



McGill

# CONNECTIONS

PRINCIPAL'S  
REPORT  
2010\*2011

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## CON NECT IONS

**CONNECTIONS:** WHETHER IT'S AMONG INDIVIDUALS, GROUPS OR INSTITUTIONS – OR AMONG DISCIPLINES, SECTORS OR REGIONS – McGill University thrives on the chemistry created when people and ideas come together.

To celebrate McGill's 190th anniversary, photographer Richmond Lam created portraits that make another kind of connection: Throughout this report, you'll see some of today's most dynamic McGillians paired with archival photos depicting our rich past (Owen Egan took the portrait on page 28). For more information on the background historical photos, please see the inside back cover.

**ON THE COVER:** The statue of founder James McGill, created by sculptor David Roper-Curzon, appears to stride across the lower downtown campus. Photo by Benjamin Gregory Carlisle.

**ADDITIONAL INSIDE PHOTO CREDITS:** Laura Drudi, Owen Egan, Allison Flowers, House of Commons, Lysanne Larose, McGill University Archives, Daniel Novak, Marc Rousso, Sapienza Università di Roma, Adam Scotti, Bruno Tremblay.

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## message from the principal

AS MCGILL UNIVERSITY CELEBRATES ITS 190TH ANNIVERSARY, IT IS NATURAL TO REFLECT ON HOW FAR WE HAVE PROGRESSED: FROM OUR FIRST SMALL CLASS OF MEDICAL STUDENTS HELD IN 1829, TO THE DYNAMIC INSTITUTION THAT IS RECOGNIZED YEAR AFTER YEAR AS ONE OF THE TOP UNIVERSITIES IN THE WORLD. YET MORE AND MORE, I SEE JUST HOW MUCH OUR PAST HAS SHAPED WHAT WE ARE NOW.

James McGill brought together two worlds that, on first blush, seem unlikely bedfellows: the intellectual milieu of the Scottish Enlightenment and the rough Canadian frontier. During his studies at the University of Glasgow in the mid-18th century, James McGill was molded by his country's unwavering commitment to free debate. The exploration of ideas – extending, crucially, to the serious examination of opinions running counter to one's own – was at the heart of his education. He was also ingrained with an unwavering belief in education itself. Learning was for him nothing less than the key to betterment and progress. The betterment of self, yes, but also the betterment of the world.

For James McGill, community engagement wasn't an abstract idea: It was something he put into practice in his adopted homeland. He served the public for many years as an elected member of the Legislative Assembly of Lower Canada. And he spearheaded grassroots community projects, such as the creation of a volunteer fire brigade to protect neighbours from the blazes that were an unfortunate reality of 18th-century Montreal.

THE ARTS BUILDING, THE UNIVERSITY'S FIRST, OPENED IN 1843.

Circa 1875



Circa 1890





## Connecting + Engaging

The students, faculty and staff of McGill today continue our founder's engagement with local communities – as well as communities that stretch throughout Canada and the world. Research, scholarship, learning – all aim to be of service to society. We see this philosophy in action at the Faculty of Dentistry's new Jim Lund Dental Clinic. This year faculty and staff built on the success of our long-standing mobile dental clinic, which brings free care to the disadvantaged, and began treating patients at a permanent clinic at the Welcome Hall Mission in southwest Montreal. We see it in our students' efforts to better lives through projects such as Moral Fibers, a new business led by Faculty of Agricultural and Environmental Sciences students, which prints T-shirts designed by artists in developing countries such as Haiti. A portion of the proceeds goes directly to the artist and another to a charity or school in his or her region. And we see it in McGill employees' generous support of Centraide's annual campaign; in 2010, we exceeded our fundraising goal while increasing our participation rate by 38 per cent over the previous year. In 2011, I am honoured to act as co-chair of the Centraide du Grand Montréal Campaign alongside Pierre Beaudoin, president and CEO of Bombardier, and I know that, yet again, the McGill community will outpace their prior support to Montreal's neediest.

The scope of ties to the broader community was brought home to me this year as we consulted with McGillians as part of my Principal's Task Force on Diversity, Excellence and Community Engagement. For me, these three themes are deeply interconnected. Excellence in a 21st-century university requires people with very different backgrounds, viewpoints and ideas to come together to push the boundaries of knowledge to best serve society. The Task Force this year delivered recommendations aimed at building on the power of our community, broadening our mechanisms of support for and our indicators of excellence and further strengthening our diversity and our contributions to the communities we serve.

The Scottish Enlightenment devotion to teamwork, collaboration and the pursuit of knowledge – seeds planted three centuries ago – is flourishing on our campuses. McGill's commitment to pursue interdisciplinary research and the exchange of knowledge is deeply apparent in the Quartier de l'innovation, a partnership between McGill, the École de technologie supérieure and the three levels of government. The initiative aims to transform a declining downtown district into a model innovation ecosystem that will increase Quebec's competitiveness in the global marketplace. Already, McGill has an economic impact of \$5.2 billion per year on the Quebec economy, according to a 2010 study by SECOR Group. Our cooperation with others – industry, government, other institutions – has never been stronger.

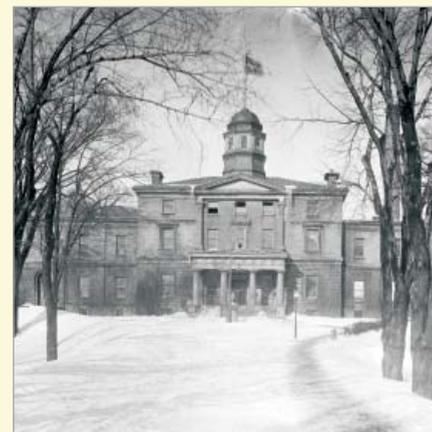
## Opportunities + Challenges

When James McGill left Scotland to build a new life in a small town at the edge of an undeveloped continent, he put his education and values through their paces. Communicating in French and English and working in some Aboriginal languages, ever open to new possibilities, he flourished where others floundered. Uncertainty abounded, as did hardship, but he persevered.

Nearing the end of his life, and wanting to share the gift of education that had served him so well, he stared at the side of a wintry mountain and saw the future.

What James McGill envisioned on the slope of Mount Royal was a place where people could work hard to hone their intellects. A place where they could expand their world views with knowledge and new perspectives – and then use that learning to improve their world. That he chose a former French colony as the site of what was essentially a Scottish Enlightenment outpost was likely not through chance; so strong was the intellectual kinship between France and Scotland that no less an authority than French philosopher Voltaire once said, "We look to Scotland for all ideas of civilization."

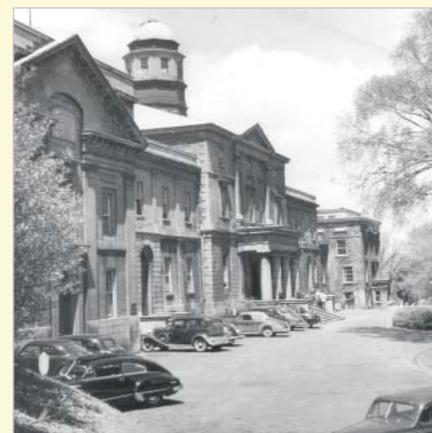
Circa 1910



Circa 1920



Circa 1945



Just as James McGill grew his fortune by hard work, not luck, the McGill University of today is not the product of happenstance. Our motto is, after all, *Grandescunt Aucta Labore*: “By work, all things increase and grow.” Of course, it takes not just hard work, but smart work to build an environment that nurtures innovation and gets results. Our canny founder engineered his legacy to ensure his vision would come to fruition: he specified a date by which the college must be established, or his bequest would disappear. In the face of the particular funding challenges Quebec universities face, we apply today the same gutsy ingenuity that James McGill possessed in order to achieve our goals and compete with the best.

Circa 1947



Circa 1950



Circa 1971



## Building the Knowledge Society

It is no secret that funding constraints can impede our ability to respond to the needs of students, faculty and staff as well as external communities. This year, we launched the Strategic Reframing Initiative, a disciplined effort to streamline administrative processes and to find new resources in support of our mission. We work to ensure that every dollar is spent wisely and accountably. By implementing new administrative efficiencies and finding new sources of revenue, we aim to more fully support our students, faculty and staff. In recent years, McGill has augmented staff development programs for both individuals and units to include custom-built programs in areas such as service delivery and leadership development. Our ultimate goal is to ensure that all members of the community, as well as the University as a whole, can achieve their highest potential.

Both the federal and provincial governments substantially increased investments in higher education and research in their 2011 budgets. Canada and Quebec, though challenged financially, escaped much of the deep economic trauma afflicting many other countries. I warmly congratulate both governments on their wise decision to stay the course and to continue to strengthen the foundations of our knowledge society.

In its 2011 budget, the Government of Quebec introduced a partnership model for university funding, in which everyone who directly benefits from the system is expected to increase their contribution. The Government will fund \$430 million of the \$850 million to be injected into the system by 2016-17, with students, individual donors, industry and universities and other organizations making up the remainder. Tuition will rise to 1968 levels adjusted for inflation, a matching program will create incentives for private donors, and universities must increase auxiliary revenue through parking and a range of other means. Importantly, tuition increases will be accompanied by substantial new student aid to ensure that accessibility to post-secondary education remains a priority. At McGill, we advocated long and hard for many of these changes, which will help close, but not eliminate, the funding gap between Quebec universities and the average funding for Canadian universities.

In addition to the changes introduced in the recent budget, we are pleased that the Ministry of Education, Recreation and Sport recently recognized that the new Desautels Faculty of Management MBA program may be offered on a self-financing basis.

My colleagues and I work closely with the Association of Universities and Colleges of Canada and sister research-intensive universities, as well as directly, to promote effective federal investments, as we also commit to strong accountability for our performance. The Government of Canada introduced substantial new support for research and talent in 2011, extending some programs and adding a major Brain Research Fund (\$100M). Indirect costs, which cover the true cost of research, still lag very significantly behind international best practices, however – creating a critical funding gap for the best research-intensive universities. In addition, we must continue to demonstrate the compelling importance of effective funding for basic research and the social sciences and humanities.

McGill will see a significant share of new resources, but the increased revenue provides no magic bullet. McGill will continue to be underfunded compared to those universities that rank with us among the top 20 institutions in the world. We will continue to make tough decisions regarding how best to allocate our resources and to achieve excellence according to our mission.

## A Special Year in Our History

Fortunately, our people are cut from a special cloth. They are, simply put, our greatest asset. As our history has shown, and the achievements outlined in this 2010-2011 report reveal, McGillians have a remarkable gift for making the best of their circumstances. I give my heartfelt thanks to the extraordinary students, outstanding faculty and dedicated administrative and support staff who have contributed so much to make the past year a success. McGill's Board of Governors and Senate continued to provide remarkable governance, and I thank each of our Senators and Governors for volunteering their time and for their contributions. Our accomplishments, today and throughout our history, are also made possible with the extraordinary support of McGill's loyal band of alumni and friends, here at home and throughout the world. And thanks to their support, Campaign McGill has now surpassed 80% of its \$750 million goal.

The past year brought many changes. We warmly welcomed new deans Sean Ferguson, of the Schulich School of Music, and Colleen Cook, Trenholme Dean of Libraries, as well as two seasoned leaders who joined McGill's senior administration team: McGill alumna Rose Goldstein, formerly of the University of Calgary, became Vice-Principal (Research and International Relations) and Michael Di Grappa, formerly of Concordia University, took over as Vice-Principal (Administration and Finance).

We thank Richard Levin for his fine contributions as Vice-Principal (Health Affairs) and Dean of Medicine, as he completes his term.

The scientific community at large mourned the death of Montreal Neurological Institute and Hospital director David Colman. Professor Colman was a brilliant scientist whom I was proud to call friend. In his time at McGill, he made outstanding contributions to the field of neuroscience and to the evolution of the Neuro alike. His legacies will resonate and inspire for decades.

As we at McGill celebrate our 190th anniversary, we take great pride in our present but also in our past. And we are inspired by our great history. The values of the Scottish Enlightenment that James McGill brought with him – openness to different views, a commitment to hard work, and a belief that knowledge betters the world – have profoundly shaped what McGill University is today, and they also shape our future.

In the early 19th century, James McGill had the courage to take a leap of faith. To best serve Montreal, Quebec, Canada and the world in the decade leading up to our 200th anniversary, we draw inspiration from his example. Just as he saw possibilities that were invisible to others, we seek to view the world through his eyes. Where others see obstacles and stumble, we create opportunity and seize it. This is McGill's legacy. This is McGill's future.

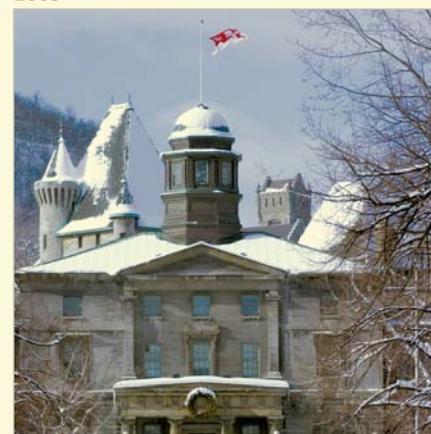
## Heather Munroe-Blum

Principal and Vice-Chancellor  
McGill University

Circa 1980



2005



2009





# 1\*

## the community around us

THE CONCEPT OF COMMUNITY EXTENDS WELL BEYOND MCGILL'S GATES. IN NEARBY *QUARTIERS*, OR IN DISTANT REGIONS OF QUEBEC, WE PUT OUR LEARNING, INGENUITY AND CREATIVITY TO WORK FOR GOOD CAUSES. EDUCATIONAL AND RESEARCH OUTREACH ARE JUST THE BEGINNING.

### Educating + Entertaining

The Faculty of Education is working with local schools, organizations and other McGill units on a number of initiatives to promote literacy and student engagement – and combat the high school drop-out rate. Professor Bronwen Low, Integrated Studies in Education, leads Building Literacy Skills through Popular Culture. The project builds on skills students often already have – as rappers, for example – to study traditions of oral performance and build communities of poets in the classroom and at local events.

Each year, McGill produces lectures and concerts for grade schoolers, prospective students and the public – and this year we took some of our most creative acts “on the road.” The Institute for the Public Life of Arts and Ideas, in collaboration with the School of Continuing Studies, held the Great Trials Lecture Series at the Westmount Public Library. The series looked at the contexts and consequences of the trials of Socrates, Oscar Wilde, Slobodan Milošević and other (in)famous defendants. The Faculty of Arts promoted its new Mordecai Richler Writer-in-Residence program with a number of events, including tours of the streets (and pubs) important to the novelist's work and life. At the Schulich School of Music, Montreal-area schoolchildren were enlisted to design backdrops for a production of *Hansel and Gretel* and then invited to a matinee performance of “their” opera.

### Raising Money + Awareness

Big of heart and keenly attuned to social needs, McGill's students are a driving force in a cross-campus culture of charitable giving. In the fall of 2010, the undergraduate students' society created the Charity Committee of SSMU to fund aid initiatives. After a chance meeting with the director of the Native Women's Shelter Montreal, Law student and former professional chef Joseph Flowers (above right) put together a fundraising supper that raised



more than \$13,000. His fellow Law students joined with Social Work and Education students to create Community Captured, an event showcasing photos taken by disadvantaged people in Montreal. At the Desautels Faculty of Management, BCom students organized activities such as Five Days for the Homeless (a frigid March sleepout to support Dans la rue, which works with Montreal street kids), while MBA students created a popular YouTube video that helped raise awareness – and more than \$22,000 – for prostate cancer research.

### Helping Hands

McGillians are quick to reach out to people in need. Through Pro Bono Students McGill, for example, McGill Law students provide free legal research, information and service to the underrepresented and disadvantaged. Last year, 85 students worked in 28 local organizations in Montreal. And, this past spring, following the flooding in the Richelieu Valley region south of Montreal, McGill's Emergency Measures Office organized a busload of volunteers to participate in a cleanup effort dubbed SOS Richelieu.



IN FEBRUARY, MCGILL'S FACULTY OF DENTISTRY AND THE WELCOME HALL MISSION opened the Jim Lund Dental Clinic in Montreal's St. Henri district. CYRIL MORGAN (right) is executive director of the mission, which has been helping disadvantaged Montrealers since 1892. Through the new clinic, SHUANG LIU (left) and other Dentistry students provide free care to the homeless, low-income families and other disadvantaged Montrealers. The new clinic is named in memory of Jim Lund, McGill's long-time Dean of Dentistry and a passionate advocate for delivering quality dental care to all members of society. Dr. Lund died suddenly in December 2009. The Jim Lund Dental Clinic is funded through the generosity of several donors, including the R. Howard Webster Foundation, the George Hogg Family Foundation and A-dec, a dental equipment firm.



# 2\*

## global campus

McGILL UNIVERSITY WAS BUILT IN AN INTERNATIONAL CONTEXT AND ON THE MEETING OF CULTURES.

Our story started with the seeds of inquiry and innovation taking hold in *terroir* cleared by Scottish toil and laying the foundation of intercultural collaboration. Like Montreal itself, McGill now buzzes with the energy of many languages and cultures. Not only are we importing diverse cultural perspectives by increasing our international student and faculty recruitment efforts, we are continually exporting new knowledge around the planet through a wealth of new and established partnerships and initiatives.

### Bringing Quebec to the World...

In the spirit of extending global collaborations, senior administrators joined Clément Gignac, Quebec's Minister of Economic Development, Innovation and Export Trade, on missions to India and Germany. The University also paid official visits to many countries on behalf of Quebec and Canada as well as McGill, resulting in new opportunities and new research agreements in several fields. This year McGill and the Canadian Friends of Hebrew University raised more than \$1.5 million to be used for joint collaborative projects in medicine, epigenetics, food safety, water management, human rights law and international business.

More than 500 McGill students travelled to other countries on exchanges, and many others participated in internships around the world. McGill signed new student exchange agreements with 10 institutions in as many countries, covering six continents.

### ...And the World to Quebec

By opening our campuses to diverse perspectives and opinions, McGill is working to innovate and enrich its learning and teaching environments. To this end, the University held numerous international conferences and delegations. A sampling:

- Professor TORRANCE KIRBY of Religious Studies chaired an international conference in Turkey, with the support of his faculty and McGill's CENTRE FOR RESEARCH ON RELIGION. The conference was entitled "Philosophy and the Abrahamic Religions: Scriptural Authority and Theories of Knowledge."
- The new MCGILL INSTITUTE FOR AEROSPACE ENGINEERING conducted workshops with members of Germany's aerospace sector and scientists from India's International Advanced Research Centre for Powder Metallurgy and New Materials.
- The MCGILL INSTITUTE FOR THE STUDY OF CANADA welcomed political dignitaries from both sides of the world's longest border to "Canada and the United States: Conversations and Relations," its 16th annual conference.
- The FACULTY OF EDUCATION hosted 2,200 international educators for the annual Conference of the Comparative and International Education Society.



PARASITIC INFECTIONS SUCH AS RIVER BLINDNESS OR LYMPHATIC FILARIASIS affect hundreds of millions of Africans. TIMOTHY GEARY (left), director of the Institute of Parasitology, and ÉLIANE UBALIJORO (right) of the Institute for the Study of International Development are collaborating with colleagues in Botswana, South Africa and elsewhere to develop new, affordable anti-parasitic drugs made from local, sustainable resources. The project received \$1 million from Grand Challenges Canada, the Canadian Institutes of Health Research and the Bill and Melinda Gates Foundation.



## ★ HIGHLIGHTS

The University celebrated successes in several international funding competitions, enabling researchers to engage with issues “on the ground” around the world:

- **INDIA, KENYA AND THE CARIBBEAN:** Canada’s International Development Research Agency awarded \$10.2 million to three interdisciplinary food security projects led by VALÉRIE ORSAT (Bioresource Engineering), GORDON HICKEY (Natural Resource Sciences) and LEROY PHILLIP (Animal Science). The projects will develop new technologies and adoption models to address agriculture, nutrition and other pressing human and environmental issues.
- **CHINA:** A \$230,000 grant from the Social Sciences and Humanities Research Council is helping GRACE FONG of East Asian Studies and her global colleagues study literary connections, kinship and society in Ming-Qing women’s writing.
- Thanks to a new Quebec grant, the Mobility funding program was expanded to support Canadian and international students in their study abroad, resulting in an 85 per cent increase in undergraduate travel awards.



THE DESAUTELS FACULTY OF MANAGEMENT’S “FIVE HOT CITIES OF THE WORLD TOUR” takes students out of the classroom and into the world’s economic hubs. Each year, the students, led by professor Karl Moore, visit hotbeds of global commerce and competitiveness. On this past trip and on tours to come, there is an added element of fundraising. During the 2011 trip to Delhi, Mumbai and Bangalore, the undergrad and MBA students used social media to raise \$17,900 for the K.C. Mahindra Foundation’s Nanhi Kali Project, an initiative that increases educational opportunities for young girls in India. McGill students pictured here with project beneficiaries are (left to right): ARTEM LUHOVY (MD/MBA), ANDREAS SCHULER (BCom), JUN YEO (MBA), MELANIE WALSH (MBA) and CHARLES BERN (MBA).



**7,294 (20%):**

McGill students from outside Canada

**307 (49.2%):**

Postdoctoral scholars from other countries

**132:**

McGill’s student exchange partners

**513:**

McGill students who travelled on exchanges last year

**491:**

International students who visited McGill on exchanges

# 3\*

## student life + learning

“BY WORK, ALL THINGS INCREASE AND GROW.” OUR UNDERGRADUATE STUDENTS TODAY LIVE THE UNIVERSITY’S MOTTO BOTH IN AND OUT OF THE CLASSROOM. INTELLIGENT AND INDEPENDENT, THEY IMMERSE THEMSELVES IN THEIR STUDIES. VIBRANT AND OUTGOING, THEY ENGAGE WITH CULTURE, SPORTS AND COMMUNITY LIFE.

Our high-achieving students thrive on challenge, and we’re working to more actively engage them with McGill’s innovative research, international reach and, more and more, diverse communities and wide-ranging ideas. This year the Principal’s Task Force on Diversity, Excellence and Community Engagement laid out recommendations, including ways to improve the student experience. The administration will publish a formal response in late 2011; however, changes are already underway.

### Building Diversity

Our home city of Montreal represents and celebrates diversity. Our student body reflects this variety, with 55 per cent coming to McGill from Quebec, 25 per cent from the rest of Canada and 20 per cent from other countries. McGill has long had the highest percentage of degree-seeking international students of any Canadian research university, a characteristic that has advanced our reputation as one of the world’s great schools.

We are now broadening our community beyond geographical origin, to become a more vibrant community with greater socio-economic, linguistic, cultural and other forms of diversity. Recently, we conducted a survey to better understand our students’ identities and provide a foundation for change.

The ideal learning environment is one in which everyone feels free to share their opinions and ideas. All in all, students report McGill is just such an open-minded place, with low levels of perceived discrimination. We are committed to addressing exceptions head-on.

Like Montreal, McGill is a linguistically rich environment. Some 58 per cent of our students rate their French speaking skills as “good” to “excellent,” and nearly 40 per cent say they speak one or more languages, other than French or English, with family and friends.

Our survey also found that nearly 25 per cent of our students come from families where neither parent holds a university degree.

### Increasing Access + Academic Success

A key theme of the Principal’s Task Force is the need to reach out to qualified students from groups traditionally underrepresented on campus. Substantial increases in student aid are bringing us closer to our goal of ensuring every qualified student can come to McGill, regardless of his or her financial circumstances.

First Nations students bring to the classroom unique cultural perspectives. Our Aboriginal admissions policy expands our traditional admissions process to recognize community and cultural achievements when evaluating qualifications of prospective Aboriginal students. This program will serve as a model for future efforts to expand the diversity of our student body.

Sharing of knowledge, expertise and perspective can help students, particularly those who are first in their family to attend university, to prosper in an unfamiliar environment. McGill’s new mentoring program allows students to talk with staff volunteers, who share their experiences and advice.

### Not Your Average Classroom

An innovative education demands spaces other than the traditional classroom. For instance, our new state-of-the-art Alphonse-Desjardins Trading Room will allow Management students to master the complex analytical tools needed to succeed in financial services. Funded by Desjardins Group, the facility forms the centrepiece of a new Business Intelligence Centre in the Desautels Faculty of Management.



A world-class culinary and product development facility for training future dietitians, nutritionists and food scientists opened this spring on our Macdonald Campus. The new food laboratories feature four open-concept learning areas and the latest in culinary technology, providing for a professional learning environment.



## ★ ACCOMPLISHMENTS

### MUSIC



- Schulich School of Music student PHILIPPE SLY was one of five promising young opera singers selected as winners of the Metropolitan Opera's 2011 National Council Auditions in New York.
- Schulich violinist EWALD CHEUNG was named the recipient of the largest privately funded music scholarship in Canada: the Schulich School of Music's Golden Violin Award. The award is provided by businessman and philanthropist Seymour Schulich.
- Schulich pianist CHARLES RICHARD-HAMELIN won the Toronto Symphony Orchestra Concerto Competition, and was awarded the Grand Prize in the Quebec Prix d'Europe competition, among other honours. Other Schulich Prix d'Europe winners were percussionist ISABELLE TARDIF, violinist VICTOR FOURNELLE-BLAIN, trumpeter ANDREAS STOLTZFUS, violinist CARISSA KLOPOUSHAK, pianist GASPARD TANGUAY-LABROSSE and soprano JANA MILLER.

- The Dalai Lama Center for Peace and Education awarded inaugural Dalai Lama Fellowships to two McGill School of Environment (MSE) students, ALEX PRITZ and CHRISTIAN ELLIOTT. Their project will link schoolchildren in Montreal, the Philippines, and a Nairobi slum to exchange views on global waste and overconsumption, and to collaborate on waste reduction projects. Pritz also launched the 2010 Forces AVENIR prize-winning Developing Pictures with WILL MILLER, also a student at MSE. Developing Pictures films and produces mini-documentaries for small grassroots aid organizations.
- McGill Debating Union members SARO SETRAKIAN and SEAN STEFANIK secured the top spot at the Hart House IV competition, one of North America's most prestigious British Parliamentary tournaments.

- The Forces AVENIR awards, which recognize young people's contributions to building a society of socially conscious, active and responsible citizens, honoured the MONTREAL WORLD HEALTH ORGANIZATION SIMULATION, created by McGill medical students, with the Health award; and DEBORAH HAYEK (Anthropology and Social Studies of Medicine) and JONATHAN GLENCROSS (School of Environment) with Undergraduate Personality awards. Glencross also collected Earth Day Canada's Individual Hometown Heroes Award for his work on launching the Sustainability Projects Fund, among other contributions to sustainability at McGill. Glencross shared the \$10,000 award with the Local Food Plus charity.
- EYAD JAMALEDDINE (Bioresource Engineering) was one of five Canadian recipients of the 2011 ECO Canada Student Awards for his research on "Composting bio-reactors."
- Chemical Engineering students OMER DOR and DAVID MORRIS picked up first prize in the TD Go Green Challenge for their proposal, "The Integrated Food and Energy Greenhouse." The team received a \$20,000 scholarship and paid internship with the TD Friends of the Environment Foundation, while McGill received \$100,000 toward campus greening.
- DESAUTELS BCOM STUDENTS placed first out of 20 competing universities at the seventh annual Business Strategy Challenge at Georgetown University in Washington, DC.
- BCom student FRÉDÉRIQUE BOVET was the youngest of 18 university students recognized as "Future Stars" by *Les Affaires*.
- The McGill team of JACLYN LEEBOSH and MARGEUX GIRARDIN won first prize in the 2011 TOPO Cossette competition for Quebec university students graduating in marketing.
- McGill Law graduates MICHAEL BOOKMAN, ANNAMARIA ENENAJOR, ADELA GOTZ, ANJA KORTENAAR, COREY OMER and MARY RACE will make up six of the 27 clerks of the Supreme Court of Canada in 2012.
- Arts students MATTHEW DUBÉ, LAURIN LIU, MYLÈNE FREEMAN and CHARMAINE BORG were elected to the House of Commons in Canada's 2011 election (see photo in Year in Review).

- ELECTRICAL ENGINEERING STUDENT SONNY BAE models the prototype of a new high-tech sensor glove that helps stroke patients recover lost motion by playing specially designed, clinically relevant video games at home. Bae and other engineering students were part of a team that developed this rehabilitative tool. Medical student JUSTIN TAN is the moving force behind the glove, which allows doctors to remotely monitor patient progress.



## ★ ACCOMPLISHMENTS (CONT.)

### ENTREPRENEURSHIP



- The 2011 Dobson Cup competition for student entrepreneurs attracted 58 submissions from across the university's campuses. Faculty of Agricultural and Environmental Sciences undergrads MATT BRIGHTMAN and MARTIN WEISS (pictured here, centre and right, with Dobson Centre Director Gregory Vit) picked up top prize in the for-profit category for Moral Fibers, a T-shirt retailer that aims to help lift developing-world artists out of poverty. In the not-for-profit category, first prize went to Streetsuds, a laundry service designed to advance the mission of Montreal's St. James Drop-In Centre, which helps marginalized and homeless people meet basic needs. Recent Arts grad DANICA STRAITH is the Centre's Creative Arts Coordinator.
- DANIEL COHEN and MARK SADAKA were named 2010 Entrepreneur Quebec Champions by Advancing Canadian Entrepreneurship.
- BCom student GIDEON HAYDEN was chosen from among 1,300 applicants for The Next 36, a competition of Canada's promising future entrepreneurs.
- Four McGill Architecture students received awards in the 2011 Lyceum Traveling Fellowship in Architecture competition. MENG LI was awarded first prize, BORIS MORIN-DEFOY was awarded third prize, and STEPHANIE HUSS and SARA-JEANNE JACQUES-DAGENAIS received merit awards.
- ALEXANDRE ALLARD, a student in Medicine, and his friend DANNY LUONG (Cégep de Sainte-Foy) were the first Canadians ever to win the annual international Stockholm Junior Water Prize for their research on the biodegradation of the plastic polystyrene, commonly used for packing and disposable containers.

## ★ ATHLETIC ACHIEVEMENT

- Redmen forward ALEX PICARD-HOOPER (pictured, page 14) became the first McGill athlete to win the Senator Joseph Sullivan trophy as the CIS hockey player of the year. He also won the D. Stuart Forbes Trophy as McGill's male athlete of the year and was Quebec's nominee for CIS athlete of the year.
- FRANCIS VERRAULT-PAUL won the Guy Lafleur Trophy, awarded annually to the Quebec university hockey player who best combines hockey with academic success.
- CATHY CHARTRAND, captain of the Martlets women's hockey team, won the Dr. Gladys Bean Trophy as McGill's female athlete of the year for the second consecutive year. She also won the Muriel Roscoe Trophy for proficiency and leadership.
- Distance runner SARAH MCCUAIG won four gold medals to lead McGill to a second-place finish at the 2011 Quebec university track and field championships. McCuaig also helped the Martlets win the 2010 cross-country championship.
- The BASEBALL REDMEN captured the 2010 Canadian Intercollegiate Baseball Association Championship, the second in McGill history.
- McGill swimmer STEVEN BIELBY was named a 2010 Desjardins Top Eight Academic All-Canadian, and captured a pair of gold medals at the 2011 CIS championships in Calgary. In three years, he has won a school record six gold medals, as well as one silver and two bronze medals. He was recognized as Quebec's university swimmer of the year.
- The REDMEN RUGBY TEAM defeated Concordia to win their fifth consecutive Quebec University Rugby League championship.



STEPHEN T. MOLSON and his wife, Nancy, donated \$1 million to the McGill Redmen hockey team, to be used towards coaching, program development and player recruitment. The Molsons' gift, which coincided with the team's 134th anniversary, matches the largest ever given to a McGill varsity sport. Stephen Molson played varsity hockey for the Redmen from 1958-63, making him the fourth member of his famous family to skate for what is thought to be the world's oldest organized hockey club.



PETER SMITH (BEd'79, MA'86, left) AND KELLY NOBES (BEd'97, MA'01, second from right) coached both McGill student hockey teams to Canadian Interuniversity Sport victory this year. The Martlets – including tournament MVP JORDANNA PEROFF (BA'11 in Religious Studies, currently pursuing a management certificate) – won their third championship in three years, while Desautels Management student ALEX PICARD-HOOPER helped the Redmen win the CIS silver medal.



# 4\*

## graduate + postdoctoral studies

COUNTRIES ACROSS THE WORLD ARE FIGHTING TO ATTRACT THE BEST GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS. IT'S NO SECRET WHY.

When they finish their studies – and even before – these highly skilled people boost innovation and increase well-being, helping regions thrive in the global knowledge society. They are also most likely to stay on to live and work in the places where they studied.

Graduate students are essential partners in McGill's research mission. They spark new ideas, bring fresh approaches and inspire undergraduate students. To fulfill the needs of Quebec and Canada, and to achieve our own ambitious goals, we aim to be Canada's premier university for graduate and postdoctoral studies in the 21st century.

### Attracting + Retaining the Best

McGill recruits not only from Quebec and Canada, but from around the world. Canada's brightest students are increasingly considering their academic options abroad, and we are just as ambitious in reaching out to attract international talent. Fortunately, McGill has a great foundation; we offer a vibrant, exciting and challenging learning environment where graduate students can work with world-class faculty in a world-class city.

We are seeing success. In 2010-11, 49 per cent of the university's postdoctoral fellows came from outside Canada. McGill has the highest percentage of PhD students in its student body of Canada's top research universities. To attract and retain more top-quality graduate students, we are working hard to offer competitive financial support, a streamlined admissions process, great career preparation and an overall improved student experience.

### Increasing Funding

Graduate student support is a challenge for a publicly-funded university performing to international standards of excellence. However, with the strong support of donors, industry and other partners, we have made graduate fellowships a priority, increasing funding to masters students by 15 per cent and to doctoral students by 27 per cent over the three years ending in 2009-2010. These rates of growth were among the highest at Canadian

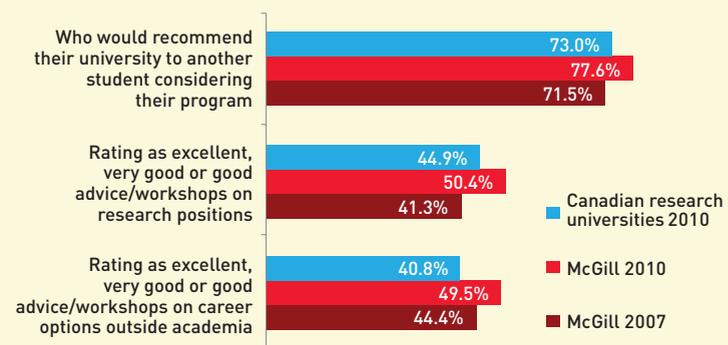
research universities, and McGill is closing the funding gap with its peer group. The University uses its financial support strategically. We offer flexible funding packages suited to individual student needs and provide over \$700,000 annually for conference travel and research dissemination, boosting students' networks and knowledge.

### Defining Success

Career options for graduate students have expanded dramatically in recent years. To learn how to better prepare our students for both academic and non-academic jobs, McGill surveyed recent PhD graduates, one of only a handful of universities to do so. It is important to note that holders of McGill doctorates have been finding employment both in traditional academic venues and, more recently, in high-level positions in government, industry and NGOs. These alumni also gave feedback on which skills acquired at McGill were most useful as they launched their careers – and which they wished they had gained. This knowledge helps us improve our popular SKILLSETS program, which coaches students on everything from teaching to leadership, and will eventually influence how we design our graduate programs.

#### PERCENTAGE OF DOCTORAL STUDENTS

SOURCE: CANADIAN GRADUATE AND PROFESSIONAL STUDENT SURVEY, 2007 AND 2010



BIOLOGY GRAD STUDENTS KIYOKO GOTANDA (right) and VINCENT FUGÈRE (left) don't just share a passion for fishy evolution – they're also two of McGill's 2011 Vanier Scholarship recipients. Based in the Redpath Museum, Gotanda looks at the adaptation of a tiny species – the Trinidadian guppy – to better understand how natural populations could respond to environmental change. Fugère is studying how human-created changes to western Ugandan ecosystems are forcing a certain minnow to evolve – and how that evolution is setting off other ecological changes. Funded by the Government of Canada, the Vanier Scholarships are designed to attract and retain the world's brightest doctoral students.

## Partnering

When graduate students work in business or non-profits during their degree, it's a win-win for both parties. Students see their education put to good use in a non-academic application, and the organizations gain access to cutting-edge research expertise. We consider our partnership with Mitacs, an organization that connects the specialized knowledge of graduate students and postdoctoral fellows with business needs in research and innovation, especially valuable. Mitacs has forged strong connections with the small- and medium-sized companies that drive the Canadian economy in innovation-intensive sectors, but that have not had a tradition of working with universities. Industry placements also allow graduate students to form a professional network locally, increasing the likelihood they will stay in Quebec and Canada after graduation.

### ★ ACCOMPLISHMENTS

#### LAW



➤ CLARIS HARBON (DCL Law) (left) was one of 14 Canadian and foreign students to be honoured with a Trudeau Scholarship, for her work on women's rights.

➤ At 12, the size of the DCL GRADUATING CLASS in the Faculty of Law was more than double the size of that of the previous year, reflecting a focused effort to enhance doctoral studies in the Faculty.

➤ JULIE PAQUIN, LLM'07, DCL'10, won the Prix Henri Capitant 2011 for the best doctoral thesis on a subject of private law in Quebec.

➤ Institute of Air and Space Law students JOSEPH WHEELER (graduate certificate), MITHUN PEMMAIAH and AUGUSTE HOCKING (both masters) led McGill to its first ever win at the Sarin-Leiden International Air Law Moot Court competition in Dubai.

➤ The Government of Canada awarded 25 students Vanier Canada graduate scholarships to pursue their doctoral research at McGill. The prestigious program, part of Canada's science and technology strategy, provides three years of funding to students from Canada and across the world. The number of Vanier Scholars at McGill has consistently grown since the program began in 2009. The newest recipients, who hail from France, Japan and Mexico as well as Canada and the U.S., are:

➤ Health sciences: MATHIEU FLAMAND (biochemistry); ETHAN GOUGH (population health); SYNTHIA GUIMOND (mental health); KRISTINA KASPARIAN (imaging); JIMMY PENG (molecular biology); and MARTHA SHIELL (hearing).

➤ Natural sciences and engineering: VINCENT FUGÈRE and KIYOKO GOTANDA (pictured on page 16) (both evolution and ecology); LANA GREENE (organic chemistry); SEBASTIEN GUILLOT (astronomy and astro-physics); OTTOLEO KUTER-ARNEBECK (mechanical engineering); SVEN MIKAEL PERSSON (robotics); MEER NAZMUS SAKIB (photonics devices and networks); and JULIA SCHNEIDER (organic chemistry).

➤ Social sciences and humanities: BREE AKESSON (social work); MILAINE ALARIE (sociology); RÉGINE DEBROSSE (psychology); SEAN DESJARDINS (anthropology); SARAH GLASER (education); DANIEL LACHAPELLE LEMIRE (history); NARCEDALIA LOZANO GARZA (political science); RADHA MACCULLOCH (social work); LENA PALACIOS (education); CHRISTINE PROULX (sociology); and DAIGO SHIMA (history).

➤ In a thought-provoking study published in *BioScience*, a team led by recent Geography PhD graduate CIARA RAUDSEPP-HEARNE explored the "environmentalist's paradox" – if the world's ecosystems are under siege, why do people seem to be prospering?

➤ Two PhD candidates in musicology won prizes for best student paper at annual meetings of prestigious bodies. REMI CHIU received the Paul A. Pisk Prize of the American Musicological Society, and DANA GORZELANY-MOSTAK received the Mark Tucker Award of the Society for American Music.

➤ ERIC FARR, a masters student in the Faculty of Religious Studies, was awarded one of 30 fellowships with the Tony Blair Faith Foundation.



➤ In the Canadian federal election in May, JAMIE NICHOLLS (left), a doctoral student in Urban Planning, was elected to represent Vaudreuil-Soulanges riding. He joined four McGill undergraduates also elected in May.

➤ CHRISTOPH HELO, a doctoral student in Earth and Planetary Sciences, discovered the first proof of explosive eruptions in deep-sea volcanoes. Using an ion microprobe, Helo found very high concentrations of carbon dioxide in magma recovered from underwater volcanic ash deposits.

➤ Following their residency at the Schulich School of Music, the CECILIA QUARTET won first prize at the 10th Banff International String Quartet competition, competing with nine of the world's finest young string quartets from France, Germany, Russia, Canada and the United States.

## ★ HONORARY DEGREE RECIPIENTS



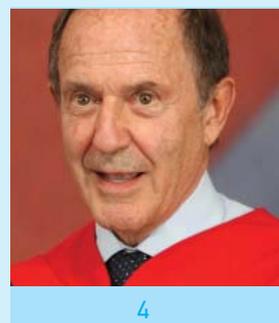
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5

### FALL 2010

- ROBERT RABINOVITCH, BCom'64, past president and CEO of CBC/Radio Canada, chair of McGill's Board, 1999-2009.
- ROSALIND GOODMAN, BA'63 and MORRIS GOODMAN (Medicine), inspiring Montrealers, driving forces behind countless philanthropic endeavours through their Goodman Family Foundation.
- J. JOHN COHEN, BSc'59, MSc'60, PhD'64, MDCM'68, Professor of Immunology and Medicine, Colorado Medical School; creator of the Mini-Med School for the general public, the model for Minis programs at McGill and worldwide.
- ROBERTA L. JAMIESON (Education), first Aboriginal woman to earn a law degree in Canada, first female Ombudsman of Ontario, first woman elected Chief of the Six Nations of Grand River Territory; CEO and president of the National Aboriginal Achievement Foundation. (3)

### FEBRUARY 2011

- RITA LEVI MONTALCINI, Italian neurologist, co-winner of the 1986 Nobel Prize in Medicine for the discovery of Nerve Growth Factor. (1)
- MORTIMER ZUCKERMAN, BA'57, BCL'61 (Desautels Faculty of Management), real-estate developer, media mogul and philanthropist dedicated to causes including higher education, cancer research and improving the condition of the young. (4)

### SPRING 2011

- JULIAN DAVIES (Agricultural and Environmental Sciences), world leader in the field of antibiotics, emeritus professor at UBC and member of a Canadian team developing ways of suppressing resistance mechanisms during treatment of infectious diseases.
- WILLIAM SHATNER, BCom'52 (Arts), stage, television and film actor, accomplished director, best-selling author, dedicated philanthropist and environmentalist (see photo in Year in Review).
- JACK W. SZOSTAK, BSc'72 (Science) co-winner of the 2009 Nobel Prize in Medicine, professor of Genetics at Harvard Medical School; contributor to a wide range of disciplines within molecular biology and genetics. (2)
- Hon. VIVIENNE POY, BA'62 (Arts), historian, successful fashion designer, entrepreneur and corporate leader, author, public speaker, dedicated volunteer; first Canadian of Asian origin appointed to the Canadian Senate.
- MARC TESSIER-LAVIGNE, BSc'80 (Science) world leader in the study of the mechanisms of brain development and repair; recently appointed president of Rockefeller University.
- MARTHA MINOW (Law), Dean of Harvard Law School and Jeremiah Smith Jr. Professor of Law, outstanding scholar, passionate teacher, dedicated mentor, inspiring leader. (5)
- HERMÉNÉGILDE CHIASSON (Continuing Studies), New Brunswick-born poet, painter, playwright, editor, educator, filmmaker and statesman, considered among the most important representatives of modern-day Acadia.
- PHIL NIMMONS (Schulich School of Music), jazz musician, composer, bandleader and jazz educator, passionate and tireless advocate of music.
- NORMAN R. AUGUSTINE (Engineering), retired chairman and CEO of Lockheed Martin Corporation, recognized for promoting understanding of the roles that innovation and fundamental scientific research play in economic prosperity and long-term security.



# 5\*

## research, scholarship + creation

RESEARCH IS ABOUT CREATING NEW KNOWLEDGE. IT'S ABOUT SOLVING PROBLEMS. IT'S ABOUT ERADICATING ILLS AND ENGENDERING PROSPERITY. IT'S ABOUT SAVING LIVES AND IMPROVING QUALITY OF LIFE.

But innovation can't happen in isolation – to be a true innovator, one needs to be connected. 2010-2011 saw McGill forging the partnerships that will prove essential for translating new knowledge into real-world change and economic development.

Nowhere is that spirit of connection more alive than in the burgeoning new Quartier de l'innovation. A joint vision of McGill University and École de technologie supérieure (ÉTS), the Quartier is strategically transforming an underutilized pocket of downtown Montreal into a scientific and technological ecosystem. The complementary strengths of McGill and ÉTS make them an ideal pair for optimizing university-industry synergies. McGill, for example, has earned an international reputation for excellence in a wide range of research. ÉTS has shown an outstanding talent for partnering with Quebec industry – particularly the small- and medium-sized enterprises that drive a large amount of innovation in Quebec and Canada. Together with the City of Montreal, McGill and ÉTS are custom-engineering the Quartier to be a live-work urban hub with international reach. The Quartier will cultivate innovation, train the knowledge makers so coveted by the global community, accelerate university knowledge exchange with the business sector, and as a result increase Quebec productivity and competitiveness. A key element of this partnership will be matching our skilled trainees with internships at the organizations and businesses located in the Quartier.

### The Power of Partnership

Another major collaboration is the High Performance Computing Consortium, known as CLUMEQ, created by McGill, Université Laval and the Université du Québec network, which includes the ÉTS. This spring McGill announced a contract with IBM in Canada to acquire a supercomputer cluster able to support CLUMEQ's activities, making it the most powerful cluster in Quebec and the second-most energy-efficient data centre in Canada. CLUMEQ is now in the process of being integrated into the Calcul Québec network, an initiative that is centralizing high performance computing for the province's researchers. The first phase of this McGill project, funded by the Canada Foundation for Innovation and the Quebec government, aims to support world-class research data-intensive sectors such as high-energy physics, climate research, nanotechnologies, materials research and brain imaging.

Other new partnerships, of varying scope, abound. Some, such as the new Benedek Integrated Laboratories in Environmental Engineering, funded by McGill graduates Diana Mourato-Benedek and Andrew Benedek, are creating new integrated research teams within the campus community. Building on identified areas of strength and priority, these teams recognize few disciplinary bounds.

The Institute for the Public Life of Arts and Ideas (see photo, page 20) draws together scholars from five faculties. This past June, IPLAI hosted the International Conference on Arts, Ideas, and the Baroque as part of the 9th Edition of the Montreal Baroque Festival.

### Worldwide Collaboration

And then there are the international collaborations. Agreements developed over the last couple of years with such prestigious organizations as the University of Oxford, Israel's Weizman Institute of Science and RIKEN in Japan have flourished. McGill and the University of Hong Kong are joining together in the emerging field of biomedical science research, a relationship which will include seed funding for joint projects. Another new international partnership, this one with the University of Zurich and the Swiss Federal Institute of Technology, will pursue neuroscience research in a number of areas, including pain therapy, Alzheimer's disease, neuroimmunology and brain diseases. The three institutions will swap scientists, develop research projects, establish fellowships for graduate student exchanges, and provide seed money for pilot studies.

Anne Andermann, a Family Medicine professor who works at St. Mary's Hospital Center, is one of the two principal investigators in the international Child Labour Evidence to Action Research Group (CLEAR). CLEAR aims to help those in the primary health care system who work with child labourers and their families – and to galvanize policy change. In June 2011, the project was awarded a \$100,000 grant under the Canadian Rising Stars in Global Health initiative and held its first meeting, bringing together at McGill the lead researchers from Bangladesh, Brazil, Niger and Pakistan, along with government representatives and observers from the World Health Organization and the International Labour Organization.



HOW DO NEW IDEAS COME INTO EXISTENCE? How does art change the world? Those kinds of big questions require big collaboration. The Institute for the Public Life of Arts and Ideas draws together scholars from numerous disciplines, including IPLAI director DESMOND MANDERSON (Law) (left), associate director LEIGH YETTER (Arts) (right) and resident faculty fellow SARA LAIMON (Schulich School of Music) (centre).

## ★ HIGHLIGHTS

Across our campuses, and across disciplines, 2010-2011 saw McGill researchers make significant discoveries, earn major funding and awards, and bring the life-improving fruits of their labour to society via public policy, services and the marketplace. Some examples:

### ENVIRONMENT

- MIHAIELA ISAC, ZAID GHOULEH and RODERICK I.L. GUTHRIE (McGill Metals Processing Centre) produced a microstructure that may convert highly toxic incinerator waste into a stable, safe glass-ceramic material.
- By filtering contaminated water through paper coated with silver nanoparticles, Chemistry professor DEREK GRAY, graduate student THERESA DANKOVICH and their team were able to produce perfectly potable water. The discovery may lead to the development of a cheap, compact filtration system that would be invaluable to disaster relief efforts.
- M.K. (PETER) YAU (Atmospheric and Oceanic Sciences) developed computational techniques to better understand cloud processes – and to significantly improve the short-term precipitation forecasts so crucial to hydroelectric reservoir management, flood prediction and ensuring adequate drinking and irrigation supplies.



- BRUNO TREMBLAY (Atmospheric and Oceanic Sciences) (above) reported to the American Geophysical Union on his team's observations that, although Arctic sea ice coverage is dwindling, summer ice on the most northern coastlines is expected to last for several decades longer than in the rest of the Arctic. Tremblay and his group of international colleagues raised the possibility of a naturally formed refuge for polar bears and other endangered species.

- GRACE EGELAND (Dietetics and Human Nutrition) and colleagues from McGill and the University of Toronto discovered that contrary to long-held belief, Inuit people in northern Canada have diabetes at rates similar to the rest of the Canadian population.

- Goodman Cancer Research Centre and Research Institute of the McGill University Health Centre (RI-MUHC) researchers ALAIN NEPVEU, LAURENT SANSREGRET, CHARLES VADNAIS, JULIE LIVINGSTONE, ARIF AWAN, CHANTAL CADIEUX, LAM LEDUY and MICHAEL T. HALLETT, working with colleagues from the Dana Farber Cancer Institute and Harvard Medical School, discovered a highly accurate genetic test for predicting whether breast cancer patients will suffer a relapse.

- In just three months, three works by composer DENYS BOULIANE (Schulich School of Music) were given major world premieres. *Tekeni-Ahsen* for quintet and real-time electronics was performed in February 2011 as part of the live@CIRMMT concert series at McGill. Bouliane's *Vols et vertiges du Gamache* for orchestra with solo cello was premiered by the Montreal Symphony Orchestra in March, and in April the Orchestre Métropolitaine launched his *Kahseta's Tekeni-Ahsen*.

- An interdisciplinary team of researchers from McGill and the RI-MUHC launched the BCG World Atlas, the first searchable database of current and past tuberculosis vaccination policies from more than 180 countries. The researchers, including MADHUKAR PAI, professor of Epidemiology, Biostatistics and Occupational Health and a researcher at the Montreal Chest Institute and the RI-MUHC, and ALICE ZWERLING, a PhD candidate in epidemiology, hope the atlas will help improve the diagnosis and treatment of TB.

- It was a big year for very small things, with several McGill teams making significant discoveries in the area of the quantum dot, a very tiny three-dimensional semiconductor. PETER GRÜTTER (Physics) announced the development of a cantilever force sensor that enables individual electrons to be removed, and then added to quantum dots, while PATANJALI KAMBHAMPATI (Chemistry) published findings about controlling the generation of an electric charge in the dots – a physics first.

- People who live or were raised in cities show differences in activity in certain brain regions compared to their rural counterparts, according to research by JENS PRUESSNER and colleagues at the Douglas Mental Health University Institute, along with collaborators at the University of Heidelberg. They say the toll of city life on mental health could become a major public policy issue.

- With support from the Canada Foundation for Innovation and matching funds from Quebec, STEPHEN MCADAMS (Schulich School of Music) has conceived the CIRMMT Audience Systems at the Centre for Interdisciplinary Research in Music Media and Technology, where it was developed by engineers BENNETT SMITH and JULIEN BOISSINOT. This new wireless system, using devices from Apple and Thought Technology, allows researchers to record a number of different behavioural and psychophysiological measures to analyze over 100 audience members' reactions to music in real time in a concert setting.



- PETER RADZISZEWSKI (Mechanical Engineering) (above) and his team of colleagues and students were subcontracted by the Canadian Space Agency and the Ottawa-based Neptec Design Group to design a wheel for travel on the moon. No stranger to the field of extreme environments, Radziszewski counts McGill's electric snowmobile among his other passions.
- MARYAM TABRIZIAN (Biomedical Engineering, Dentistry) and her colleagues took an important step toward developing a universal blood product that would eliminate the need to match blood types. The team developed a polymer shell that makes individual red blood cells invisible to – and therefore accepted by – a recipient's immune system.
- Chronic pain has long been suspected to cause abnormal changes in the brain. A study led by LAURA S. STONE (Alan Edwards Centre for Research on Pain) strongly suggests that alleviating the pain will actually reverse these changes and restore lost cognitive abilities.
- SHAHEEN SHARIFF (Integrated Studies in Education) and her team of graduate students from Law and Education launched a website, [definetheline.ca](http://definetheline.ca), to help define and discourage cyber-bullying, while encouraging socially responsible digital citizenship. The site is designed as a resource for youth, parents and educators, providing advice from leading experts in a user-friendly format.
- Guided by a 3D video image, MUHC urologist ARMEN APRIKIAN, a professor of Surgery, helped perform the world's first completely robotic surgery and anesthesia. The historic prostatectomy, conducted at the Montreal General Hospital, used the "McSleepy" automated anesthesia robot developed by THOMAS HEMMERLING, a neuroscience researcher in the Department of Anesthesia and the RI-MUHC.
- PhD student VALORIE SALIMPOOR, professor ROBERT ZATORRE and other Montreal Neurological Institute researchers used fMRI brain scans to show that listening to music stimulates the same pleasure centres of our brain as sex and food. The discovery may be proof that music stimulates the release of dopamine.
- A study, based on the doctoral thesis of recent McGill geography grad DAN CROUSE, linked post-menopausal breast cancer with exposure to nitrogen dioxide, a marker for traffic-related air pollution. Crouse collaborated with professors MARK GOLDBERG (Medicine) and NANCY ROSS (Geography), doctoral student HONG CHEN and researchers at the Université de Montréal.
- Researchers from the Montreal Neurological Institute, led by AMIT BAR-OR, are part of a multi-institutional team that found that multiple sclerosis is being increasingly diagnosed in children. Their study identified a particular gene involved in the immune response that puts certain children at higher risk of developing MS.
- A study by ERAN SHOR (Sociology) found a strong correlation between unemployment and mortality with most significant effects felt by men who become unemployed in their early or mid-careers. Shor, working in collaboration with researchers from Stony Brook University, found that unemployment increases the risk of premature mortality by 63 per cent.
- A team led by VASSILIOS PAPADOPOULOS (director, McGill University Health Centre Research Institute) published research about a unique biochemical diagnosis for people with Alzheimer's disease, pointing to the possibility of a non-invasive blood test for the disorder on the market in the near future. At the Jewish General Hospital's Lady Davis Institute, HOWARD CHERTKOW and colleagues are also studying ways to detect the disease earlier – they're optimistic that positron emission technology (PET) scans will be an important tool.
- ANDREAS WARBURTON (Physics) published the world's first findings stemming from the ATLAS experiments conducted at the Large Hadron Collider in Switzerland. Warburton and his international colleagues are using the data in their hunt for elusive theoretical particles.
- When it comes to the search for a cure, not all diseases receive equal attention – something several McGill researchers are trying to correct. DANUTA RADZIOCH (Medicine) is exploring new cures for cystic fibrosis-induced chronic pulmonary infections; the work is funded by a U.S. FDA "Orphan Drug Designation" grant, which is reserved for researching medical conditions affecting fewer than 200,000 people in the U.S.
- A study led by LAURETTE DUBÉ (Desautels Faculty of Management) suggests that people who are in a good mood at home tend to prepare healthier meals – and feel more emotionally rewarded after eating them. That cycle of positive reinforcement was more pronounced at home than elsewhere.



# 6\*

## health matters

HEALTHIER SOCIETIES: TWO WORDS THAT NICELY SUM UP ONE OF MCGILL'S ULTIMATE GOALS. IT'S ALSO THE NAME OF A NEW FIVE-YEAR PROGRAM BASED AT MCGILL'S INSTITUTE FOR HEALTH AND SOCIAL POLICY.

**K**ick-started with a major gift from Chancellor Arnold Steinberg, Healthier Societies will rigorously examine health care delivery around the globe, with the objective of developing systems that are more effective and financially sustainable. Healthier Societies is just one of several major undertakings aimed at improving the well-being of current and future generations.

### Prioritizing Quebec Health Needs

**M**cGill continues to make strong headway in promoting family medicine as an attractive specialty for medical graduates. In the fall of 2010, it hosted the second annual Family Medicine Student Symposium, a student-led event welcoming several hundred Quebec and University of Ottawa medical students. In less than a decade, the Faculty has more than doubled the number of McGill students entering family medicine to complete their residencies.

The University also expanded its offerings in specialty care, research and education through the Réseau universitaire intégré de santé (RUIS) McGill. Building on the success of the McGill residency program in the Family Medicine Unit (FMU) in Gatineau, which has yielded minimum retention rates of 80 per cent, the Faculty of Medicine launched a clerkship in the same region, integrating third-year medical students into its clinical environment there (pictured at right). McGill's work with the FMUs in Val d'Or and Chateauguay continues to help bring residents to those regions as well.

Regional partnerships are a priority. To respond to the need for physiotherapists in the Saguenay Lac Saint-Jean region, McGill signed an agreement to enable the Université du Québec à Chicoutimi to offer Bachelor of Rehabilitation Science and Master of Science in Physical Therapy programs from McGill's School of Physical and Occupational Therapy. In outlying regions, the options offered by telehealth – that is, clinical and training services given through video communications and data transmission – have also grown. In the past year, developments have included the installation of 75 video conference stations and increased support for nurses working in remote areas, including a clinical activity program with oncology nurses in Abitibi-Témiscamingue



and Chibougamau. New agreements between RUIS McGill and Nunavik on a number of services, including cytology, rehabilitation and telehealth, will support the province's Plan Nord, an ambitious strategy to develop the northernmost regions of Quebec.

### The McGill Academic Health Network

**M**cGill and its affiliated teaching hospitals have a long-standing tradition of collaboration in education, research and patient care in Quebec. This relationship was formalized this academic year with the creation of the McGill Academic Health Network (MAHN), a consortium of partner institutions to serve as a leader in local, national and international health care. MAHN's mission is to achieve the highest collective, measurable outcomes in patient care, research, education and health policy. The partners include the Douglas Mental Health University Institute, the Jewish General Hospital, McGill University, the McGill University Health Centre and St. Mary's Hospital Center.



**ALMOST 500,000 CANADIANS** suffer from Alzheimer's disease today, and it is expected that number will double in the next 30 years. **JUDES POIRIER** (right), the former director of the McGill Centre for Studies in Aging, has made his name on the international research stage with his work on the role of Apolipoprotein E in the genetics of the devastating disease. In 2010, Poirier was instrumental in recruiting renowned epidemiologist and psychiatrist **JOHN BREITNER** (left) to join the team at the Douglas Mental Health University Institute. Breitner is now the inaugural Pfizer Professor in the Prevention of Dementia at McGill and heads the Centre for Studies on Prevention of Alzheimer's Disease, which is looking at novel interventions for preventing or delaying the symptoms of Alzheimer's dementia.

## Toward Personalized Medicine

Genetic breakthroughs hold the promise of prediction, custom-tailored therapies and health care that is increasingly preventative. In 2010, the Government of Quebec invested \$12 million in the McGill University and Génome Québec Innovation Centre – an investment that helped attract Mark Lathrop, one of the world’s top genomic researchers, to Quebec. The Centre – a dynamic hub of world-renowned scientists – is positioned to lead the way in advancing one of the most promising research frontiers of the century.

## The Next Generation of Professionals

McGill continues to innovate in realizing its central mission of training the health care providers needed in our communities, locally and around the world. This year saw the culmination of an exceptional Faculty of Medicine strategic planning initiative, one outcome of which is a modernized undergraduate curriculum to begin in the fall of 2012. “In the wake of the remarkable transformations in public health, genomic science and other major advances of the last 100 years, it was time for us to rethink at the most fundamental level how best to train the next generation,” says Richard I. Levin, who completed his term as Vice Principal (Health Affairs) and Dean of the Faculty in August of 2011. “The planned changes will ensure the students graduating from Canada’s very first medical school remain on the cutting edge.”

In an effort to not only train more doctors, but also expand the diversity of its professional corps, the Faculty of Medicine is reaching out to cultivate talented applicants from Aboriginal, low-income and other under-represented communities. The Faculty recently changed admissions parameters to broaden its pool of applicants, a decision that yielded a 50 per cent increase in the number of applicants, compared to the preceding year. Additionally, with funding from the Quebec government, immigrant medical graduates are receiving special clinical immersion training at the McGill-affiliated St. Mary’s Hospital Center, to help facilitate their transition into the Quebec health care system.

The Faculty is also actively courting potential applicants at a young age. The student-led Experience Careers in Health and Regional Initiative programs, for example, welcomed more than 200 high school students to McGill to learn hands-on about medicine and medical careers. Discovery Day in the Health Sciences, hosted by the Canadian Medical Hall of Fame, the Montreal Neurological Institute and Hospital, the McGill University Health Centre and the Faculty of Medicine, drew another 200 students from 26 high schools and Cégeps in Montreal to learn about the spectrum of careers in the health sciences. Still another initiative, called Towards Health, provides after-school programming at five Montreal-area high schools, including homework supervision and help, exam preparation and presentations on medical education and careers.

## ★ HIGHLIGHTS

- Generous gifts from McGill graduate Lawrence Bloomberg, MBA’65, and Manulife Financial launched a McGill initiative aimed at fostering healthier living. Housed in the Faculty of Education, the \$50,000 Bloomberg Manulife Prize for the Promotion of Active Health will recognize research achievements in the area of active health. The donors have also established a fellowship fund to support PhD students entering the Department of Kinesiology and Physical Education and studying in an area related to physical activity, health and lifestyle.
- McGill medical researchers and colleagues from GlaxoSmithKline are partnering to develop treatments to correct the genetic dysfunction that causes cystic fibrosis. The work is co-sponsored by the Canadian Institutes of Health Research.
- The Centre for Medical Education launched the Richard and Sylvia Cruess Chair in Medical Education, thanks to generous donors Deirdre Stevenson and Robert Stevenson, BA’49, BD’61, McGill parent Herbert Black and the Molson Foundation. The chair is named in honour of internationally recognized McGill physicians and educators Richard and Sylvia Cruess.
- Carmen Loisel, director of the McGill University Oncology Nursing Program, became the inaugural Christine and Herschel Victor/Hope & Cope Chair in Psychosocial Oncology. The chair will allow her to extend her work on treatment protocols that consider the entire continuum of cancer care.
- In the Faculty of Dentistry, students concerned about the high rate of cavities among young Quebec children launched Bright Smiles, a campaign to teach parents how to best care for their kids’ teeth.



**1.7 million\*:**

Number of Quebecers served by RUIS-McGill

**63%:**

Portion of Quebec’s land mass served by RUIS-McGill

**21:** Number of McGill students entering family medicine residencies in 2002

**51:** Number of McGill students entering family medicine residencies in 2011

**32:** Total number of medicine graduates entering family medicine residencies at McGill in 2002

**77:** Total number of medicine graduates entering family medicine residencies at McGill in 2011

\* RUIS-McGill is one of four Réseaux universitaires intégrés de santé that coordinate specialty health care, research and education for Quebec.

# 7\*

## sustainable pathways

OUR VISION FOR MCGILL, AND THE PLANET, IS BUILT AROUND A DEEP COMMITMENT TO SUSTAINABLE LIVING. THE NEXT GENERATIONS DESERVE A FUTURE THAT IS NOT LIMITED BY THE PAST – AND THAT KIND OF SERIOUS CHANGE CANNOT HAPPEN WITHOUT LEADERSHIP THAT TRANSFORMS PASSION INTO ACTION.

At McGill, we realize that sustainability is an ongoing journey, not a destination. That's why our energies are focused on creating the most fertile environment possible to let sustainability blossom and grow. We're encouraging every member of the McGill community to weave sustainable thinking and action into how we work, study, research ... and live.

To be Canada's most sustainable university requires leadership at all levels. And most importantly, it requires people with different backgrounds, ideas and skills to connect and form real partnerships. In fact, our leading asset may be the willingness of McGill students, administrative and support staff and faculty to work side-by-side on innovative projects that are making us a more sustainable institution.

### Fostering Sustainability

In 2010, to encourage this distributed leadership and collaboration, McGill created the Sustainability Projects Fund, the largest of its kind in North America. Students voted overwhelmingly to support the SPF from their own pockets, and their contribution is matched by the administration, for a total of more than \$800,000 per year. In one year, the SPF has funded almost 40 projects, and is helping build a culture of sustainability, person by person, idea by idea. Anyone from the McGill community can submit a project. The SPF

doesn't just give great ideas the financial means to succeed; it also connects people and projects with complementary goals to ensure long-term impact, both at McGill and in the greater community. You might say the SPF ensures that even our sustainability projects are sustainable.

### Living, Breathing + Eating Sustainably

The student-led McGill Food Systems Project (MFSP) shows the power of this collaborative approach. Students, staff in Food and Dining Services and faculty involved in smaller projects, each traditionally focused on just one aspect of the food cycle, have joined together. The result: McGill now grows and serves its own food, composts waste from dining halls, and sources sustainable, local ingredients.

Macdonald Campus is leveraging its existing gardens, orchard and sugar shack to provide a truly local food source, and the management of the Mac garden has been integrated into student research and course work. Events such as "Local Food Days" and "Meatless Mondays" educate diners on the benefits of local food and consuming less meat, and all seafood served at McGill is sustainable. The MFSP's efforts could also lead to significant savings on food costs in the future while benefiting the local economy.

### SUSTAINABILITY PROJECTS FUND – AFTER ONE YEAR



**20,000** LITRE WATER COLLECTION TANK INSTALLED  
**12** COURSES STUDYING APPLIED WATER CONSERVATION



**1** FULL-TIME SUSTAINABLE PURCHASING AGENT  
**200+** PRODUCTS RATED FOR SUSTAINABILITY



**482** VOLUNTEERS  
**48** PAID POSITIONS



**50** BUILDINGS NOW BEING MONITORED FOR ENERGY USAGE  
**1** ENERGY DASHBOARD



**11,400** KG OF FOOD GROWN  
**40,000** DOLLARS DIVERTED TO SUSTAINABLE FOOD PURCHASES



**12,000** KG COMPOSTED



**20** RESEARCH OPPORTUNITIES CREATED  
**60** APPLIED STUDENT LEARNING OPPORTUNITIES CREATED



**1** FULL-BUILDING AUDIT



**2** ELECTRIC VEHICLES PURCHASED  
**5,500** PEOPLE SURVEYED ABOUT TRANSPORTATION



## ★ HIGHLIGHTS

- McGill was celebrated for its campus greening efforts by the City of Montreal at the annual Gala de reconnaissance en environnement et développement durable. The 2009-10 project transformed the lower downtown campus into a welcoming, pedestrian-friendly green space by eliminating parking and nearly all vehicular traffic.
- A new campus-wide Energy Dashboard is allowing students and facilities staff to track the success of their conservation efforts. The online system launched in April 2011 monitors electricity, water and steam usage in over 30 buildings. The accessibility of this information allows for the annual Fight the Power competition between McGill residences, where they try to one-up each other in an attempt to lower their energy consumption.
- Residences have eliminated bottled water from students' boxed lunch offerings since January 2009, and McGill Food & Dining Services promotes reusable aluminum water bottles, which are sold at cost. In May 2011, thanks to Class Action 2011, we installed a mobile outdoor water bottle refill station. This fall, we will install six indoor high-volume water bottle refilling stations around campus to give community members an environmentally friendly alternative to bottled water.
- The new uPrint service is greening campus printing. A fully networked fleet of multi-function machines for printing, copying and scanning will save paper through default double-sided printing and will reduce the number of devices on campus to save energy and money.
- The annual McGill Sustainability Symposium, a student-led event, was launched to encourage discussion of current research in the field of sustainability at McGill. It brings undergraduate students, graduate students and faculty together to share research and opinions, and learn how to collaborate in a cross-disciplinary environment around the theme of sustainability.



THE INAUGURAL CATALYST AWARDS were handed out to members of the McGill community who have made significant contributions to sustainability efforts: SARAH ARCHIBALD (Agricultural and Environmental Sciences undergraduate), EMMANUELLE LAPOINTE (Architect, Design Services, Facilities Operations and Development), DAVID MORRIS (Chemical Engineering undergraduate), OLIVER DEVOLPI (McGill's Executive Chef), DANA LAHEY (Sociology and Anthropology undergraduate) and JONATHAN GLENCROSS (School of Environment undergraduate), who was selected as the inaugural winner of the Emerald Key Award.



THE MACDONALD STUDENT ECOLOGICAL GARDENS are among the many initiatives supported by the Sustainability Projects Fund. Created using Macdonald Campus land, as well as plots donated by neighbouring Les Jardins Carya and Ferme Zephyr, the 1.25-acre farm is entirely run by McGill students. RUSSELL VINEGAR (Environment), PAULINE RICHARD (Ecological Agriculture), SOPHIE PRICE (Wildlife Biology) and their fellow farmers get their hands dirty in every aspect of food production, from planting to harvest to selling their produce at the Marché Ste-Anne farmer's market.





# faculty + staff honours

WHEN IT COMES TO RECOGNITION OF THEIR ACHIEVEMENTS, MCGILL FACULTY AND STAFF ACROSS CAMPUSES ENJOYED, AS THEY SAY, A VERY GOOD YEAR.

## ORDERS AND ACADEMIES

The Royal Society of Canada acknowledged the major contributions of 13 McGill scholars by naming them Fellows. It was the largest number for any Canadian university. The following joined about 120 other McGillians as members of the RSC's esteemed academies:

- COLIN CHAPMAN, Anthropology
- RUSSELL DAVIDSON, Economics
- DIANE DESROSIERS-BONIN, French Language and Literature
- SIEGFRIED HEKIMI, Biology
- BARBARA JONES, Medicine (pictured, page 30)
- THO LE-NGOC, Electrical and Computer Engineering
- MICHEL LOREAU, Biology
- ALAIN PINSONNEAULT, Management
- CHRISTINE ROSS, Art History
- RIMA ROZEN, Medicine (pictured, page 30)
- MARK SUTTON, Physics
- LYDIA WHITE, Linguistics
- ROBIN YATES, East Asian Studies

New inductees into the Order of Canada included several members of the Faculty of Medicine: SYLVIA CRUESS for her pioneering contributions to medical education; GILLES JULIEN for his innovative contribution as a driving force in social pediatrics; and emeritus professor MAURICE MCGREGOR for having pioneered and championed the field of health technology assessment in Canada and for his leadership in medical education and cardiology.



MAYA SALEH (left), assistant professor of microbiology and immunology, was awarded the inaugural Maude Abbott Prize of the Faculty of Medicine. The prize acknowledges outstanding female faculty members in the early stages of their careers and is named in honour of the pioneering congenital heart disease researcher (upper right in the background photo). McGill women have made many outstanding contributions in medicine since Maude Abbott's time - including two of McGill's 13 new Fellows of the Royal Society of Canada: neurology and neuroscience professor BARBARA JONES (centre) and Associate Vice-Principal (Research and International Relations) RIMA ROZEN (right), James McGill Professor of Human Genetics and Pediatrics.

- ALBERT AGUAYO, professor emeritus of the Faculty of Medicine (Neurology and Neurosurgery) and pioneer in neural regeneration, was inducted into the Canadian Medical Hall of Fame, joining 82 distinguished laureates. The late JONATHAN MEAKINS, founding chair of McGill's Department of Medicine, was also inducted. Aguayo and RAQUEL DEL CARPIO of the Montreal General Hospital's department of Diagnostic Radiology were named to the list of the 10 Most Influential Hispanic Canadians for 2010.
- The Ordre du Québec bestowed its highest honour, the rank of Grand Officer, on MARGARET BECKLAKE, professor emerita of the Departments of Epidemiology and Biostatistics and of Medicine, in recognition of her exceptional contributions to biomedical science.

## A selection of other honours from 2010-11:

- The Principal's Awards for Administrative and Support Staff were presented at the fall Convocation to: PIETRO GUARNIERI, University Services (Trades and Services); FRANK SCOPELLETTI, Department of Biology (Technical and Library Assistants); MANON BERTHIAUME, Research Centre of Private and Comparative Law (Clerical); GREGG BLACHFORD, McGill Career Planning Service (Management); and ICS Service Desk, IT Customer Services (Team Projects).
- The Principal's Prize for Excellence in Teaching was awarded to: DAVID M. LANK, Faculty Lecturer, Desautels Faculty of Management; ROBERT LECKEY, Assistant Professor, Faculty of Law; ROSALIE JUKIER, Associate Professor, Faculty of Law; and MICHAEL PETRIDES, Full Professor, Faculty of Science and Faculty of Medicine.

## WRITING

- HENRY MINTZBERG, Professor of Management Studies at McGill's Desautels Faculty of Management, won the Chartered Management Institute's Management Book of the Year award from Britain's Chartered Management Institute for his book *Managing*.
- STEVE MAGUIRE'S *Academy of Management Journal* article entitled "Institutional entrepreneurship in emerging fields: HIV/AIDS treatment advocacy in Canada" won the Desautels professor the 2010 Greif Research Impact Award from the Center for Entrepreneurial Studies at the University of Southern California's Marshall School of Business.
- ROBERT LECKEY, Faculty of Law, won the 2010 Canada Prize of the International Academy of Comparative Law for his book *Contextual Subjects: Family, State and Relational Theory*.



- Two McGill faculty members were awarded the Prix du Québec, the highest honour conferred by the Quebec government. NANCY ADLER (above left) of the Desautels Faculty of Management received the Prix Léon Gérin, in recognition of her contribution to the field of social sciences in the province. MARK WAINBERG (above right), director of the McGill AIDS Centre, received the Prix Wilder Penfield for his contributions to biomedical sciences.
- The MCGILL METALS PROCESSING CENTRE, under the directorship of RODERICK GUTHRIE (Mining and Materials Engineering) was recognized by the Natural Sciences and Engineering Research Council with the 2010 Leo Derikx Synergy Award. The award recognized the Centre's lasting contribution to Canadian industrial innovation through collaboration with the metal industry.
- Professor emeritus FRANÇOIS RICARD (French Language and Literature) was chosen by Milan Kundera to curate the prestigious "Pléiade" edition of Kundera's collected works.
- The MCGILL MIDDLE EAST PROGRAM IN CIVIL SOCIETY AND PEACE BUILDING, created by director JIM TORCZYNER (Social Work), was awarded one of five 2010 Peace Medals by the YMCAs of Quebec.

- BRENDA MILNER, renowned pioneer in the field of cognitive neuroscience and Dorothy J. Killam Professor at McGill University's Montreal Neurological Institute, was awarded the 2011 Pearl Meister Greengard Prize from Rockefeller University. Dr. Milner was also named one of 25 Transformational Canadians by *The Globe and Mail* and *La Presse*.
- DESMOND MORTON, Hiram Mills Emeritus Professor of History, was the winner of the 2010 Pierre Berton Award, recognizing Morton's tireless advocacy of accessible Canadian history.
- GREG DUDEK, director of the School of Computer Science, won the Prix Acfas - J.-Armand-Bombardier, awarded for work leading to a technological innovation. Dudek, who specializes in robotics, is known for developing the amphibian robot known as Aqua.
- Mechanical Engineering professor WAGDI (FRED) HABASHI received the 2011 McCurdy Award of the Canadian Aeronautics and Space Institute, acknowledging his outstanding achievement in the creative aspects of engineering relating to aeronautics and space research.
- RODERICK MACDONALD, F.R. Scott Professor of Constitutional and Public Law at McGill, received the Canadian Bar Association's 2010 Ramon John Hnatyshyn Award for Law in recognition of his contributions to law. In October, he received an honorary Doctor of Laws degree from the Université de Montreal.
- Neurologists ANDREA BERNASCONI and EDWARD FON were named Chercheurs nationaux by the Fonds de la recherche en santé du Québec, the most prestigious career award for scientists in Quebec.
- VICTORIA KASPI, Lorne Trottier Chair in Astrophysics and Cosmology and Canada Research Chair in Observational Astrophysics, won the John C. Polanyi Award given by the Natural Sciences and Engineering Research Council of Canada.
- MORTY YALOVSKY, Associate Dean at the Desautels Faculty of Management, received the Distinguished Leadership Award of the Combined Jewish Appeal for his leadership and contributions to the enhancement, enrichment and continuity of Jewish life, locally and nationally.
- BRETT HOOTON, newly appointed assistant director, communications, in Research and International Relations, won a 2011 Rising Star Award from the Canadian Council for the Advancement of Education (CCAE). He previously served as electronic communications officer in Development and Alumni Relations (DAR). And McGill communications and development staff from DAR, Public Affairs, the Faculty of Medicine and the Schulich School of Music won 10 2011 Prix d'Excellence medals from the CCAE.

## FELLOWSHIPS

- LORENZ LÜTHI, professor of History and Classical Studies, and GRACE FONG, professor of East Asian Studies, were recipients of the prestigious international fellowships awarded by the John Simon Guggenheim Memorial Foundation.
- BRIAN CHEN, Canada Research Chair in Neural Circuit Formation, was awarded a Sloan Research Fellowship for his work in deciphering the assembly instructions for the brain. He joins an illustrious group of researchers – 38 Sloan Fellows have gone on to win Nobel Prizes.



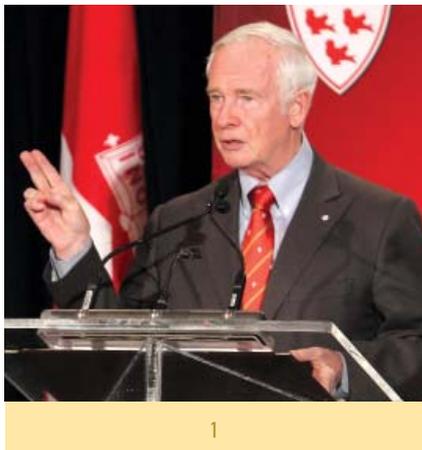
- ADELLE BLACKETT (left) of the Faculty of Law was awarded the 2010-11 Bora Laskin National Fellowship in Human Rights Research.
- WILLIAM CAPLIN, James McGill Professor in Music Theory, was awarded a Canada Council for the Arts Killam Research Fellowship to continue his work on classical form.

- CHRISTIAN BOUCHARD, manager of McGill's Waste Management Program, and his teammates represented Quebec at Canada's national men's curling championships.
- DENIS LEDUC, professor in the Department of Pediatrics at the McGill University Health Centre, was honoured with the 2011 Distinguished Community Pediatrician Award by the Canadian Pediatric Society for "his strong commitment to child and youth health and safety in his community."
- BILL RYAN of the School of Social Work was named one of the Top Ten Researchers in Gender and Health by the Canadian Institutes of Health Research.
- The Margolese National Heart Disorders Prize was awarded to JACQUES GENEST, director of the Centre for Innovative Medicine at the Research Institute of the MUHC.
- Holder of the Dean's Chair in Music, GEORGE MASSENBURG, was awarded a Grammy for best Bluegrass Album (*Mountain Soul II – Patty Loveless*).
- YVONNE STEINERT, Associate Dean of Medicine (Faculty Development), was recognized by the Canadian Association for Medical Education with the 2011 Ian Hart Award for Distinguished Contribution to Medical Education.

- A Teaching and Learning Services team led by LAURA WINER won the National Third Prize in the Quality and Productivity Awards competition of the Canadian Association of University Business Officers. Their project was entitled "University-wide Online Course Evaluation".
- Faculty of Arts academic advisor KANELLA (NELLIE) VOUDOURIS was awarded the National Academic Advising Association's Outstanding Advising Certificate of Merit for Academic Advising (Primary Role category).
- RÉMI QUIRION, Vice-Dean of the Faculty of Medicine, was named Quebec's first chief scientist and chairman of the boards of Quebec's research funding councils.
- KIRSTEN JOHNSON (below) of the Department of Family Medicine, founder-director of the McGill Humanitarian Studies Initiative, was named one of the year's Top 40 Canadians under 40 by Caldwell Partners International for her outstanding achievements in preparing humanitarian aid workers for disaster relief operations. She also won the Segal Centre's 2010 Janusz Korczak Award for her work on protecting the rights of children in conflict and the 2010 Award of Excellence of the College of Family Physicians of Canada for her work in global health.



# 2010\*2011 | YEAR IN REVIEW ★



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## JULY 2010

FORMER MCGILL PRINCIPAL and Vice-Chancellor David Johnston is named Canada's 28th Governor-General. Professor Johnston, a legal scholar and recent President of the University of Waterloo, led McGill for 15 years from 1979 to 1994. (1)

## AUGUST 2010

A GLOBAL LEADER in pain research and treatment, McGill is front and centre at the 13th World Congress on Pain, where more than 6,000 leading international experts gather. The University is represented by researchers from the Alan Edwards Centre for Research on Pain, including Jeffrey Mogil of the Department of Psychology, who serves as Faculty Chair at the Congress.

MONTREAL ALSO HOSTS the 2010 Annual Meeting of the Academy of Management, attended by 10,000 delegates, where Desautels Faculty of Management professor Nancy Adler is among McGill scholars to lead presentations.

## SEPTEMBER 2010

THE MONTREAL NEUROLOGICAL INSTITUTE offers a unique perspective on the human brain at its new virtual reality training centre, the first of seven to be set up across Canada. The Hon. Gary Goodyear, Minister of State for Science and Technology, attends the opening.

WORLD LEADERS IN AVIATION and government convene at the international conference on "Air Transport: What Route to Sustainability?" co-hosted by McGill's Institute of Air and Space Law and the International Civil Aviation Organization. Participants gather to address important public policies surrounding the economic, operational and environmental sustainability of the industry.

## OCTOBER 2010

A STELLAR LINE-UP of musical talent lights up the stage at the Laudatoria Gala Concert for the Schulich School of Music. The brainchild of outgoing Dean of Music Don McLean, the event raises funds to complete Schulich's Multimedia Room. (2)

NOBEL PEACE PRIZE LAUREATE Muhammad Yunus delivers an inspirational message to his audience at the Beatty Memorial Lecture during Homecoming 2010. Founder of the Grameen Bank, Yunus pioneered micro-credit banking by providing small business loans to some of the world's most disenfranchised. Yunus is in Montreal as a guest of the McGill World Platform on Health and Economic Convergence.

MCGILL HOSTS the third annual Conference on Global Food Security to address the water and nutritional challenges facing the world's food supply. The event marks the official launch of McGill's Institute for Global Food Security, which will work to help end food insecurity worldwide.

THE CENTRE FOR HUMAN RIGHTS AND LEGAL PLURALISM hosts its second Echenberg Family Conference: "The Global Conference on Human Rights and Diverse Societies." The event is a forum for discussion of how policies on multiculturalism can diminish cultural conflict and foster increased participation of all members of society.

## NOVEMBER 2010

FORMER CANADIAN PRIME MINISTER Paul Martin visits McGill to discuss the Martin Aboriginal Education Initiative, which aims to improve education for Aboriginal Canadians at the elementary and secondary levels and to increase the number of Aboriginal students attending post-secondary institutions. (3)

BRITISH HISTORIAN DIARMAID MACCULLOCH, author of *A History of Christianity: The First Three Thousand Years*, wins McGill's U.S.\$75,000 Cundill Prize in History, the world's largest historical literature award for non-fiction. (The prize's benefactor, F. Peter Cundill, a renowned investment manager with a passion for history, died in January 2011 at the age of 72.)



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FIFTY YEARS AFTER Quebec Premier Jean Lesage's landmark speech that transformed the role of the state in Quebec, McGill hosts "Voices from the Quiet Revolution, The Group of Six." The conference, organized by McGill's Quebec Studies Program and the McGill Institute for the Study of Canada, brings together some of the pivotal players involved in the reforms, to get their perspectives and shed light on some of the myths and symbols associated with Quebec in the 1960s and 1970s.

## FEBRUARY 2011

THE OPENING of the Jim Lund Dental Clinic – a partnership between McGill and the Welcome Hall Mission – brings smiles to the faces of all in attendance, including Quebec Health Minister Yves Bolduc (pictured, second from left) (see The Community Around Us). (4)

MARK LATHROP – one of the world's top genomic researchers – becomes Scientific Director of the McGill University and G nome Qu bec Innovation Centre (see Health Matters).

FOR THE FIRST TIME in its 190-year history, McGill awards an honorary doctorate on foreign soil. Represented by Provost Anthony C. Masi and Claudio Cuello of the Faculty of Medicine, the University honours Italian neurologist Rita Levi Montalcini at a ceremony in Rome. Montalcini and her colleague Stanley Cohen are best known for their discovery of Nerve Growth Factor, for which they received the Nobel Prize in Medicine in 1986.

THE DIVERSITY AND COMPLEX REALITIES of Montreal's Black communities are the focal points of the "Black Histories, Black Futures" conference hosted by McGill's Social Equity and Diversity Education Office, in collaboration with community organizations. The event, which convenes representatives, researchers, workers, and students, aims to create an ongoing forum for dialogue.

TEN MCGILL STUDENTS from several faculties – including Laura Drudi from Medicine (pictured) – participate in a field study course in Antarctica, coordinated by the non-profit Students on Ice. Led by Earth and Planetary Sciences professor Eric Galbraith, they visit many sites, conducting oceanographic sampling and exploring the Antarctic environment. (5)

## MARCH 2011

MCGILL AND THE  COLE DE TECHNOLOGIE SUP RIEURE jointly launch the Quartier de l'innovation, designed as a future hub of scientific enterprise, and research and development (see Research, Scholarship + Creation).

MARCH 21ST marks the 190th Anniversary of McGill's first Royal Charter.

POLICY EXPERTS from around the globe gather at the annual conference of the McGill Institute for the Study of Canada. The conference focuses on Canada-U.S. relations.

THE MCGILL MARTLETS win their third national women's hockey championship title in four years by beating the St. Francis Xavier X-Women 5-2 in the deciding match of the Canadian Interuniversity Sports (CIS) finals. The victory capped a stellar season for the women's hockey team, who racked up a 33-0 record against CIS opponents.

## APRIL 2011

A CHAIR IN FOOD SAFETY is established with the generous support of leading food safety researcher and McGill graduate Ian C. Munro and his wife Jayne. Based in the Faculty of Agricultural and Environmental Sciences, the Chair will lead McGill's newly established Food Safety and Quality Program, an interdisciplinary teaching and research initiative. (Ian Munro, pictured at front, passed away shortly after the chair was announced, following a battle with cancer.) (6)

# 2010\*2011 | YEAR IN REVIEW ★



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## MAY 2011

THE CENTRE FOR CONTINUING EDUCATION becomes the School of Continuing Studies. According to Dean Judith Potter, "The new name more clearly reflects who we are today and where we are headed as we reach out to diverse communities of learners in local, national and international contexts."

FIVE MCGILL STUDENTS are elected to the House of Commons in the Canadian federal elections (see Student Life + Learning and Graduate + Postdoctoral Studies). (7)

MCGILL'S FACULTY OF EDUCATION hosts the Comparative & International Education Society's 55th Annual Conference at Montreal's Queen Elizabeth Hotel.

THE ASSOCIATION OF RESEARCH LIBRARIES and the Canadian Association of Research Libraries Joint Meeting is hosted by McGill and the Université de Montréal. The theme, "Transcending National Borders," addresses issues such as international copyright.

THE PROMOTION OF ACTIVE HEALTH is centre stage at the launch of the Bloomberg Manulife Prize (see Health Matters).  
 FILM STAR MICHAEL DOUGLAS is the guest of honour at McGill's 17th Annual Head and Neck Cancer Fundraiser. The event raises close to two million dollars, proceeds that will benefit McGill and its affiliated teaching hospitals. In August 2010, doctors from Montreal's Jewish General Hospital diagnosed Douglas's throat cancer after it was missed by physicians in the United States.

## JUNE 2011

THE MCGILL COMMUNITY is deeply saddened by the loss of David R. Colman, director of the Montreal Neurological Institute and Hospital, at the age of 62. Under his leadership, the Neuro launched a successful \$40-million capital campaign and was named one of the first Canadian National Centres of Excellence in Research and Commercialization. (8)

AT SPRING CONVOCATION CEREMONIES, a ceremonial scarf for graduating Aboriginal students makes its first appearance, acknowledging the importance of Aboriginal students to McGill. The year's stellar group of honorary doctorate recipients includes McGill alum William Shatner (BCom'52, pictured with Arts Dean Chris Manfredi). In his address to the Faculty of Arts graduating class, Dr. Shatner (aka Captain Kirk) advises, "Don't be afraid of taking chances." (9)

MORE THAN 1,500 DELEGATES from 35 countries gather in Montreal for the third North American Congress of Epidemiology. Rebecca Fuhrer, chair of Epidemiology, Biostatistics and Occupational Health, heads the congress organizing committee.

# FACT BOOK

## STUDENTS

### OUTSTANDING STUDENTS

- ↘ **36,531** STUDENTS
- ↘ **7,294** (20.0%) INTERNATIONAL STUDENTS
- ↘ **8,301** (22.8%) GRADUATE STUDENTS
- ↘ DEGREES GRANTED IN 2010-2011: **7,935**

↘ **MORE RHODES SCHOLARS** THAN ANY OTHER CANADIAN UNIVERSITY (**132**)

↘ **6,484** (17.7%) OF STUDENTS CLAIM FRENCH AS THEIR FIRST LANGUAGE

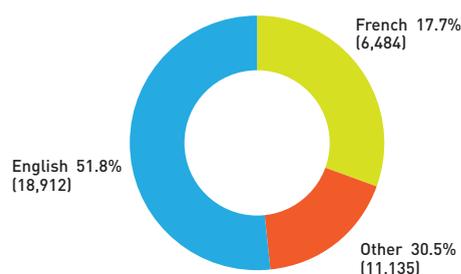
### STUDENT ENROLMENT FALL 2010

Full-time undergraduate	21,501
Part-time undergraduate	3,766
Full-time graduate	6,263
Part-time graduate	2,038
Postdoctoral scholars	624
Residents and fellows	1,273
Other (non-credit)	1,066
<b>TOTAL ENROLMENT</b>	<b>36,531</b>

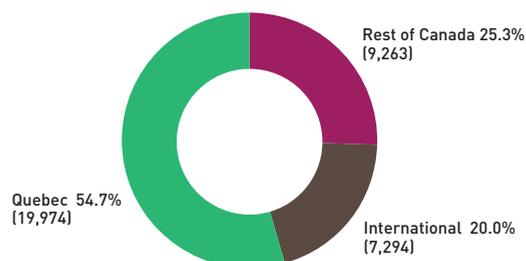
### ENROLMENT BY FACULTY

FACULTY	UNDER-GRADUATE	GRADUATE	POST DOCTORAL + RESIDENTS	OTHER	TOTAL
Agricultural & Environmental Sciences	1,186	482	23	101	1,792
Arts	7,017	881	38		7,936
Interfaculty B.A. & Sc.	581	-	-	-	581
Dentistry	133	53	38	-	224
Education	1,670	1,008	2	-	2,680
Engineering	2,864	1,070	66	-	4,000
Law	679	131	2	-	812
Desautels Faculty of Management	2,307	490	3	-	2,800
Medicine	1,481	1,794	1,590	-	4,865
Schulich School of Music	548	276	3	-	827
Religious Studies	28	64	1	-	93
Science	4,361	906	131	-	5,398
Continuing Studies	2,412	1,146	-	965	4,523
<b>TOTAL ALL STUDENTS</b>	<b>25,267</b>	<b>8,301</b>	<b>1,897</b>	<b>1,066</b>	<b>36,531</b>

### ENROLMENT BY MOTHER TONGUE



### ENROLMENT BY PLACE OF ORIGIN



# FACT BOOK

## STUDENTS

### AVERAGE ENTERING R SCORE\* OF UNDERGRADUATES

SOURCE: CREPUQ



\*The R score (cote de rendement au collegial or cote R in French) is a statistical method which classifies college students' academic performance in Quebec.

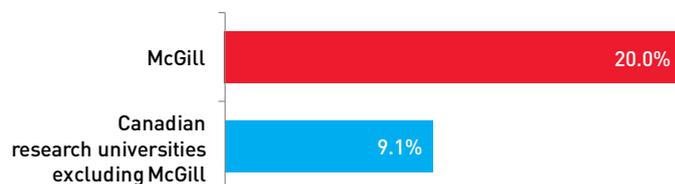
### UNDERGRADUATE TUITION FEES 2010-11

Quebec Students	\$2,068
Rest of Canada	\$5,665
International Students	\$14,462-\$24,840*

\*Depending on program

### PROPORTION OF INTERNATIONAL STUDENTS (AS A % OF DEGREE-SEEKING STUDENTS)

SOURCE: U15 DATA EXCHANGE

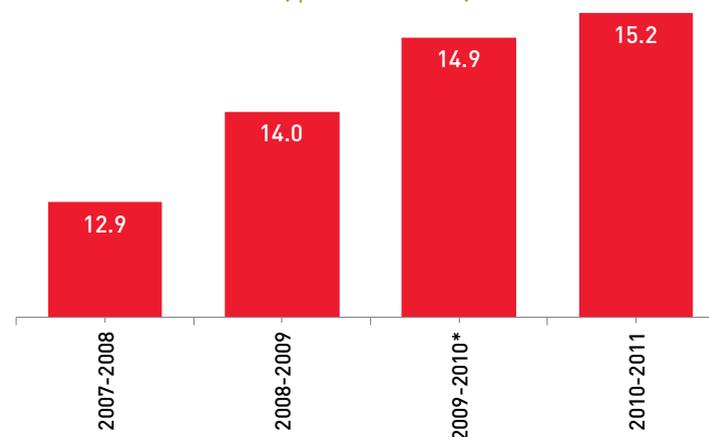


### PROPORTION OF PHD STUDENTS (AS A % OF DEGREE-SEEKING STUDENTS)

SOURCE: U15 DATA EXCHANGE



### UNDERGRADUATE SCHOLARSHIPS + FINANCIAL AID (\$ MILLIONS)



\*In 2009-2010 only, the admission threshold for one-year entrance scholarships was lowered, resulting in higher expenditure in this category.

# FACT BOOK

## FACULTY + RESEARCH

### OUTSTANDING FACULTY

- **1,603** TENURED AND TENURE-TRACK FACULTY
- **159** CANADA RESEARCH CHAIRS
- **156** ENDOWED TEACHING AND RESEARCH CHAIRS
- **130** LIVING MEMBERS OF THE ROYAL SOCIETY OF CANADA
- **MORE THAN 1,000** TENURE-TRACK PROFESSORS HIRED UNDER AN AMBITIOUS RECRUITMENT PROGRAM SINCE 2000. OF THESE, **586** WERE RECRUITED FROM OUTSIDE CANADA

### RESEARCH FUNDING IN \$M (INCLUDING AFFILIATED HOSPITALS)

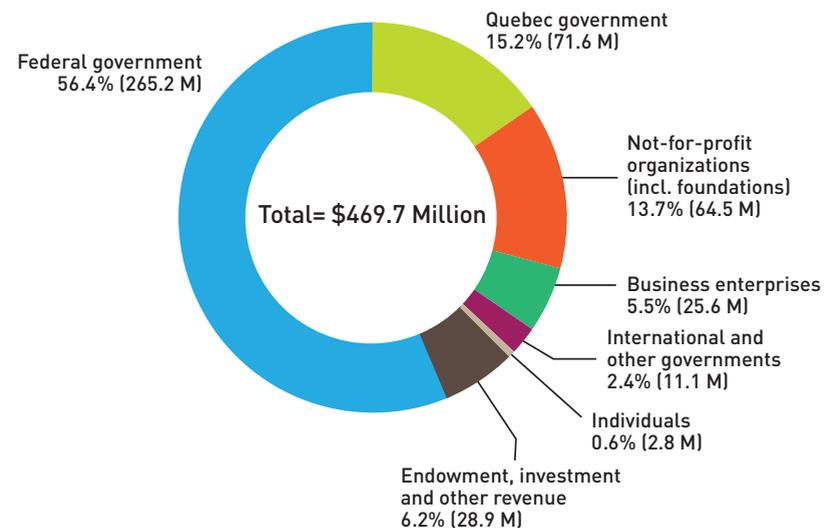
SOURCE: CAUBO



### OUTSTANDING RESEARCH

- **\$469.729 MILLION** AWARDED IN RESEARCH FUNDING IN 2009-10 (MCGILL AND AFFILIATED HOSPITALS)
- **168** GOVERNMENT- AND INDUSTRY-SPONSORED RESEARCH CONTRACTS VALUED AT **OVER \$20 MILLION** IN 2010-11 (NOT INCLUDING AFFILIATED HOSPITALS)
- **31** LICENCES AND OPTIONS TO LICENSE GRANTED TO THE PRIVATE SECTOR IN 2010-11, FOR A CUMULATIVE TOTAL OF **167** ACTIVE LICENCES
- **ONE OF THE LARGEST** PATENT PORTFOLIOS AMONG CANADIAN UNIVERSITIES. IN 2010-11, **16** NATIONAL AND INTERNATIONAL PATENTS WERE GRANTED TO MCGILL. **#2 IN CANADA** FOR U.S. PATENTS GRANTED IN 2009
- **#1 FOR PUBLICATION IMPACT** AMONG CANADA'S RESEARCH UNIVERSITIES (RESEARCH INFOSOURCE 2010)

### 2009-10 RESEARCH FUNDING (INCLUDING AFFILIATED HOSPITALS)



# FACT BOOK

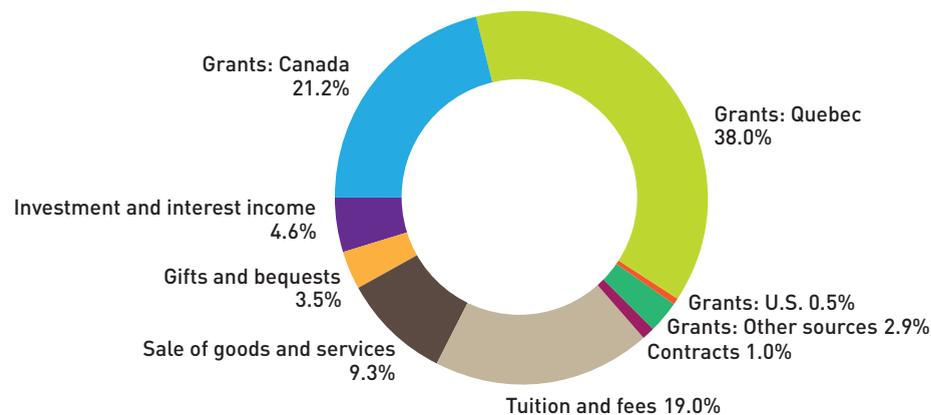
## FINANCE + ADMINISTRATION

### FINANCIAL HIGHLIGHTS 2010-2011 (IN THOUSANDS OF DOLLARS)

Grants	
Canada	227,634
Quebec	407,670
United States	5,682
Other sources	31,300
Contracts	10,472
Tuition and fees	203,835
Sale of goods and services	99,632
Gifts and bequests	37,327
Investment and interest income	48,801
<b>TOTAL REVENUE</b>	<b>1,072,353</b>

CANADA'S TOP 100 EMPLOYERS,  
CANADA'S TOP FAMILY-FRIENDLY EMPLOYERS  
AND MONTREAL'S TOP EMPLOYERS

➤ MCGILL WAS NAMED TO **ALL THREE** GROUPS FOR 2011



## RANKINGS

### TOP 20 UNIVERSITIES - 2010 QS WORLD UNIVERSITY RANKINGS

RANK	INSTITUTION	OVERALL SCORE
1	University of Cambridge	100
2	Harvard University	99.2
3	Yale University	98.7
4	University College London	98.5
5	Massachusetts Institute of Technology	98.2
6	University of Oxford	98.2
7	Imperial College London	97.8
8	University of Chicago	97.5
9	California Institute of Technology	96.5
10	Princeton University	96.0
11	Columbia University	96.0
12	University of Pennsylvania	96.0
13	Stanford University	93.6
14	Duke University	92.3
15	University of Michigan	92.2
16	Cornell University	90.4
17	Johns Hopkins University	89.7
18	ETH Zurich (Swiss Federal Institute of Technology)	89.3
<b>19</b>	<b>McGill University</b>	<b>89.3</b>
20	Australian National University	88.6

*Note: The 2010 QS World University Rankings were produced in association with Scopus, the Elsevier database of bibliometric data, and U.S. News & World Report. Indicators involved include: academic peer and employer review, international academic staff and student numbers, staff/student ratios and citations per staff.*

### QS 2011 SUBJECT RANKINGS McGILL'S WORLD RANK FOR SUBJECTS IN TOP 25

SUBJECT	RANK	SUBJECT	RANK
Accounting & Finance	21	Linguistics	9
Biological Sciences	18	Mathematics	25
Chemical Engineering	15	Medicine	13
Computer Science	23	Modern Languages	15
Economics	18	Philosophy	18
English	12	Politics & International Studies	25
Environmental Science	21	Psychology	10
Geography & Area Studies	17	Sociology	15
History	15	Statistics & Operational Research	20
Law	12		

## RANKINGS

### TIMES HIGHER EDUCATION 2010 WORLD UNIVERSITY RANKINGS

RANK	INSTITUTION	OVERALL SCORE
1	Harvard University	96.1
2	California Institute of Technology	96.0
3	Massachusetts Institute of Technology	95.6
4	Stanford University	94.3
5	Princeton University	94.2
6	University of Cambridge	91.2
6	University of Oxford	91.2
8	University of California Berkeley	91.1
9	Imperial College London	90.6
10	Yale University	89.5
11	University of California Los Angeles	87.7
12	University of Chicago	86.9
13	Johns Hopkins University	86.4
14	Cornell University	83.9
15	Swiss Federal Institute of Technology Zurich	83.4
15	University of Michigan	83.4
17	University of Toronto	82.0
18	Columbia University	81.0
19	University of Pennsylvania	79.5
20	Carnegie Mellon University	79.3
...	...	...
<b>35</b>	<b>McGill University</b>	<b>71.7</b>

Note: Times Higher Education (THE) partnered with QS on university rankings until 2009. The 2010 THE World University Rankings were produced in association with Thomson Reuters and employed a new methodology, looking at various measures of citation impact, teaching, research, international mix and industry income.

### SHANGHAI ACADEMIC RANKING OF WORLD UNIVERSITIES

- MCGILL RANKED **61ST** IN 2010, UP FROM 65TH IN 2009 AND ONE OF ONLY FOUR CANADIAN UNIVERSITIES IN THE TOP 100.
- THE SHANGHAI RANKING LOOKS AT **CITATIONS, PUBLICATIONS** IN CERTAIN JOURNALS AND SUCCESS OF ALUMNI AND ACADEMIC STAFF IN WINNING **NOBEL PRIZES** AND **FIELDS MEDALS**.

### #1 IN MACLEAN'S SIX YEARS RUNNING

- IN 2010, MACLEAN'S MAGAZINE RANKED MCGILL UNIVERSITY **FIRST** IN ITS CLASS – **MEDICAL-DOCTORAL CATEGORY** – FOR THE **SIXTH CONSECUTIVE YEAR** – IN ITS ANNUAL ISSUE DEVOTED TO CANADIAN UNIVERSITIES. THE CATEGORY INCLUDES 15 CANADIAN UNIVERSITIES WITH MEDICAL SCHOOLS AND A BROAD RANGE OF PHD PROGRAMS.
- THE MACLEAN'S RANKINGS MEASURE DIVERSE ASPECTS OF A UNIVERSITY'S OPERATION. MCGILL WAS THE **LEADER** IN A NUMBER OF AREAS, INCLUDING: STUDENT AWARDS, SCHOLARSHIPS AND BURSARIES AS A PERCENTAGE OF BUDGET, REPUTATIONAL SURVEY AND AVERAGE ENTRANCE GRADES (89.5 PER CENT)

# LEADERSHIP 2011

## SENIOR ADMINISTRATION

PRINCIPAL AND VICE-CHANCELLOR  
Heather Munroe-Blum

PROVOST  
Anthony C. Masi

SECRETARY-GENERAL  
Stephen Stropole

VICE-PRINCIPAL  
(ADMINISTRATION AND FINANCE)  
Michael Di Grappa

VICE-PRINCIPAL  
(RESEARCH AND INTERNATIONAL RELATIONS)  
Rose Goldstein

VICE-PRINCIPAL (HEALTH AFFAIRS)  
Richard I. Levin/Samuel Benaroya (interim)

VICE-PRINCIPAL (EXTERNAL RELATIONS)  
Olivier Marcil

VICE-PRINCIPAL  
(DEVELOPMENT AND ALUMNI RELATIONS)  
Marc L. Weinstein

DEPUTY PROVOST,  
STUDENT LIFE AND LEARNING  
Morton J. Mendelson

GENERAL COUNSEL AND  
DIRECTOR OF LEGAL SERVICES  
Line Thibault

EXECUTIVE DIRECTOR, PLANNING  
AND INSTITUTIONAL ANALYSIS AND  
SENIOR ADVISOR (POLICY DEVELOPMENT)  
Pierre Moreau

EXECUTIVE HEAD (PUBLIC AFFAIRS)  
Vaughan Dowie

CHIEF OF STAFF, OFFICE OF THE  
PRINCIPAL AND VICE-CHANCELLOR  
Susan Aberman

## DEANS

AGRICULTURAL AND ENVIRONMENTAL SCIENCES  
Chandra Madramootoo

ARTS  
Christopher Manfredi

CONTINUING STUDIES  
Judith Potter

DENTISTRY  
Paul Allison

EDUCATION  
Hélène Perrault

ENGINEERING  
Christophe Pierre/Andrew Kirk (interim)

GRADUATE AND POSTDOCTORAL STUDIES  
Martin Kreiswirth

LAW  
Daniel Jutras

LIBRARIES  
Colleen Cook

DESAUTELS FACULTY OF MANAGEMENT  
Peter Todd

MEDICINE  
Richard I. Levin/Samuel Benaroya (interim)

SCHULICH SCHOOL OF MUSIC  
Gordon Foote (interim)/Sean A. Ferguson

RELIGIOUS STUDIES  
Ellen B. Aitken

SCIENCE  
Martin Grant

STUDENTS  
Jane Everett

## BOARD OF GOVERNORS

CHANCELLOR  
H. Arnold Steinberg

PRINCIPAL AND VICE-CHANCELLOR  
Heather Munroe-Blum

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Roshi Chada  
Stuart H. (Kip) Cobbett, Chair  
Peter Coughlin  
Lili de Grandpré, Vice-Chair  
Darren Entwistle  
Kathy Fazel  
Daniel Gagnier  
Claude Généreux  
Samuel Minzberg  
Martine Turcotte  
Thierry Vandal

ALUMNI ASSOCIATION REPRESENTATIVES  
Morna Flood Consedine  
Michael Richards  
Ann Vroom

ACADEMIC STAFF REPRESENTATIVES  
Kenneth Hastings  
Amir Raz

ADMINISTRATIVE AND SUPPORT STAFF  
REPRESENTATIVES  
Ron Critchley  
Allan Youster

SENATE REPRESENTATIVES  
Gary Pekeles  
David Harpp

STUDENT REPRESENTATIVES (to Aug. 31)  
Zach Newburgh (Students' Society of McGill University)  
Alexandra Bishop (Post-Graduate Students' Society)

STUDENT OBSERVER (to Aug. 31)  
Ian Chan (Macdonald Campus Students' Society)

# SENATE 2010\*2011 ✨

## EX OFFICIO

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The Chancellor  
The Chair and three members (Roshi Chadha,  
Amiz Raz, Michael Richards)  
of the Board of Governors  
The Principal and Vice-Chancellor  
The Vice-Principals  
The Provost  
The Deputy Provost  
The Deans

## ELECTED ACADEMIC MEMBERS

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### AGRICULTURAL AND ENVIRONMENTAL SCIENCES

Brian Driscoll  
Ashraf Ismail  
Mark Lefsrud  
Kevin Wade

### ARTS

Darin Barney  
Valentin Boss  
Dorothy Bray  
Brendan Gillon  
Allen Hepburn  
Juliet Johnson  
John Kurien  
Andrew Piper  
Lydia White

### DENTISTRY

Ji Zhang

### EDUCATION

Eric Caplan  
Kevin McDonough  
Caroline Riches  
Alenoush Saroyan

### ENGINEERING

David Covo  
Richard Leask  
David Lowther  
Arun Misra

### LAW

Evan Fox-Decent  
Richard Janda

### DESAUTELS FACULTY OF MANAGEMENT

Hamid Etemad

### MEDICINE

Gillian Bartlett-Esquiland  
James Brophy  
Renzo Cecere  
Claudio Cuello  
Elaine Doucette  
Gerald Fried  
Laura Gonnerman  
James Martin  
Gary Pেকেles  
Bernard Robaire  
Laurie Snider  
Christina Wolfson  
Edith Zorychta

### SCHULICH SCHOOL OF MUSIC

Kyoko Hashimoto  
Joel Wapnick

### RELIGIOUS STUDIES

Torrance Kirby

### SCIENCE

Gregory Dudek  
Keith Franklin  
Charles Gale  
Peter Grütter  
John Gyakum  
David Harpp  
Jacques Hurtubise  
Paul Lasko  
Renee Sieber

### UNIVERSITY LIBRARIES

Johanne Hebert  
Joan Hobbins  
Marc Richard

## ELECTED ADMINISTRATIVE AND SUPPORT STAFF

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Gregg Blachford  
Ruth Kuzaitis  
Mary Jo McCullough  
Kathryn Peterson  
Honora Shaughnessy  
Helen Van Eyk

## ELECTED STUDENT MEMBERS

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### STUDENTS' SOCIETY OF MCGILL UNIVERSITY

Zach Newburgh (SSMU President)  
Joshua Abaki (SSMU VP University Affairs)  
Tyler Lawson (Arts)  
Amara Possian (Arts)  
Claudette van Zyl (Arts)  
Philip Cutler (Education)  
Andrew Doyle (Engineering)  
Simon Liu (Engineering)  
Randall Blom (Law)  
Matt Reid (Management)  
Catherine Ready (Music)  
Annie Junqian Ma (Science)  
Peter Li (Science)

### MCGILL ASSOCIATION OF CONTINUING EDUCATION STUDENTS

Engelbert Gayagoy

### MACDONALD CAMPUS STUDENTS' SOCIETY

Clare Wilkening

### POST-GRADUATE STUDENTS' SOCIETY

Alexandra Bishop  
Alexander Deguise  
Roland Nassim



View of the Arts Building from Sherbrooke Street, circa 1860. Credit: McGill University Archives, PR014521.



Redpath Museum interior, circa 1900. The Redpath Museum, completed in 1882, is the oldest building in Canada built as a museum. It originally housed the collections of then-Principal William Dawson. The Museum currently holds collections in paleontology, zoology, mineralogy and ethnology, and has research labs and a teaching auditorium. Credit: W. Gourlie Blackie/McGill University Archives, PL028648.



Interior of Donner Building, Faculty of Dentistry, date unknown. Credit: *McGill News*/McGill University Archives, PR008050.



Architecture Department, Macdonald Engineering Building, circa 1900. Credit: W. Gourlie Blackie/McGill University Archives, PL0238652.



A hospital built for patients with the parasitic disease known as sleeping sickness, Léopoldville (now known as Kinshasa), Congo, 1904. From the collection of John Todd, a McGill graduate (BA 1898, MDCM 1900) who returned to the University as Canada's first professor of parasitology in 1907. Credit: Redpath Museum/World Cultures.



Perry Pavilion of the Douglas Hospital, circa 1910. Founded in 1881, the Douglas has been affiliated with McGill since 1946 and in 2006 became the Douglas Mental Health University Institute. Credit: Douglas Institute.



Electrical engineering lab, Macdonald Engineering Building, circa 1900. Credit: W. Gourlie Blackie/McGill University Archives, PL028618.



A crop of the root vegetable mangel beet, Macdonald College, circa 1910. Credit: Department of Agronomy.



Dr. Cyril "Flin" Flanagan, member of the McGill Sports Hall of Fame, circa 1923. Left for dead on the battlefield in a blood bath at Passchendaele in World War I, he recovered and went on to study dentistry at McGill, starring for four years (1919-23) in both football and hockey. Credit: McGill University Archives, 0000-0090.04.92.



Maude Abbott (upper right) was part of the third class of women to graduate from McGill's Faculty of Arts, in 1890. Because McGill's medical school was not open to women at that time, she went on to receive her MD from Bishop's Medical School. Following a period of travel and research, Dr. Abbott returned to Montreal and became curator of the McGill Medical Museum. Credit: McGill University Archives.



.....  
DOWNTOWN CAMPUS  
MACDONALD CAMPUS  
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