: McMaster’s Teaching and Learning Strategy 2021-2026 identifies four areas of impact that will become the focus of teaching and learning objectives at McMaster. These areas are Partnered and Interdisciplinary Learning, Inclusive and Scholarly Teaching, Active and Flexible Learning Spaces, and Holistic and Personalized Student Experience.

Inclusive Excellence

- McMaster aspires to embed an inclusive approach to its student experience that intentionally engages and respects a diversity of learners’ perspectives and ways of learning. In May 2019, after detailed community consultation and planning, McMaster launched its EDI Strategy and Action Plan with a three-year time horizon. The following new initiatives and projects, focused on enhancing EDI in the student experience, are underway:
  - McMaster developed and launched a Student Census and Experience Survey to inform improvements to the student experience in the following areas: food security and financial health; personal security and physical safety; social connection and belonging; emotional and spiritual well-being; mental and physical health; career development; and academic success.
  - The International Student Services team within the Student Success Centre provides specialized support in the areas of immigration, orientation, transition, academic and career programs to help students adjust to life in Canada. The first-year mentorship program pairs international students with domestic upper-year students who provide peer-to-peer support in all areas of student life experience at McMaster.
  - In winter 2021 the School of Nursing launched a new Indigenous Health Course within the BScN Program. The school also has a new Equity Community of Practice.
  - The Undergraduate Medical Program has continued work on its Black Equity Stream and the implementation of mandatory implicit/unconscious bias and anti-oppressive training for assessors of applicants. The program has also reviewed its long-standing Facilitated Indigenous Application Process.
  - McMaster developed a new fellowship program in collaboration with five other Ontario universities designed to expand the pathways for Indigenous and Black students pursuing doctoral degrees. The goal is to increase the number of Indigenous and Black engineering professors teaching and researching in universities across Ontario.
  - In partnership with University Technology Services (UTS), the Equity and Inclusion Office created a Web Accessibility Roadmap to ensure that all McMaster web materials are adhering to the AODA Legislation.
  - McMaster Continuing Education serves a significant number of newcomers to Canada, including internationally trained professionals. The Department is developing a roster of academic, career, and mental health and wellness supports for all students, with particular awareness of the needs of newcomers.
  - The DeGroote School of Business has partnered with ICON Talent Partners, a not-for-profit organization dedicated to increasing opportunities for high-achieving BIPOC students. Students receive comprehensive training, mentoring, and support to help them gain access to career opportunities in management consulting, sales and trading, investment banking, and related fields.

In 2020-2021, McMaster enrolled 2,452 credit transfer students (an increase of 7.8 per cent compared to 2019-20) from Ontario universities and colleges.
Pandemic Response

- As academic programs moved rapidly online in response to the pandemic, a range of initiatives were launched to facilitate a successful transition for students:
  - McMaster’s Virtual Learning Task Force – comprised of 31 faculty, students, and staff from across campus – was created in the Fall of 2020 to provide recommendations to the University on enhancing the virtual teaching and learning experience. Discussions regarding virtual learning have continued through the Teaching and Learning Advisory Group, which includes technology and pedagogical experts, instructors, and students.
  - The Student Success Centre, in partnership with UTS, developed an online learning support web page that acts as a central hub to support students’ academic performance in an online learning environment.
  - University Technology Services, in partnership with the MacPherson Institute, implemented several initiatives including: Alibaba VPN capabilities to support international students in China with improved access to campus systems; the purchase and implementation of the Zoom web conferencing software; the enhancement and integration of the Microsoft Teams system; and the integration of the Avenue to Learn Learning Management Systems with other systems on campus.
  - The Undergraduate Medical Program made advances by investing in and supporting faculty members’ use of a variety of interactive digital technologies for large group sessions, and increasing the number of flipped classrooms, and small group virtual sessions at key points in the curriculum. These changes decreased didactic teaching, enhanced the opportunities for students to apply their knowledge, and allowed faculty members to provide immediate feedback.
  - The Faculty of Health Sciences worked with hospital and clinical partners to adapt education programs and front-load conceptual learning so that students could better leverage clinical experience to consolidate medical knowledge during the pandemic. The Physiotherapy Master’s program adopted a focused ‘boot camp’ approach to teach clinical skills in adherence with public health guidelines, allowing physiotherapy graduates to join the workforce without delay.

Experiential Learning

- Across the University, students are offered experiential learning experiences, career readiness opportunities, and work-integrated learning experiences. Recent initiatives include:
  - The Student Success Centre Career Treks program provides short-term opportunities to help students gain hands-on experience and mentorship from a local employer. During the pandemic, the program moved online and 86 student placements were completed in the virtual environment. The Student Success Centre also added several new partnerships focused on providing virtual opportunities to students, including hack-a-thons (Hackworks), conferences, and challenges (Mindsumo).
  - With support from the Government of Ontario’s Career Ready Fund, McMaster’s Faculty of Engineering is helping small and medium-sized businesses in the automotive and advanced manufacturing sectors hire co-op students from McMaster.
  - McMaster Continuing Education is a partner with Level UP, an innovative work-integrated learning program powered by Riipen and sponsored by the Government of Canada. Students
connect with organizations for short-term paid projects that help them gain relevant work experiences, build professional networks, acquire career clarity, and develop skills.

In the Spring of 2020 the first class of scholars graduated from the McMaster Grand Challenges Scholars Program, which has the United Nations Sustainable Development Goals as the focus. In this program, students develop skills in five key areas, including entrepreneurship and social responsibility, with the goal of preparing them to respond effectively to 21st century challenges.

The DeGroote School of Business, in partnership with Mitacs, launched the Business Strategy Internship (BSI) program in June 2020 and supported 52 internships. The BSI program provided students with the opportunity to put their skills to work and help organizations adapt and grow their business during the COVID-19 pandemic.

In Fall 2021, the Faculty of Engineering launched its redesigned Engineering I curriculum, which includes a full-year, experiential engineering learning course centred around a series of virtual design projects and labs. Students focus on grand challenges, viewing complex problems with a multidisciplinary lens, with human-centred design thinking and entrepreneurship embedded in all programming.

Innovative Programming

- To meet societal and labour market needs and student demand, McMaster continues to develop new and innovative programs, including rapid training opportunities through micro-credentials and interdisciplinary and multi-disciplinary offerings. Recent initiatives include:
  - McMaster University Continuing Education has partnered with the National Institutes of Health Informatics (NIHI) to offer learning experiences that allow students to earn a micro-credential and receive a Certificate of Completion from NIHI and McMaster. This initiative was funded by eCampusOntario.
  - With support from Ontario RapidSkills, McMaster Manufacturing Research Institute’s Industry Training Program is helping under- and unemployed workers with automotive and manufacturing training and experience adapt to new technologies and gain new skills in processes, materials, and industry 4.0.
  - The Faculty of Engineering is creating a new minor and certificate program in software development, which will be available to all McMaster students. The minor will cover a range of topics, including programming, animation and visual effects, and artificial intelligence in the digital arts, enabling students to fuse their programs of study with software development skills.
  - A transnational, transdisciplinary doctoral program was launched in Global Health by the Faculty of Health Sciences to respond to the acute need for research and scholarship in this evolving area. It has developed a local and international complement of scholars to supervise a diverse and inclusive cohort of doctoral candidates.
  - The School of Nursing and McMaster Continuing Education established an educational and business partnership to offer health professionals across Canada three academic credit courses in continence care. A Certificate of Professional Learning will be granted to those who successfully complete all three courses.
  - In Fall 2021, the Faculty of Social Sciences will launch a new Concurrent Certificate in Social Innovation. The program will help students develop the skills they need to design and implement forward-looking solutions to social issues. The interdisciplinary certificate is open to any undergraduate McMaster student.
  - Launched in 2020, the Systems & Technology Master’s program, offered through the W. Booth School of Engineering Practice and Technology, is the only one of its kind in Canada that delivers specialized training in digital manufacturing, automotive, automation, and smart, connected systems.
KEY OUTCOMES

• McMaster responded to the ongoing COVID-19 pandemic by operating in a largely virtual teaching and learning environment for the 2020-2021 academic year. The University continued its focus on providing a high-quality virtual learning experience and has made several innovations to support this that will continue into the future. A few select examples are as follows:
  ◦ The Department of Biochemistry and Biomedical Sciences translated the undergraduate laboratory experience by mastering and navigating multiple online platforms to create dozens of original videos of lab techniques and develop an innovative virtual lab bench.
  ◦ The Faculty of Science successfully adapted most labs to a virtual setting. First year Science students were sent laboratory kits, allowing them to participate in virtual labs from home while still gaining important hands-on learning experience.
  ◦ As part of the Virtual Learning Strategy announced by the Government of Ontario in December 2020, McMaster received over $2.5M to fund 28 projects. These projects support key priority areas for creating digital content, providing skills to faculty and students, and identifying educational technologies to support online course and program offerings.
  ◦ Several recent initiatives in health and well-being highlight McMaster’s leadership in developing a distinctive, personalized, and sustainable student experience while navigating the virtual environment of the pandemic, including:
    ◦ Archway, a made-at-McMaster program designed to deliver a guided, personalized support system, successfully engaged more than 4,500 first-year students, with 200 mentors conducting more than 8,500 one-on-one discussions. Created as a response to the unique circumstances facing students during the pandemic, Archway offers individual support by pairing each new student with an upper year student and a coach, a professional staff member who can answer questions, provide connections with on- and off-campus supports, and help create a sense of community.
    ◦ Mac’s Money Centre (MMC) in the Student Success Centre offers financial wellness education (budgeting, debt and credit management, spending behaviours), tax support services, and individual coaching appointments for students.
    ◦ The Student Success Centre provides on-demand virtual services for students, including drop-in appointments (video or text chat), and the Comm100 live chat. The live chat feature gives students access to immediate answers, refers students to partners when necessary, and promotes a sense of campus community. The Student Success Centre maintained its service delivery in the virtual environment with more than 350 students taking advantage of this service.
  ◦ McMaster continues to create and support programs that emphasize skills training and work-integrated learning to prepare students for careers in a continuously changing work environment:
    ◦ McMaster University Continuing Education has partnered with Devant to offer the course Employability Skills and Cultural Fluency for the Canadian Workplace. This course provides essential support and guidance to international and newcomer students as they navigate the Canadian job market.
    ◦ The Michael G. DeGroote Health Innovation, Commercialization, and Entrepreneurship (Health ICE) program was initiated to develop the next generation of entrepreneurs and high-impact health innovations, and create a
vibrant culture of entrepreneurship and interdisciplinary collaboration between clinicians, researchers, entrepreneurs, hospitals, and industry partners. It has engaged 1,050 individuals and supported 28 events and 28 health innovation proposals to date.

- The Global Health Office has developed a template for student work experience at local, regional, national, and international organizations that resulted in an inventory of more than 60 organizations prepared to offer three-month internships.

- In addition to offering a program specifically on Entrepreneurship, McMaster University Continuing Education hosts free webinars that provide insights into how to start a business. The sessions address the challenges of starting a business and how aspiring business owners can avoid these pitfalls.

- In 2020-21, 94.8% of 2019 graduates of undergraduate programs participated in at least one course with Experiential Learning components (Strategic Mandate Agreement Metric 7) and McMaster saw an 18 per cent increase in the number of students undertaking a co-op work term, with over 5,100 co-op work terms reported in 2018-19.

- The MacChangers program is a co-curricular program, jointly run by the Faculty of Engineering and the Office of Community Engagement, that focuses on the UN Sustainable Development Goals and is intended to build a more resilient Hamilton community. Interdisciplinary teams of McMaster students commit eight months to developing innovative solutions to local and global societal issues, which this year included: pedestrian safety, the opioid crisis, resilient infrastructure, and social sustainability.

- In 2020-2021, McMaster enrolled 2,452 credit transfer students (an increase of 7.8 per cent compared to 2019-20) from Ontario universities and colleges. McMaster continues to emphasize career preparedness and McMaster students consistently excel in metrics related to employment after graduation:
  - Understanding students’ challenges with job searching and networking during a pandemic, McMaster hosted Connect to Careers Virtual Job Fair in partnership with Mohawk College, Redeemer University, Workforce Planning Hamilton, and Economic Development, City of Hamilton. A total of 78 organizations attended the virtual event: 90% of employers were hiring for full-time employment, 40% for co-op, 32% for summer, 47% for part-time, and 50% indicated they had remote opportunities available.
  - McMaster produces some of Canada’s most employable graduates, according to Times Higher Education. The University ranked fifth in Canada and 77th worldwide, in the Global University Employability Ranking 2020.

- In the 2020 National Survey of Student Engagement (NSSE), 82 per cent of respondents rated their entire McMaster educational experience as good, or excellent, compared with Ontario’s average of 74 per cent.

- The first year of the Student Transition to Education Program in the Social Sciences (STEPSS) received positive feedback from Level I students and engaged 139 incoming students. The program offered a tuition-free mini course on “Surviving and Thriving in the Social Sciences,” pointed students towards central programs, and guided students through the enrolment process.

- McMaster is committed to taking an interdisciplinary approach to teaching and learning and in 2020-21, 52% of students were enrolled in interdisciplinary programs (Strategic Mandate Agreement Metric 2).

- McMaster prepares graduates for successful careers, with 82% of Fall 2013 full-time, first-year undergraduate students graduating from McMaster within 7 years (Strategic Mandate Agreement Metric 3).
**GOAL TWO:** ENHANCING THE CONNECTIONS BETWEEN MCMASTER AND THE COMMUNITIES WE SERVE, LOCALLY, PROVINCIALY, NATIONALLY AND AROUND THE GLOBE.

McMaster remains committed to public service and fostering collaboration between the University and community partners. This work enables us to better understand and consider the issues identified as priorities by local and global communities, including this year continuing to overcome the challenges posed by the pandemic. In addition to our focus on building connections at the local, provincial, national, and global levels, McMaster also supports the broader community through our work to foster a diverse campus community and create enhanced pathways and improved opportunities for equity deserving groups. Our alumni community of more than 213,000, based in countries around the world, also support us in building connections globally.

“Canada’s Global Nexus for Pandemics and Biological Threats will recruit global talent, boost global health security, train graduate students, provide jobs and economic growth and make Canada a global destination for investment and innovation.”

— Dr. Gerry Wright
Lead, Canada’s Global Nexus for Pandemics and Biological Threats
KEY INITIATIVES

• Canada’s Global Nexus for Pandemics and Biological Threats will support decision-makers, system leaders, businesses, communities, and the public in developing and deploying relevant and timely solutions to prevent, prepare for, and protect against pandemics and biological threats. Canada’s Global Nexus leverages our collective strength and international networks, building an environment for the world’s top experts to work together across disciplines and sectors to solve the most pressing issues related to pandemics and biological threats.

• The McMaster Okanagan Committee recently launched an interactive website (https://okanagan.mcmaster.ca) which contains an inventory of McMaster’s programs, services, research and courses regarding health and well-being initiatives. Over the past year, the McMaster Okanagan Committee (MOC) transitioned to online and virtual programming and worked to expand its social media presence by adding daily health and well-being tips to its Instagram and Facebook accounts. The website received international attention and is part of McMaster’s commitment to the Okanagan Charter, which the University signed in 2017.

Inclusive Excellence

• As part of McMaster’s focus on advancing issues of equity and inclusion and building a diverse and vibrant campus community, over the last year EDI Action Plan priorities have focused on the recruitment, engagement, and retention of students, staff, and faculty.
  ◦ EDI principles and practices have been codified in a new faculty recruitment and selection policy and a companion handbook launched to enhance inclusive excellence in hiring processes. Faculty members and staff hiring managers continue to be trained as Employment Equity Facilitators, supporting the advancement of institutional and Faculty/Departmental employment equity priorities and goals. The Strategic Excellence and Equity in Recruitment & Retention (STEER/R) Program will be piloted for a three-year period commencing in 2021.
  ◦ McMaster launched an employee resource group for Black, Indigenous, and Racialized staff to enhance opportunities for social and professional networking, as well as career and leadership development.
  ◦ The Faculty of Health Sciences Equity, Diversity, and Inclusion Advisory Committee (EDIAC) has grown to 92 members, including faculty, staff, and learners, and the Terms of Reference are currently being revised to better incorporate the Indigenous equity perspective. The EDIAC has four working groups focused on strategic recruitment and retention, training and professional development, measurement of equity and inclusion, and inclusive communications.
  ◦ Through the Equity and Inclusion Office, McMaster is represented on a newly launched Hamilton Anchor Institution Leadership (HAIL) Equity and Inclusion Task Force. The goal is to create proactive solutions, collective actions, and a stronger response to racism, equity, and inclusion across the City of Hamilton.
  ◦ McMaster joined the “50 – 30 Challenge” which is an initiative led by the Government of Canada in partnership with businesses and diversity organizations. Its focus is on gender parity (50%) and significant representation of under-represented groups (30%) on senior management and boards.

McMaster placed 14th in the world in the Times Higher Education (THE) Impact Ranking for 2021. This international ranking recognizes the impact universities are making in their own countries and on a global scale.
In collaboration with the Child Welfare Political Action Committee Canada, McMaster committed to eliminating tuition fees for up to 20 current and former foster children who are working towards an undergraduate or graduate degree. Applications will be accepted regardless of the age of applicants so long as they meet eligibility requirements.

The Faculty of Humanities’ MELD Community Access award program offers 10 full tuition awards to community members, mostly refugees and new immigrants, valued at $300,000.

McMaster Continuing Education’s 55 Plus program meets the learning needs and interests of older adult learners in a virtual format.

**Indigenous Initiatives**

- With the guidance of the Indigenous Education Council, the University continues to focus on advancing and supporting Indigenous initiatives, providing enhanced opportunities for Indigenous faculty, staff, and students, and addressing the recommendations arising from the report of the Truth and Reconciliation Commission of Canada.

- Alongside the University’s institutional strategy, and recognizing the unique position of Indigenous peoples within our community and society, the Indigenous Education Council has been developing Indigenous Education and Research strategies to guide the University’s future work and focus in this crucial area.

- The Faculty of Social Sciences established an Equity, Diversity, Inclusion, and Indigenous Strategies (EDIIS) Advisory Group in 2020. The 13-member group will provide recommendations for EDIIS initiatives and monitor and report on the Faculty’s progress.

- The Faculty of Health Sciences Indigenous Health Initiative (IHI) continues to build momentum to decolonize health science education for Indigenous learners. The Faculty is developing an Indigenous Health Learning Lodge in alignment with the Truth and Reconciliation Commission of Canada’s self-determining approach to system reform with respect to health sciences education.

**Engagement with the City of Hamilton**

- McMaster continues to lead and actively engage in a range of initiatives within the City of Hamilton, including:

  - The Faculty of Social Sciences conducted a survey to better understand the community-engaged research (CER) taking place within the Faculty. The survey found that 25% of faculty members had engaged in CER in the previous year and conducted 68 projects with more than 130 community partners. The Faculty has also created a new interactive system to systematically track and share research projects.

  - Since it began its work in 2016, the Office of Community Engagement’s Research Shop has contributed nearly 14,300 student volunteer hours to address community partners’ questions on 44 projects. These included an environmental scan on affordable housing for newcomers to Canada and evaluations of academic and social programs for middle school students.

  - The McMaster Optimal Aging Portal continues to be a key resource to support older adults, caregivers, clinicians, public health professionals, social system professionals, and policymakers from the City of Hamilton and around the world. The Portal shifted its focus...
International Networks

- McMaster seeks to build a strong network of international partnerships, including research collaborations, internships, and exchanges with institutions around the globe, and supports our students and faculty in developing such connections:
  - During the pandemic the McMaster Exchange Program facilitated virtual exchange opportunities for both inbound and outbound cohorts. Simultaneously, through McMaster’s institutional membership in Universitas 21, over 130 students participated in the U21 Global Citizenship course led by Common Purpose.
  - McMaster Global Health provides a model of transdisciplinary higher education with cross-cultural learning opportunities. The program adapted its hybrid model to an entirely online collaboration with students from around the globe connected to lectures through six partner universities. The program culminated in a virtual academic symposium in which graduate students from McMaster had the opportunity to present their research to a global audience.
  - McMaster’s global experience programming through the Student Success Centre provides opportunities for students to enhance their community engagement, leadership, and impact through work-related, real-life learning. Partnerships with employers and international organizations enable students and recent alumni to complete international work experience and gain intercultural competencies that complement their academic studies and support their career goals.
  - In response to the COVID-19 pandemic, the global health graduate program moved its capstone experience — a two-week international global health symposium — to a digital offering spanning 12 different time zones. The symposium brought together more than 300 students and faculty from McMaster and its partner universities in the Netherlands, India, Colombia, Sudan, Japan, and Thailand.
  - Since the beginning of the COVID-19 pandemic, members of the Department of Health Research Methods, Evidence, and Impact have supported timely healthcare decision-making through partnerships with internationally recognized organizations. This has included the World Health Organization (WHO), Cochrane, and the Pan American Health Organization (PAHO).
  - The Global Health Office, in partnership with PAHO Collaborating Centres, provides support to Caribbean countries to strengthen their health human resources planning capacities. McMaster graduate students have the opportunity to participate in an international work-integrated learning project with a multi-lateral organization in Washington, D.C.
  - McMaster Global is an annual campus-wide showcase of the University’s global engagement activities, including International Education Week (IEW) and the annual McMaster Global Engagement Town Hall update. For the past three years McMaster Global and IEW has included more than 40 free workshops, seminars, lectures, academic and cultural events for students, faculty, staff, and alumni hosted and supported by 30 different campus wide stakeholders and community partners. This highlights the breadth of our collective commitment to global engagement, including addressing the United Nations Sustainable Development Goals (SDGs), and fostering global citizenship in support of McMaster’s vision and mission.
  - The Student Success Centre global team offered two new virtual work opportunities to promote students’ experiential learning: 1. Think Pacific, Fiji Virtual Internships in the Fiji Islands; and 2. Virtual Internship Partners, whereby students applied to companies in China, Japan, South Korea, Vietnam, India, and the United Kingdom.
  - McMaster is the host institution for Academics Without Borders, a virtual, volunteer-driven NGO that connects academics in the developed world with colleagues and universities in developing countries.

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KEY OUTCOMES

• In recognition of McMaster’s work and focus on employment equity, the University was named one of Canada’s Best Diversity Employers in 2020. For the sixth year in a row, McMaster was also named one of Hamilton-Niagara’s Top Employers. With approximately 12,000 faculty and staff, McMaster is one of the largest employers in the Greater Hamilton Area.

• In 2019-20, McMaster welcomed 6,820 full-time, first-generation students (representing about 21 per cent of McMaster’s Fall full-time student enrolment), 536 (1.7 per cent) Indigenous learners (First Nations, Métis, and Inuit) and 2,465 (7.6 per cent) students with disabilities. McMaster continually strives to improve access to underrepresented groups through pathway programs and initiatives.

• McMaster placed 14th in the world in the Times Higher Education (THE) Impact Ranking for 2021. This international ranking recognizes the impact universities are making in their own countries and on a global scale. The ranking is based on the Sustainable Development Goals (SDGs) adopted by the United Nations, which are designed to address the most serious challenges facing our world. McMaster placed 1st in Canada in Decent Work and Economic Growth and Partnerships for the SDGs, and 4th overall in the Good Health and Well-Being SDG.

• The School of Nursing began development of a new Nurse Residency Program in partnership with Nunavut/St. Joseph’s Healthcare to address the increasing demand for nurses in Nunavut. This program will support the transition of newly graduated nurses from the Accelerated Stream BScN into the Nunavut nursing workforce.

• McMaster is committed to improving the lives of people in the communities the University serves by partnering with community stakeholders to find creative solutions to complex challenges through research. Community-focused research initiatives include:
  ° In the Extended Primary Care at Home project, the Department of Family Medicine trialled an innovative model to treat patients with mild-moderate COVID-19 at home with close monitoring from primary care. This model reduced the demand on hospitals while facilitating early detection of those who needed hospital care.

  ° The Department of Family Medicine brought research and practice together by creating responsive and innovative interventions in at-risk long-term care homes, retirement homes, and residential care facilities during COVID-19 outbreaks. The Department is now leading efforts, in collaboration with the Hamilton Health Team, to translate lessons learned into continuous quality improvement in congregate settings.

  ° The First Nations Digital Democracy project seeks to understand the role of digital technologies, such as internet voting, in First Nations communities. The project brings together a unique collaboration of First Nations communities in Ontario, the Union of Ontario Indians, Elections Canada, industry partner Scytl, Keewaytinook Okimakanak Research Institute, Ryerson’s Centre for Indigenous Governance, the Carleton University Survey Centre, York University’s Institute for Social Research and McMaster University. All partners in this project are keen to develop insights and strategies for harnessing digital technologies to enhance participation and the quality of governance for First Nations communities.

  ° The McMaster Institute for Research on Aging developed two e-learning modules focused on osteoarthritis and brain health which were accessed by more than 75,000 users.
Caregiving Essentials, McMaster Continuing Education’s free online program supporting informal caregivers, won a 2020 Program Award from the Canadian Association for University Continuing Education. The program has served more than 600 caregivers since its launch in Fall 2018.

- McMaster has found ways to continue to positively engage the community in its academic programming and collaborations throughout the COVID-19 pandemic:
  - Since launching in May 2020, 2,888 people from more than 50 countries have visited the free FIRST Course for rehabilitation specialists, and the program’s resources have been accessed 3,880 times. Of all learners who completed the course, 99 per cent agreed it was worthwhile and would recommend it to a colleague.
  - Members of the Department of Health Research Methods, Evidence, and Impact have helped international organizations develop and launch the e-COVID-19 Recommendation Map, accelerating the availability of new evidence to support and advance implementation and research efforts in Canada and around the world, including low- and middle-income countries; established COVID-END, an international network of experts from the health and social sciences that supports evidence-based policy-making in Canada and abroad; and developed a suite of rapid reviews and network meta-analyses to address the challenges posed by the evolution of the COVID-19 pandemic.
  - In the spring of 2020, the DeGroote School of Business launched the Knowledge Labs series, which transitioned existing live engagement events to a virtual platform. The series featured 10 webinars that generated 3,000 combined registered guests across the DeGroote and McMaster alumni global communities, as well as members of the business community.
  - McMaster plays a critically important role in the transformation of Hamilton with students making up 9.1 per cent of the Hamilton population between the ages of 15-64 (Strategic Mandate Agreement Metric 4).

- McMaster programs provide high-quality preparation for future careers. In the 2019 Ontario University Graduate Survey of McMaster’s 2017 graduates, 92.7 per cent of those in full-time employment indicated that they were in employment that was closely related or somewhat related to the skills they studied at university. The Ontario average is 90 per cent (source: Ministry of Colleges and Universities’ 2019 Ontario University Graduate Survey; Strategic Mandate Agreement Metric 1).

- McMaster prepares graduates for meaningful lives and careers, as evidenced by the 2017 median employment earnings two years after graduation of $56,631.28 (source: Education and Labour Market Longitudinal Platform, Statistics Canada; Strategic Mandate Agreement Metric 9).

With the guidance of the Indigenous Education Council, the University continues to focus on advancing and supporting Indigenous initiatives, providing enhanced opportunities for Indigenous faculty, staff, and students.
GOAL THREE: STRENGTHENING THE EXCELLENCE OF OUR RESEARCH AND OUR GRADUATE EDUCATION AND TRAINING, WHILE SEEKING OPPORTUNITIES TO INTEGRATE RESEARCH MORE PURPOSEFULLY INTO OUR ACADEMIC MISSION.

Ranked as Canada’s most research-intensive university for four consecutive years, McMaster excels at interdisciplinary and collaborative research, working with industry, government, community partners, as well as other academic institutions around the globe. Our research reflects current and emerging issues of relevance to our local and global communities and has impact across a wide range of disciplines. We continue to build on our track record in technology transfer and entrepreneurship to provide opportunities to our faculty and students and bridge the gap between research and commercial application. Committed to engaging students in research activities, we strive to integrate research and teaching across our programming. Our graduate training is central to sustaining our research intensity and we are committed to equipping graduate students in all programs with the practical skills and experiential knowledge that will enable them to translate their academic achievements into success after graduation.

Research Infosource 2020 ranked McMaster as Canada’s most research-intensive university for the 4th consecutive year, with a total research income of $372M, averaging $404,000 per faculty member – more than double the national average.
Inclusive Excellence

- McMaster received an EDI stipend from the federal Tri-agency Secretariat to advance inclusive excellence in the research ecosystem. The funds have been used to seed a research project examining the barriers to, and enablers of, equitable and inclusive retention and recognition processes, with the goal of engaging and advancing diverse scholars and research chairholders.

- A $1.2M grant from Indigenous Services Canada will provide palliative care training and coaching for community-based teams in Indigenous, First Nations, Inuit, and Métis communities, building on previous work on palliative care within these communities.

KEY INITIATIVES

- McMaster is a powerhouse in the area of infectious disease research, health research, and advanced manufacturing. From the spread and prevention of COVID-19 to its social and economic impacts, to our ability to assist in novel technological innovations, McMaster’s world-leading experts and institutes are helping combat COVID-19. Canada’s Global Nexus for Pandemics and Biological Threats leverages our collective strength and international networks, building an environment for the world’s top experts across disciplines and sectors to ensure we are better prepared to meet the challenges of future biological threats. Since the beginning of the pandemic, our federal, provincial, and industry partners have invested more than $60M to support more than 150 COVID-related research projects across campus.

  - Through the Canada Foundation for Innovation’s Exceptional Opportunities Fund, McMaster researchers received $1.5M to address the impact of SARS-CoV-2 on human and animal hosts; track its spread through our communities using genomics approaches; leverage this information in the development of new diagnostics; discover and develop new antiviral therapies and trace the course of infection in individuals using serological studies, which are essential for vaccine development.

  - The Ontario Together Fund invested $1.2M in McMaster’s Centre of Excellence in Protective Equipment and Materials (CEPEM), Canada’s first and only research hub dedicated to developing, testing, and validating personal protective equipment (PPE).

  - Two McMaster projects received CITF awards totalling some $1.5M to study the use of vaccines in the South Asian and First Nations communities. Researchers are investigating vaccine access, immunogenicity, effectiveness, and safety among South Asians in Ontario and British Columbia as well as vaccine access, uptake, effectiveness, and safety in First Nations Communities.

  - With Natural Sciences and Engineering Research Council, MITACS, and industry funding, researchers at McMaster are developing an oral delivery system for COVID-19 vaccines using thin polymer strips. This convenient and easily administered technique could eliminate subcutaneous injection, and the requirement for trained healthcare professionals, in the vaccination process.
Since the beginning of the pandemic, our federal, provincial, and industry partners have invested more than $60M to support more than 150 COVID-related research projects across campus.

- McMaster received almost $1M from the Ontario government to help detect COVID-19 in wastewater, allowing researchers to deliver early warnings to municipalities before a spike in new cases occurs, and enhancing the ability of local public health units to identify, monitor, and manage potential outbreaks.
- McMaster researchers are leading two of Canada’s four national pandemic response research networks: The COVID-19 Evidence Network (COVID-END) – designed to provide rapid evidence profiles for decision-makers – and a national modelling network. Both bring together experts from across Canada to share the latest research findings and help inform public health policy in real-time.
- Researchers associated with Canada’s Global Nexus have been assisting the Public Health Agency of Canada to better understand the spread of COVID variants of concern; made recommendations to inform Ontario’s vaccine rollout; lent their expertise to federal and provincial decision makers; and are undertaking significant research projects to develop and deploy relevant and timely solutions to prevent, prepare for, and protect against pandemics and biological threats.
- The Canadian Institutes of Health Research awarded $2.5M to support the McMaster HealthLabs Canadian International COVID-19 Surveillance Border Study at Toronto Pearson International Airport.
- The Canadian Institutes of Health Research invested $2.6M to support two initiatives: the Canadian Longitudinal Study on Aging’s COVID-19 Platform that provides the research community in Canada and elsewhere with access to data to address urgent COVID-related questions; and COVID-19 Research Gaps and Priorities, designed to provide rigorous systematic summaries of the best available evidence from randomized clinical trials to inform COVID-19 treatment recommendations and develop trustworthy clinical practice guidelines.
- McMaster researchers led numerous intervention studies aimed at curbing hospitalizations due to COVID-19, including a multi-centred clinical trial testing the efficacy of serum transfusion from convalescent patients to those with active COVID-19. These researchers are also examining health inequities across multiple marginalized groups (homeless, BIPOC) in terms of disease management and vaccine roll out.
- Beyond health care, the DeGroote School of Business is supporting the airline sector in understanding the relative risks of incoming flights and engaging local non-profits and Business Improvement Areas to make them more resilient. Faculty are also collaborating with energy providers and customers to assess the impact of energy costs in the work from home environment and build safeguards to address cybercrime targeting seniors. In addition, DeGroote researchers are engaged in informing software design to address hospital readmission and support resource allocation through the pandemic.
- McMaster researchers continue to focus on the health and well-being of our local, national, and global communities:
  - The Canada Foundation for Innovation made a $9.6M investment into the McMaster-based Canadian Longitudinal Study on Aging (CLSA). This funding will help researchers identify early causes of conditions such as mobility impairment, disability, and cognitive decline and inform the development of interventions that increase a disability-free healthy life span.
The Canadian Housing Evidence Collaborative (CHEC) – funded with a $1.1M Social Sciences and Humanities Research Council Partnership Development Grant and based at McMaster – officially launched its pan-Canadian knowledge mobilization hub, bringing researchers together with policy and decision makers to help ensure that evidence-based data is put into practice.

A $1M grant from the Weston Family Foundation Microbiome Initiative will allow researchers to develop and validate platform technology to deliver a compelling pre-clinical data package for multi-system inflammatory diseases such as Crohn’s Disease.

McMaster engineers are working with a precision-medicine diagnostics company to get infection-testing technology to market while generating opportunities for students. Together, they have developed and successfully tested a new material to help detect critical but elusive markers of illness, permitting more accurate measurement of infections, including COVID and cancer.

A $1.5M award from the International Human Frontier Science Program (HFSP) is advancing McMaster’s antimicrobial research. As part of an international team, McMaster researchers will study how groups of bacteria cooperate with one another which could help develop targeted, pathogen-specific treatments. The Program was also awarded more than $1M to work with researchers in France and the US to explore bone mineral depletion and treatments for illnesses related to bone density.

Led by McMaster, a team of researchers from eight other universities in Ontario and Quebec have been awarded $1.65M in funding from the Natural Sciences and Engineering Research Council of Canada’s CREATE program. The Controlled Release Leaders (ContRoL) project focuses on developing a range of vehicles for controlled release. Although most-commonly associated with drug delivery, this also has applications in fields such as food science, anti-infection materials, and agriculture.

In addition to the McMaster Nuclear Reactor (MNR), McMaster houses an integrated suite of nuclear-related research facilities that enable discoveries in medicine, clean energy, nuclear safety, materials, and environmental science:

- McMaster formed a partnership with Bruce Power to further advance current and emerging medical isotope development and technologies related to the life extension of current reactors and new reactor development, including Small Modular Reactors (SMRs).
- McMaster is leading a project with the Canadian Nuclear Isotope Council and Nuclear Innovation Institute to identify challenges facing Canada’s medical isotope supply chain and evaluate potential technology, logistical, regulatory, and policy solutions.
- McMaster is one of only a few global suppliers of I-125, the isotope used to treat prostate and other forms of cancer. The McMaster Nuclear Reactor typically produces and ships enough I-125 to provide material for about 70,000 treatments per year. For extended periods throughout the pandemic, MNR was the world’s only supplier of the life-saving isotope and was able to successfully meet the international demand.
- As a global leader in nuclear research, development, training, and commercialization, McMaster lent its expertise to the national dialogue on SMRs, contributing a “Chapter” to the federal government’s Action Plan with a proposal to undertake an SMR Employment Feasibility Study. Specifically, the study – in consultation with community, business, and government stakeholders, including Indigenous communities, and municipal councils – will build on McMaster’s expertise in SMR technology validation, nuclear safety, waste reduction, nuclear security and site monitoring, and integrated urban energy systems.
- In collaboration with Candu Owners Group, Bruce Power, OPG, and a group of international researchers, McMaster researchers are developing advanced radiation detection and measurement instrumentation for low-dose mixed radiation to create alerts for subtle exposures that may not be observable but can have lasting negative impacts.
- The Canada Foundation for Innovation’s investment of more than $14M will complete MNR’s neutron beam lab by adding three neutron beamlines, enabling experiments that require high neutron brightness and expanding McMaster’s partnerships with two world-leading neutron beam facilities in the U.S.
- McMaster is known for its innovation and excellence in advanced materials and manufacturing research:
  - McMaster is a member of NGen, the national manufacturing supercluster, and is one of three universities leading Ontario’s Advanced Manufacturing Consortium, helping manufacturers improve productivity and reduce production costs.
  - Researchers in the Centre for Emerging Device Technologies received more than $2.1M from the Canada Foundation for Innovation to study bio-compatible materials engineering, monitor from farm-to-fork, transformative photovoltaics, and materials and devices for integrated photonics. The goal is to maximize the economic and social impact of academic research in nanotechnology.
  - With a $3.4M award from the Canada Foundation for Innovation, materials science researchers will provide unprecedented multi-scale 3-D imaging of the structure of materials over time and under conditions that mimic manufacturing and service to gather essential knowledge to bring new materials to market.
  - A $5.7M investment from the Canada Foundation for Innovation will allow researchers to build on the work of the world-leading Canadian Centre for Electron Microscopy to study the dynamic characterization of the structure and composition of materials as they evolve under use.
McMaster researchers, with support from MITACS, are supporting a leading aerospace company in developing next generation strategies, technologies, architectures, and products for its electrification program. McMaster researchers will develop concepts, architectures, algorithms, hardware platforms, firmware/software demonstrations, and design tools aimed at providing competitive advantage within the airline industry.

- McMaster researchers are recognized for their leadership in working to create equitable and sustainable societies:
  - McMaster has signed onto the United Nations Principles for Responsible Investments (UN-PRI), a set of practices that are aligned with the United Nations’ Sustainable Development Goals. McMaster is committing to a 45 per cent carbon reduction of public equities within its investment pool by 2030 and aspires to achieve a carbon neutral investment pool by 2050 for public equities investments. McMaster is also committed to improving transparency, measurements, and reporting associated with carbon and other sustainability issues including land, water, air, equality, diversity, and governance.
  - The Academic Sustainability Programs Office facilitates interdisciplinary, student-led, community-based, and experiential learning related to sustainability. The Sustainable Future Program consists of seven courses on topics such as advocacy, intersectionality, and the UN Sustainable Development Goals. In the upper-level courses, students work in interdisciplinary teams and engage with individuals from the McMaster or Hamilton communities to pursue projects resulting in real, sustainable change. Students can use these courses, along with 76 courses from across campus, towards an Interdisciplinary Minor in Sustainability.
  - The Student Activity and Fitness Expansion (SAFE) construction project has continued throughout the pandemic and is scheduled to open in 2022. The build-out and renovation will improve the environmental sustainability of the facility and better serve McMaster’s students.
  - McMaster was the first Canadian university to adopt the Task Force Recommendations for Climate-related Financial Disclosures (TFCD). The TFCD is focused on more effective climate-related disclosures and enables stakeholders to understand better the concentrations of carbon-related assets and climate-related risks.
  - McMaster’s expertise in data, smart technologies, communications, and AI is helping industries, governments, and policymakers make informed and evidenced-based decisions:
    - Supporting micro-credential advancement, McMaster’s Faculty of Engineering is a leading partner in the recently founded Digital Credentials Consortium facilitated by MIT, which includes 12 international partner institutions. As part of this consortium, McMaster Engineering has contributed to international digital credential standards and development and collaborated with numerous industry and government partners around the globe. The Faculty is also building a solution to the problem of digital data breaches by creating cryptographically signed records, which will eventually produce commercial spinoffs focused on digital credential development and secure issuing services.
    - Participedia – an international network of researchers, educators, practitioners, and policymakers who use an open-access crowdsourcing platform to share research and information about democratic initiatives around the world hosted by the Faculty of Humanities at McMaster – received a $2.5M Partnership grant from the Social Sciences and Humanities Research Council to expand its reach and impact.
    - Researchers in McMaster’s Centre for Software Certification were awarded $4M from the Ontario Research Fund – Research Excellence to commercialize technologies and develop multidisciplinary HQP in the field of mobile health. Their work will enhance healthcare in Ontario by creating innovative solutions using mobile and leading technologies via co-design, model-driven engineering, the Internet of Things, wearable computing, augmented/virtual reality, and machine learning.
  - To accelerate the adoption of digital technologies and smart systems within Canadian industries, McMaster was awarded $900K from the Future Skills Centre. This will support the introduction of digital advances, including the Internet of Things, the Industrial Internet of Things, and Industry 4.0, within industries such as manufacturing, transportation, healthcare, and supply chains.
  - The McMaster Industry Liaison Office (MILO) bridges the gap from research to commercial application and creates positive economic and social impact in the region. Recent initiatives include:
    - The 2020 Innovation Showcase focused on COVID-19 research and attracted more than 200 attendees, including industry professionals, researchers, and students.
    - MITACS supported over 20 McMaster projects and provided funding for projects that have an immediate impact on COVID-19. MILO worked with McMaster researchers to secure $1.47M in funding and hire more than 40 interns.
    - In collaboration with the Campus Store and Research & High-Performance Computing Support, MILO created an online platform to promote and license copyrighted works that are validated and reliable tools for use in a range of different applications. This includes helping patients monitor their quality of life and supporting further research to improve treatments for a wide variety of diseases. The platform has resulted in cost savings to the University and is enabling McMaster to expand the service to other institutions.
KEY OUTCOMES

• In 2020, McMaster ranked first in the country for research intensity, averaging $404,000 per faculty member, and totalling $372M in sponsored research income (Research Infosource). We are one of only two Ontario universities consistently ranked among the world’s top 70 universities and currently ranked fourth in Canada (Times Higher Education).

• From 2015 to 2019, McMaster researchers generated over $1.8B in external research funding (Research Infosource), and McMaster attracted approximately $200M in industry sponsored research (source: Council of Ontario Finance Officers 2018-19; Strategic Mandate Agreement Metric 8).

• The strength of McMaster’s research is seen in the 2020 listing of the world’s most highly-cited researchers from Clarivate Analytics. The listing included 18 McMaster researchers. Based on Clarivate Analytics data, McMaster ranks second within the U15 in Category Normalized Citation Impact (over the last 10 years – 2011 to 2020).

• Over the last year, MILO recorded 88 invention disclosures (source: AUTM 2018-19; Strategic Mandate Agreement Metric 5), 28 patents issued, $4.3M in licensing revenues, and over 800 research-related agreements. For COVID-related work alone, project values totalled nearly $6.3M.

• McMaster has been allocated 86 Canada Research Chairs (CRCs) and is home to 118 endowed chairs, 13 endowed professorships, one Canadian Institutes of Health Research Chair, six Natural Sciences and Engineering Research Council (NSERC) Industrial Research Chairs, and two Ontario Research Chairs.

• In 2019-20, researchers, graduate students, and postdoctoral fellows received $104.7M from the federal granting councils: $60.8M from CIHR; $32.6M from NSERC; and $11.3M from the Social Sciences and Humanities Research Council (SSHRC). In 2018-19, 10.3 per cent of McMaster’s funding was from the Tri-Agency Granting Councils (source: Tri-Agency Institutional Programs Secretariat; Strategic Mandate Agreement Metric 6).

• The Province of Ontario invested $1M in Canada’s Global Nexus for Pandemics and Biological Threats to establish a library of designed chemicals for new antibiotic drugs, and the development of on-line educational modules to inform the public, scientists, and clinicians on the most up to date research and understanding of the Antimicrobial Resistance crisis.

• McMaster was awarded $10M from FedDev Ontario to support an integrated automotive, aerospace, and advanced manufacturing network. Known as iHub, the state-of-the-art facility will expand the existing facilities at McMaster Innovation Park and leverage another $16.8M from industry partners. iHub will connect researchers with large automotive and aerospace manufacturers that require solutions, expanding opportunities for local suppliers from across southern Ontario to integrate into global supply chains. The network is expected to support more than 230 SMEs, spanning the manufacturing corridor from Windsor to Oshawa, facilitate commercialization of 100 new products and services, and create significant employment.

McMaster is committed to improving transparency, measurements, and reporting associated with carbon and other sustainability issues including land, water, air, equality, diversity, and governance.
Sixteen McMaster University researchers have been awarded $2.3M from the SSHRC Insight program to support projects ranging from Gateway Cities to big data, to the social interactions of making music, to union politics in the 21st Century. Eleven researchers from the DeGroote School of Business received funding from the Insight and Insight Development programs to support research and student training.

McMaster Innovation Park supports start-ups and scale-ups with a focus on life sciences and biotechnology; engineering and advanced manufacturing; and information and communication technology. Already home to 70 companies, with more than 800 people working onsite, the University is creating new commercialization space at MIP to support researchers in bringing their ideas to market.

In 2019-2020, several McMaster faculty were recognized for their research excellence: three were appointed to the Order of Canada; two were named to the Royal Society of Canada’s College of New Scholars, Artists and Scientists, one was inducted as a Fellow, and one was awarded the RSC’s McLaughlin Medal; one garnered Canada’s Steacie Prize; one was awarded the O. Harold Warwick Prize from the Canadian Cancer Society; one was awarded the Colton Medal; one was inducted into the Hamilton Gallery of Distinction; one was celebrated among Canada’s Most Powerful Women: Top 100 Awards; and five were named Fellows of the Canadian Academy of Health Sciences.

Nine researchers attracted $2.25M from the New Frontiers Research Fund’s Exploration stream, designed to support collaborative high-risk, high-reward interdisciplinary and international research.

The Canada Foundation for Innovation awarded more than $35M to five projects to build and expand the infrastructure to bolster McMaster’s nationally recognized strengths in materials research and healthy aging, and train the next generation of highly qualified personnel.

McMaster’s expertise in data, smart technologies, communications, and AI is helping industries, governments, and policymakers make informed and evidenced-based decisions.
FACT BOOK: GOALS AND PRIORITIES 2020-2021
Any questions concerning the contents of this book should be directed to:

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*Any revisions to the McMaster University Fact Book: Goals and Priorities will be reflected in its web version. Please check the Institutional Research and Analysis web site for the most up-to-date version.