Supervisor/Project Information Form

Due February 6, 2020 by email to crems.programs@utoronto.ca

**Supervisor Name:** Lianne Singer

**Project Title:** Do geographic and linguistic barriers affect outcomes of solid organ transplantation? A retrospective cohort study.

**Hospital/Research Institution:** UHN/TGRI

**Email:** lianne.singer@uhn.ca

**Field of Research (2 keywords):** Transplantation, clinical outcomes

**Department:** Medicine

**School of Graduate Studies Appointment (IMS, LMP, IHPME etc)?** Yes/No: Yes

If YES, please name: IMS, IHPME

**Brief Project Description (<300 words):** Care of transplant patients is complex, requiring frequent and detailed assessment and communication. Transplant services are limited to certain highly specialized centres which are geographically remote for many Canadians. Toronto is also very linguistically diverse which creates additional communication challenges. In a recent large retrospective study of frailty in 794 solid organ transplantation candidates in Toronto, we found that subjects resided a mean of 244 km from Toronto General, 15% required relocation to the GTA for transplant listing, and 6% required English interpretation.
The CREMS student will use this rich existing dataset to examine associations between language or geographic barriers and outcomes after organ transplantation including hospital length of stay, readmission rates, graft function, rejection and survival rates. The project will involve some additional chart review, data preparation, working with the research team to perform/interpret statistical analyses, writing abstracts and eventual publication. The student will also participate in subject enrolment and testing, and data collection for ongoing prospective studies to round out the educational experience.