Dalla Lana
School of Public Health

Temerty Centre for AI Research
and Education in Medicine
UNIVERSITY OF TORONTO

AI for Population Health and Health Systems Implementation Grant

Call for Proposals

2023 – 2025

Overview:

Grant Value	Up to $150,000 ($75,000/year for two years)
Grant Duration	Up to two years (April 1, 2023 – March 31, 2025)
Theme Area	Implementation of artificial intelligence (AI) applications to improve population health and health systems
Application Deadline	February 9, 2023 @ 5pm
Application Procedure	Proposals are to be submitted as a single PDF file with the application form and 3-page CVs of PIs to pophealthanalytics.dlsph@utoronto.ca with the subject line: "AI Implementation Grant Application"

Purpose

One of the five _priority research areas_ at the Dalla Lana School of Public Health (DLSPH) is to **use data sciences, artificial intelligence and emerging technologies in informatics and analytics to improve population health and health systems performance**. The DLSPH Interdisciplinary Data Science Research Cluster (IDRC) supports initiatives to engage multidisciplinary teams of researchers and partners to advance innovative and impactful research to improve health systems and the health of populations.

The Temerty Centre for AI Research and Education in Medicine (T-CAIREM) at the Faculty of Medicine is an interdepartmental Centre that serves as a focal point for collaboration among healthcare providers, trainees, researchers, computer scientists, engineers, and industry. Their goal is to transform health through AI.

In partnership with T-CAIREM and DLSPH, the goal for this award is to support the implementation of AI applications that will enhance population health and health systems. Funding is available for **one (1) project.**

Eligibility

- The lead PI must have a research appointment with the Dalla Lana School of Public Health and be eligible to hold tri-council agency funds (e.g., CIHR, SSHRC, NSERC)
- A co-PI or co-applicant(s) must be a T-CAIREM member
- Researchers can only be PI or co-PI on ONE submitted application. Researchers can collaborate on multiple submissions
- Priority will be given to project teams that are interdisciplinary and include PhD students and/or post-doctoral trainees

Application Content

Successful proposals should demonstrate the following criteria:

1) Overall lay summary (200 words)
2) Clearly specify the project rationale, application for implementation, project goals, and objectives. Reference any previous work and findings (max 1.5 pages; 20%)
3) Describe the intended knowledge users, potential impact of the project, and alignment with *DLSPH Data Science initiative* and *Using Big Data for Health* (max 1 page; 20%)
4) Research approach and methods (max 3 pages; 20%)
5) Research team and roles. Preference is given to interdisciplinary projects that involve graduate trainees (max 500 words; 20%)
6) Project milestones and timelines (max 500 words; 10%)
7) Feasibility, research environment, and budget justification. We welcome projects augmenting current research funds, partnerships, or matching (cash or in-kind) to demonstrate commitment to the project. Funds can be used to support student RAs, student stipends, data access and storage, conferences, open access fees, etc. Eligible expenses must align with the University of Toronto's Guide to Financial Management (max 500 words; 10%)
8) References

Submission process

Submissions should be saved as a single PDF file with the name of the PI eligible to hold research funds at DLSPH. Please save the file as [DLSPH PI Last name, First name AI Implementation Grant Application], which includes the following:

1) Completed application form here
2) Abbreviated CV (maximum of 3-pages) of co-PIs combined into a single PDF
   - NIH Biosketch format is recommended, including: 1) Brief Personal Statement; 2) Positions and Honours; 3) Contributions to Science (Publications, Presentations, Abstracts, Reports); and 4) Additional Information (Research Support). A sample template is available here.

Completed applications are to be emailed to pophealthanalytics.dlsph@utoronto.ca by **5pm on Thursday, February 9, 2023**. Please include the subject line as "AI Implementation Grant Application".

Adjudication process

An adjudication committee composed of representatives from DLSPH, T-CAIREM, and Data Science experts will review proposals received by the submission deadline against program criteria. Decisions will be reported by the end of March 2023.

Reporting

A brief summary of the project progress and deliverables is due on March 15, 2024, to be reviewed before the Year 2 funds are released. The team will be invited to present their project and related findings at a future DLSPH/T-CAIREM speaker event. A final summary report must be submitted at the end of the project funding period (within 2 months).

For program queries, contact Lori Diemert, Data Science IDRC Operational Lead, lori.diemert@utoronto.ca.