

Welcome Package

#HackMedTech 2023



January 30th to February 17th, 2023

Location: Virtual

Overview of HackMedTech: HackMedTech is a 3-week innovation hackathon to build solutions for real world challenges faced by the medical technology industry. University-level students from Toronto Metropolitan University, McGill, Dalhousie, and UCalgary will explore, connect, and solve problems over the course of 3 weeks. Groups will present to judges and the winning solution will be announced live on February 17th, 2023.

Please refer to the [Hackathon Challenge Document](#) for a detailed description of the challenge, and required criteria for your final presentations.

Please also refer to a [live FAQ](#) which will be continuously updated throughout the 3-week event.

Location: Virtual

- Contact for scheduling / calendar invitations / check-ins / mentorship: jesse.ehrlick@mcgill.ca

Please complete the following before the start of the Hackathon (January 30th):

1. Check your email for a welcome package and more information, including:
 - Your group members and their contact information, and,
 - An 'icebreaker' form to be submitted by **one** group representative
2. Accept calendar invitations for the launch event (Jan 30th) and final presentations/awards event (Feb 17th)

Make sure you have access to:

- A computer and a stable internet connection
- The preferred mode of communication as decided by your team (e.g. Zoom, Microsoft Teams, Google Meet, Slack...)

Schedule MANDATORY weekly check-ins with the MedTech Talent Accelerator team (10-15 minutes each):

- Please [use this Calendly link](#) to **schedule 1 meeting per week** (3 total) for the following date ranges:

Week 1: January 30th to February 3rd, 2023

Week 2: February 6th to February 10th, 2023

Week 3: February 13th to February 16th, 2023

For OPTIONAL Mentor Connections (to ask Mentors your questions):

- Contact jesse.ehrlick@mcgill.ca to forward your questions and meeting requests

Detailed Schedule for Participants

<u>Time</u>	<u>Item</u>	<u>Description for Participants</u>
Week 1		
Monday, January 30th, 2023		
12:00 PM – 2:00 PM (EST)	Problem Introduction – Presented by Klick Applied Sciences and clinical collaborators On Zoom: Link HERE	<ul style="list-style-type: none"> ○ Introduction of the industry challenge ○ General timeline and instructions ○ Q&A
Monday, January 30th to Friday, February 3rd, 2023		
Team time (5-10 hours, recommended)	Solution Outline	<ul style="list-style-type: none"> ○ Team meetings ○ Outline your proposed solution ○ Schedule your mandatory weekly check-in with the MedTech team

As scheduled / per question	Mentor Connections (optional)	<ul style="list-style-type: none"> ○ Meetings with mentors as coordinated by the MedTech team ○ Personalized or general responses from mentors to individual questions <p>>> Contact jesse.ehrlick@mcgill.ca to forward questions and meeting requests to mentors</p>
Week 2		
Monday, February 6th to Friday, February 10th, 2023		
Team time (5-10 hours, recommended)	Solution Development	<ul style="list-style-type: none"> ○ Team meetings ○ Research and develop your solution to the hackathon challenge ○ Outline your final presentation ○ Schedule your mandatory weekly check-in with the MedTech team
As scheduled / per question	Mentor Connections (optional)	<ul style="list-style-type: none"> ○ Meetings with mentors as coordinated by the MedTech team ○ Personalized or general responses from mentors to individual questions <p>>> Contact jesse.ehrlick@mcgill.ca to forward questions and meeting requests to mentors</p>

Monday, February 6th	Special Seminar (12PM-1PM EST) On Zoom: Link HERE	<ul style="list-style-type: none"> ○ <u>Presenter</u>: Dr. Noreen Kamal, Assistant Professor, Department of Industrial Engineering, Dalhousie University
Friday, February 10th	Special Seminar (1:30PM-2:30PM EST) On Zoom: Link HERE	<ul style="list-style-type: none"> ○ <u>Presenter</u>: Dr. Eddy Lang, Academic Department Head and Professor, Department of Emergency Medicine, Cumming School of Medicine, University of Calgary; Clinical Department Head for Emergency Medicine, Calgary Zone, and Alberta Health Services; Senior researcher, Alberta Health Services
Week 3		
Monday, February 13th to Thursday, February 16th, 2023		
Team time (5-10 hours, recommended)	Final Pitch Development	<ul style="list-style-type: none"> ○ Team meetings ○ Finalize your solution to the hackathon challenge ○ Develop your final pitch and supporting documentation for judging at the final event (Nov 19th) ○ Schedule your mandatory weekly check-in with the MedTech team
As scheduled / per question	Mentor Connections (optional)	<ul style="list-style-type: none"> ○ Meetings with mentors as coordinated by the MedTech team ○ Personalized or general responses from mentors to individual questions

		>> Contact jesse.ehrlick@mcgill.ca to forward questions and meeting requests to mentors
Thursday, February 16th, 2023		
11:59 PM (EDT)	Pitch Submission Deadline	Deadline to submit presentations via email to medtech@talent-accelerator.com
Friday, February 17th, 2023		
12:00 PM – 2:30 PM (EDT)	Final Pitches On Zoom: Link HERE	Live presentations to judges and audience ○ Presentations + Q&A
2:30 PM – 2:50 PM (EDT)	Deliberations	Judges deliberate
2:50 PM – 3:00 PM (EDT)	Awards & Closing Remarks	Announcement of the winning solution

Awards (split between team members):

- **1st place: \$2,500**
- **2nd place: \$1,500**
- **3rd place: \$1,000**

Judges:

- **Yan Fossat**, Vice President, Principal Investigator, Klick Labs
- **Dr. Antony Robert**, Assistant Professor, Emergency Medicine, McGill University; Assistant Director, ED Information Technology @ MUHC
- **Dr. Prashant Phalpher**, Staff Physician, Emergency Medicine, William Osler Health System; Assistant Clinical Professor, Family Medicine, McMaster University; Head of Strategy, FirstHx

Mentors:

- **Jaycee Kaufman**, Research Scientist at Klick Labs, Modelling and Computational Science
 - Expertise: in mathematical modeling of biological systems and analysing biomedical signals.
- **Anirudh Thommandram**, Engineering Lead, R&D at Klick Labs
 - Expertise: biomedical sensors and medical device development. Interests cover electronics, software design, and signal analysis.
- **Jessica Oreskovic**, R&D Engineer at Klick Labs
 - Expertise: medical device prototyping, biomedical signal processing and bioinstrumentation.
- **Dr. Ryan Tam**, Emergency Medicine Physician, Credit Valley Hospital
- **Dr. Wayne Choi**, Emergency Medicine Physician, Fraser Health Authority
- **Dr. Rafael Aroutiunian**, Assistant Professor, Emergency Medicine, McGill University (Jewish General Hospital)
- **Dr. Stephen Rosenthal**, Emergency Specialist, Jewish General Hospital
- **Dr. Marc Beique**, IT director, Emergency Department, McGill University Health Centre

Live Presentation Schedule / Order (to be updated prior to the Final Pitch day)

<u>Time</u>	<u>Presenting Team</u>