Supervisor/Project Information Form

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

**Supervisor Name:** Dr. Istvan Mucsi

**Project Title:** Electronic patient reported outcome measures to guide systematic symptom and distress management among kidney transplant recipients

**Hospital/Research Institution:** University Health Network – Toronto General Hospital

**Email:** istvan.mucsi@utoronto.ca

**Field of Research (2 keywords):** Epidemiology, Patient Reported Outcomes

**Department:** Division of Nephrology, Multi-Organ Transplant Program, Department of Medicine

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

**If YES, please name:** IMS.

**Brief Project Description (<300 words):**
Solid organ transplant recipients (SOT) and professionals repeatedly identified management of physical and emotional symptoms as key priorities. Up to 40% of SOT recipients suffer from manageable emotional (depression, anxiety) and physical (chronic pain, fatigue) symptoms that impair their quality of life. Distress and symptom burden are also risk factors for non-adherence and poor clinical outcomes. Better addressing physical and emotional symptoms will improve adherence, quality of life and clinical outcomes. Patient reported outcome measures (PROMs) quantify physical and emotional symptoms. Electronic capture of PROMs (ePROMs) enables real-time evaluation of results. The Patient Reported Outcome Measurement Information System (PROMIS) computer adaptive testing (CAT) item banks have been developed by the NIH to assess domains that are relevant across chronic conditions. CAT improves measurement precision while reducing questionnaire burden. In this project we will develop a patient-centered ePROM assessment and response toolkit, and pilot test the feasibility of a trial with this toolkit to improve outcomes for kidney transplant recipients.

CREMS student’s role: Literature review; enrolling patients; organize focus groups; data entry and analysis using STATA; preparing abstracts; posters for conferences; writing manuscripts.