Graduate Diploma in Health Research PROGRAM – 2018

SUPERVISOR & PROJECT INFORMATION FORM

Please complete and return via email only (gdip.hres@utoronto.ca) by September 4, 2018 (forms received after this date will not be posted).

Supervisor Information

Name: Dennis Ko
Email: Dennis.ko@ices.on.ca

Degree(s): MD, MSc
SGS Department: IHPME

Academic Rank: Associate professor
Field of Research: Cardiology, health services, epidemiology, outcomes

Research Institution Affiliation (if applicable):

Sunnybrook Research Institute, Institute for Clinical Evaluative Sciences

Allocation of student contact time: 2-4 hours
(number of hours per week YOU are available to the student for any concerns or to review progress)
**Project Information** (for posting on GDipHR website)

**Title:** Improving Transition of Care and Outcomes of Cardiovascular Disease Using an Innovative Big Data Approach

Description (max 500 words):

**Rationale**

Despite significant advancements in prevention and management, cardiovascular disease (CVD) patients continue to be at risk for serious adverse outcomes after their initial event. For example, patients with acute coronary syndrome have ~10% chance of dying and ~40% chance of readmission to hospital within one year after their initial hospitalization. Recent data demonstrated that such outcomes may be attributed to suboptimal transitions of care, generally defined as the coordination and continuity of care during the movement of patients from one healthcare setting to another (e.g. hospital to home or emergency department to home).

**Research aims**

Our main aims of the research program are:

- Characterize transition of care and identify determinants of optimal care for CVD populations
- Predict adverse outcomes for CVD patients undergoing care transitions
- Create a learning health system to translate knowledge and improve transitional care for CVD patients

If human subjects are involved, have the appropriate Research Ethics Board approvals been obtained?

- [X] YES  ☐ NO  ☐ Application Submitted  ☐ N/A

Do you expect this work will be published within the 20 months?

- [X] YES  ☐ NO  ☐ Uncertain
**Student’s roles and responsibilities** (please be as specific as possible):

Our group is currently aiming to improve the aspects of transitional care in patients with cardiovascular disease. This foundation grant has a 7 year timeline.

The students will be involved aspects that would be most interested and align with their future goals. The main objective for the student will be to take a sub-projects of this grant from the beginning to its completion.

1. The student will generate ideal of interest regarding transitional care and cardiac patients
2. Perform systematic review of the literature
3. Derive an analytical plan for the data analysis
4. Draft abstract and manuscript as the primary author
5. Involve in knowledge translation efforts after its publications

*Please indicate who will serve as the student’s direct report for daily oversight (PI, PhD student, technician, etc...):*

The students will be supervised with Dr. Dennis Ko. The team of Dr. Ko will also be involved in assistant the students to ensure they have adequate support.