



**Research for a Brighter World**  
**Strategic Plan for Research 2018-2023**

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# McMaster's Strategic Research Plan

## Foundations

McMaster's Mission and Vision Statement

*Our purpose is the discovery, communication and preservation of knowledge.*

*Our vision is to achieve international distinction for creativity, innovation and excellence.*

## Consultation

University-wide

External stakeholders



# Cornerstones



## Core Set of Values

- Ethics, equity, and excellence
  - Education and extending the boundaries of knowledge are inseparable
  - Best practices and cutting-edge technologies
  - Collaboration as an essential driver of innovation
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- Partner with hospitals, governments, institutions, and businesses
  - Share knowledge to shape policies and practices

# Reinforcing our Strengths

Interdisciplinary Research  
Fundamental Research



Indigenous Research and Inquiry  
Materials and the Built Society  
Human Health and Social Determinants  
Sustainability for Global Prosperity

# Building for the Future

## Why Research Matters

### Strategic Initiatives to Meet Complex Challenges

- Addressing the Growing Burden of Chronic Disease
- Advanced Materials and Manufacturing
- Aging Across the Life Span
- Data, Artificial Intelligence and the Digital Society
- Environment and Energy
- Equitable, Prosperous and Sustainable Societies
- Understanding and Responding to Infectious Disease
- Indigenous Knowledge and Research

# Partnering for Success

## Quality of Researchers

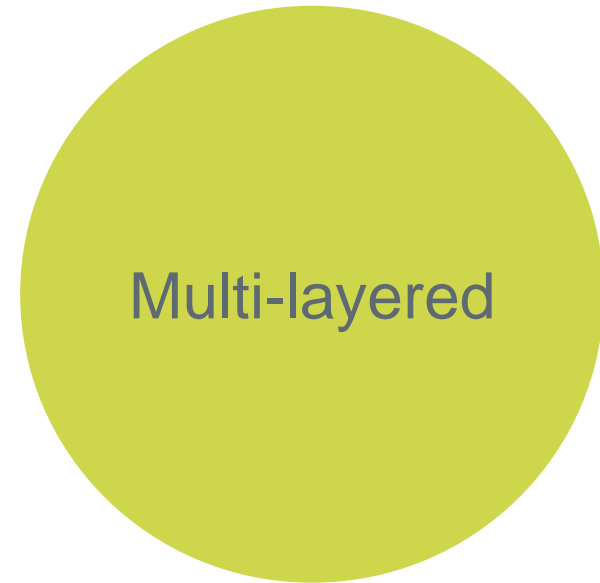
- Diversity
- Clusters
- Mentorship
- Seed funding

## Major Research Applications

- Proposal selection
- Proposal development
- Seed funding

## Major Research Platforms, Research Institutes & Centres

- Management and support
- Policies and guidelines
- Reporting structures



# Partnering for Success

## Knowledge Transfer and Commercialization Outreach and Communication

- Equity and diversity in entrepreneurship
- Entrepreneur mentors
- Recognition
- Enhanced partnerships
  - Grad Studies, community engagement, other sectors, international



*McMaster Innovation Park*





## Our Influence and Impact on Society