

McGill is a world-class research-intensive, student-centred university with an enduring sense of public purpose. The Strategic Research Plan (SRP) expresses McGill's core commitments to research, identifies ongoing Research Excellence Themes, and outlines our implementation strategy and objectives.

View the full plan at: www.mcgill.ca/research/srp

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McGill has identified four primary objectives in the service of research excellence:

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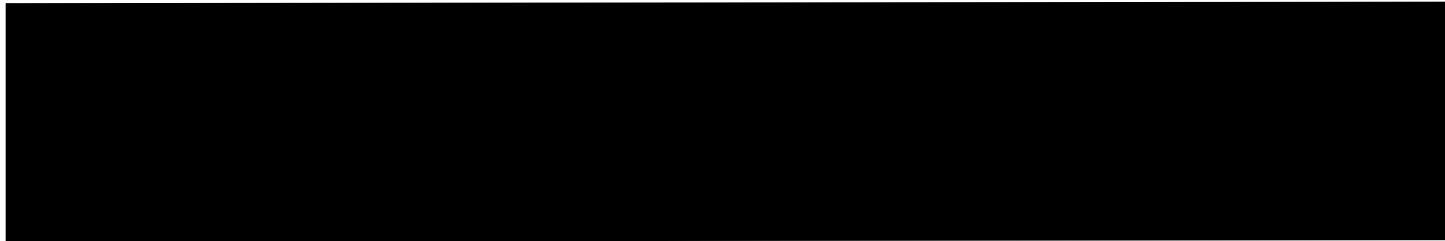
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Engineering and Applied Sciences

McGill is at the vanguard of multidisciplinary research in mathematics, physics, and engineering, which enables a wide spectrum of industrial-technological applications. Our work in social sciences and humanities helps us better understand technology's role in societal institutions.

KEY RESEARCH AREAS: *Artificial Intelligence, Robotics, New Musical Forms, Additive Manufacturing, Optical Fiber Communication Systems, Commodity Supply Chains*

Neurosciences

McGill is one of the world's leading centres for research and education in the neurosciences and related fields, and is uniquely positioned to advance knowledge and understanding of the human brain and the prevention and treatment of mental and neurological disorders.

KEY RESEARCH AREAS: *Neurodegenerative Disorders, Mental Health, Pain*

Sustainability

McGill research is leading the response to the challenges of sustaining the life support systems of the planet for now and for future generations with fundamental and applied science that advances renewable materials, energy, agricultural, and transportation systems.

KEY RESEARCH AREAS: *Sustainable Working Landscapes, Northern, Arctic, and Circumpolar Research, Precision Agriculture Science, Green Chemistry*

Health Sciences

McGill is a world leader in translating discoveries from basic research in disease mechanisms at the molecular and cellular levels into improved clinical outcomes. We are focused on using basic and applied research to provide solutions for efficient and high-quality health care and rehabilitation for a diverse set of diseases and conditions.

KEY RESEARCH AREAS: *Genomic Medicine, Human Health and Well-Being, Cancer, Stem Cells, Infectious and Inflammatory Diseases*

Global Studies

McGill's researchers are addressing the challenges of this century, which require new forms of global accountability as well as creative, multidisciplinary approaches to implementing change that builds on the strengths of the public, private, and social sectors.

KEY RESEARCH AREAS: *International Relations, Human Rights, First Nations, Public*

Physics and Astronomy

McGill is a major player in the rapid and extensive advances in our understanding of the natural world and its systems. Our research is revealing the laws of physics, chemistry, and mathematics, the nature of life, the place of the Earth in the Universe, and the evolution of our own species.

KEY RESEARCH AREAS: *Cosmology and Astrophysics, Ecology and Evolution, Nanoscience*

Humanities

McGill researchers explore bold and challenging themes that form the basis of critical and ethical thinking and self-awareness in an interconnected world.

KEY RESEARCH AREAS: *Youth and Girlhood Studies, Jazz Composition and Performance, Linguistics, Montreal*