

Faculty of Medicine, University of Toronto



translational  
research  
program

**JOIN OUR COMMUNITY  
OF HEALTH INNOVATORS**

COLLABORATE, CREATE, TRANSLATE IDEAS TO INNOVATIONS TO IMPACT HUMAN HEALTH

**MASTER OF HEALTH SCIENCE IN  
TRANSLATIONAL RESEARCH**

[trp.utoronto.ca](http://trp.utoronto.ca)

## Translation:

In health sciences refers to the **application of scientific knowledge to improve medicine, health and care.**

It may involve developing novel tools, mechanisms, services, drugs, techniques, policies, and protocols that address the needs of people and populations.



## Our Mission:

To **challenge** students to think differently, so they can champion change in their communities and contexts.



I've done research a certain way for many years but this program has taught me how to **efficiently and effectively** move forward in an **innovative way.**"

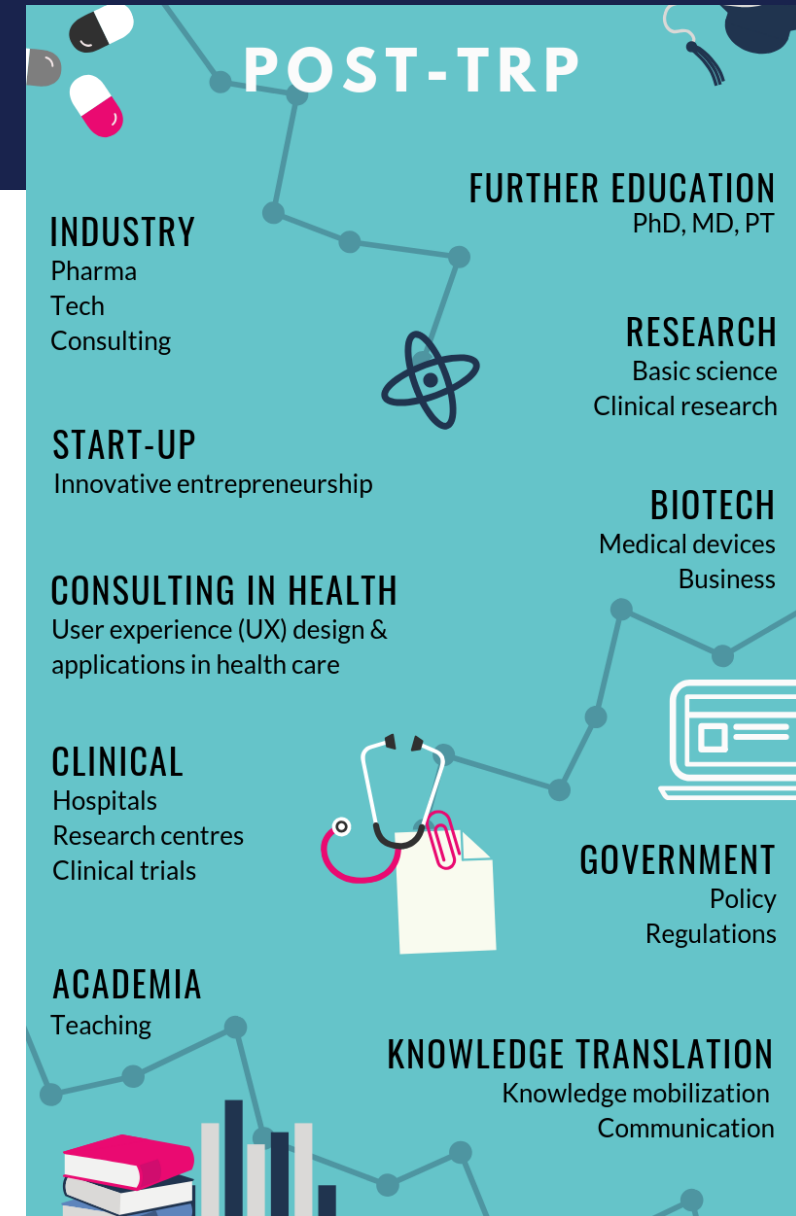
Reza Vali, Alumna, 2016 Cohort



## A competency-based GRAD program focused on transferable skills...

- Experiential Learning
- Networking
- Project Management
- Facilitated learning
- Individual Development
- Leadership & Collaboration
- Flexible programming
- Modules & Electives
- Creative Problem-solving

... to build your career.



## A 2-year professional experiential-learning based Masters of Health Science that provides:

- a **foundation of knowledge** related to translation in health science innovation;
- **strategies and skills** to improve translational thinking, problem-solving, and creativity; and
- **access & opportunities** for practice, development and collaboration.

### Our Andragogy:

- **Learner-driven:** we facilitate—we don't lecture.
- **Experiential**--learn by doing.
- **Process focused** (not assessment-based).

# Our Program

Course	Year 1			Year 2	
	Term 1	Term 2	Term 3	Term 4	Term 5
<b>MSC 1000 Foundations</b>	1.0 Y				
<b>MSC 2021 Capstone Prep</b>	1.0 Y				
<b>MSC 1003 Communication</b>	0.5 H				
<b>MSC 1002 Methods</b>		0.5 H			
<b>MSC 4000 Capstone Project</b>			2.0 YE		
<b>MSC 4010 Modules</b> 2.0 YE	4 Modules		2 Modules	2 Modules	
<b>Elective (s)</b>				0.5 H	0.5 H

## PROGRAM PATHWAY

The program length is 2 years full time.

**Year 1: Required course work on Tues & Thurs (1-7pm)**

Foundations in Translational research  
Design Thinking and Applications in Health  
Rhetoric of Science  
Overview of Methods in Practices & Contexts

**Year 2: Capstone Project in Translational Research**

Capstone Project meetings with faculty and advisory committee  
Electives (1.0)

**Modules (flexible):** 8 modules of choice completed throughout 2 years. Topics include Intellectual Property, Health Economics, Project management, Translational thinking, Policy, Privacy and Regulatory, Leadership, among many others.



As seen on...

Click on the article to read!

Hysterectomy no longer only option for treating fibroids

By Dr. Michelle Jacobson and Katie Tucker

It's critical to act fast when stroke symptoms strike

By Dr. Gurpreet Jaswal

Tips for tough task of telling a kid they have cancer

By Dr. Danielle Weidman

DOCTORS' NOTES



TORONTO STAR





## Translational Projects



## Refractory Incontinence in Children

### Unmet Medical Need:

Incontinence has major psychological, physiological, and financial implications for children and their families. Although most patients will improve with behavioural therapy and medication, 1% of patients will become refractory, not responding to any treatment

### Project:

Explore unused therapies that will help children suffering from severe refractory incontinence that align with the needs and preferences of parents and their children.



“The translational paradigm of the TRP has revolutionized my thinking.” - Clyde





## Translational Projects



## Invasive Placentation

### ***Unmet Medical Need:***

Management of invasive placentation is medically and surgically complex. Few opportunities exist for healthcare professionals who provide maternity care to gain expertise in invasive placentation.

### ***Project:***

Collaborated with clinicians at Mount Sinai and St Michael's Hospital, as well as the St. Mike's Surgical Simulation Team within the Li Ka Shing Knowledge Institute to develop a simulation tool using 3D printing that is now being used for medical training.

Many of our clinical trainees  
(residents, fellows & faculty)  
have developed amazing  
projects.



“I’ve done research a certain way for many years but this program has taught me how to efficiently and effectively move forward in an innovative way.” -Reza

However, it takes time to reframe their thinking and approach and then work on executing a sophisticated translational research initiative.

# Ask: explore Opportunities

For new program pathways to improve the depth and impact of the TRP program for trainees.

- E.g. One model: to is spread protected time over two years allowing trainees maintain a portion of their clinical responsibilities while in the TRP.
- This will provide more time to develop and execute impactful capstone projects.



## Contact:

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