

Toronto Metropolitan University Wet Lab Proposal

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Toronto
Metropolitan
University



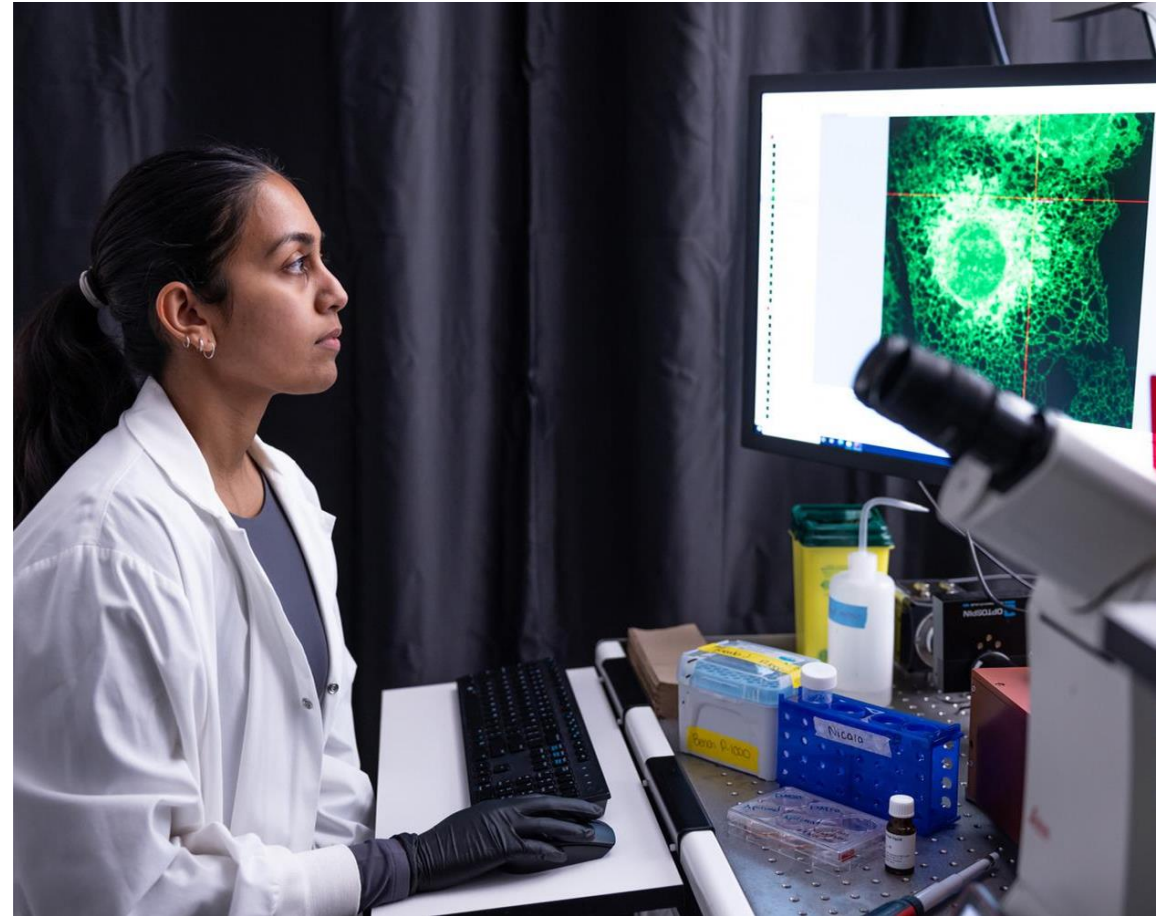
Opportunity: Address Critical Shortage of Wet Lab Space Across GTA

- TMU proposes a new wet lab and pilot-scale facility to address the GTA's critical shortage of wet lab space.
- Builds a regional hub for Ontario-made innovation, commercialization, and job creation.
- Supports startups, SMEs, researchers, and industry partners across life sciences, medtech, digital health, and clean-health technologies.



Strategic Alignment

- Expands specialized R&D infrastructure in Southern Ontario.
- Accelerates commercialization and SME scale-up.
- Strengthens regional productivity and supply chain resilience.
- Positions Brampton as a competitive, investment-ready life sciences centre.



Proposed Facility Concept

Flexible, leasable and scalable wet lab and prototyping spaces to support:

- Startups and SMEs developing biotech, medtech or clean health innovations
- Academic researchers from TMU and clinical partners conducting applied and translational research
- Collaborative projects with government and industry



Core Components

- **Large Wet Labs** - Discovery science and biomedical research
- **Clinical Innovation and Prototyping Labs** - Device design, 3D printing and biomaterials fabrication
- **Medical Imaging Labs** - Equipped for MRI, CT, ultrasound and X-ray innovation
- **Mock Surgical Suites and Cadaver Labs** - Device testing, surgical training and human-systems integration
- **Innovation and Start-up Spaces** - Connected to Brampton Venture Zone ecosystem

Addressing a Community Need: Diabetes Innovation Hub

- Creates a dedicated platform for diabetes-focused R&D, technology development, and community health innovation.
- Supports SMEs developing diagnostics, monitoring tools, digital-health solutions, and metabolic technologies.
- Builds on TMU strengths in: non-invasive monitoring, wearable tech, nutrition and glycemic research, and community health.
- Generates measurable health and economic outcomes for Peel Region and Ontario.
- Reinforces Brampton as a leader in chronic disease innovation.



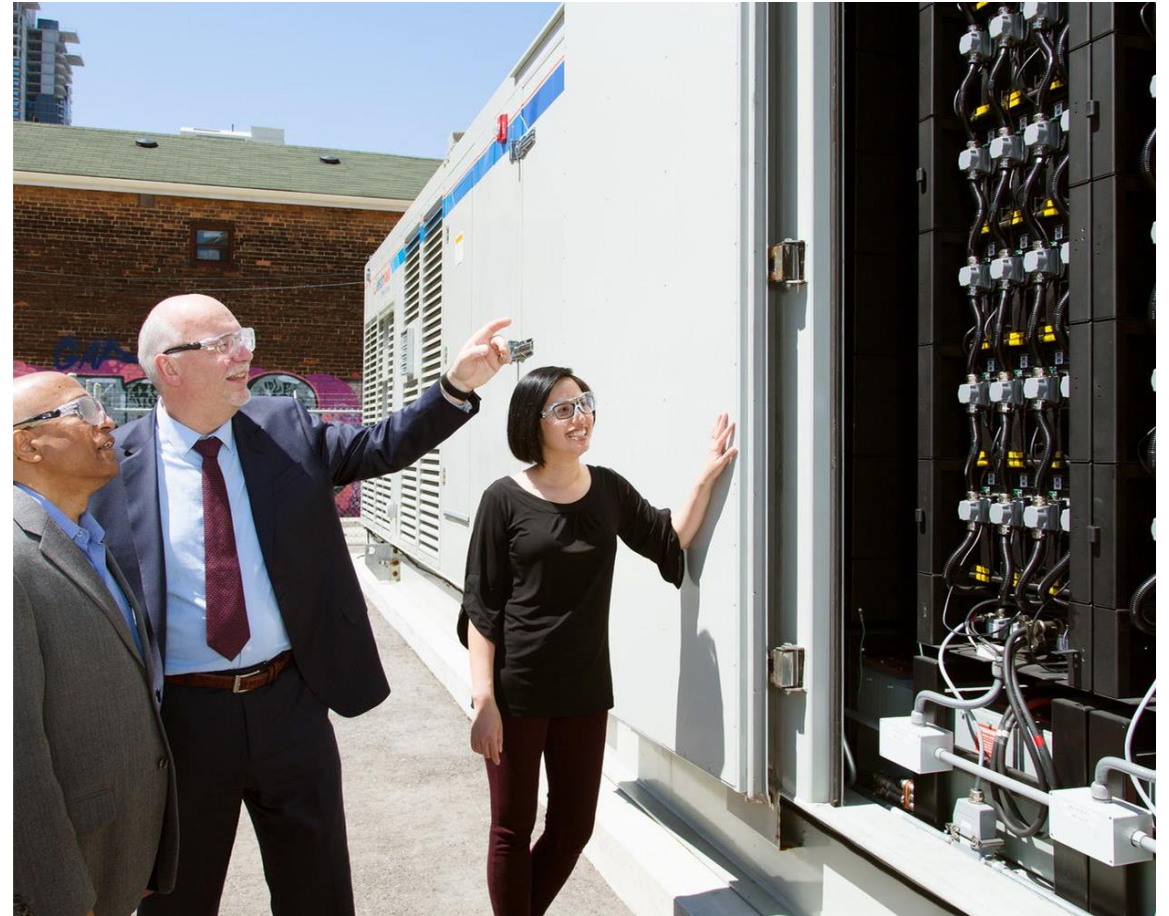
Economic Benefits for Brampton and Peel Region

- Positions Brampton as a life sciences innovation hub in the Ontario Innovation Corridor
- Attracts high-value firms in biomanufacturing, digital health and clean tech
- Stimulates local job creation – including technical, research and skilled trades roles
- Promotes inclusive economic growth by creating opportunities for diverse populations and local youth



Benefits for Ontario

- Advances provincial innovation and commercialization priorities
- Builds resilience in Ontario's health and life sciences sector
- Enhances regional infrastructure capacity, supporting economic diversification beyond the GTA core



Governance and Collaboration

A co-led governance model between TMU and the City of Brampton, with advisory participation from:

- Ontario Ministry of Economic Development, Job Creation and Trade (MEDJCT)
- FedDev Ontario
- Industry and healthcare partners



Funding and Investment Streams

- 1. Public Investment:** Provincial and federal capital and infrastructure programs (e.g., MEDJCT Life Sciences Fund, FedDev Ontario, Canada Foundation for Innovation)
- 2. Private Sector and Philanthropic Investment:** Industry partnerships and donor contributions tied to named research spaces
- 3. Academic Contribution:** TMU to provide research leadership, student training, and integration with teaching and clinical innovation



Stakeholder Consultations

- Approximately 20 external stakeholders have been consulted for feedback on the wet lab concept.
- They include: Medtronic, DIA Labs Canada, Boston Scientific, William Osler Health System, Diabetes Canada, Brampton Venture Zone among other key industry and healthcare innovation leaders.
- The response has been overwhelmingly positive and in support of the initiative.

Stakeholder Consultations: Key Themes

- Collaboration among lab users is key to its success
- A priority should be resources available to users (start-ups, for example, can't afford top talent so need the opportunity to consult with and collaborate with experts)
- Integrated ecosystem including medtech, hospitals and academia
- Focus on diabetes and/or lifestyle disease prevention creates potential to become centre of excellence in these areas
- Starting smaller and scaling up is best

Plan of Action/Next Steps

Item	Action
Finalize Joint Concept Paper	TMU and City of Brampton to articulate shared priorities, scale, and governance model
Engage Federal and Provincial Partners	Joint briefings with MEDJCT, FedDev, and CFI to position the project as a strategic investment
Identify Site and Zoning Requirements	City to explore available land or retrofittable facilities proximate to the School of Medicine
Develop Funding Strategy	Discuss avenues and collaborate on a plan
Launch Planning Working Group	Establish a joint TMU–City task force to define timelines, design requirements, and partnership agreements