



RESEARCH SCHOLAR PROGRAM – 2018

SUPERVISOR & PROJECT INFORMATION FORM

Please complete and return, via email only (crems.programs@utoronto.ca) by **November 3rd 2017** (*forms received after this date will not be posted*).

Supervisor Information

Name: ZHONG CHENG, LUO

Email: Zhong-Cheng.Luo@sinaihealthsystem.ca

Degree: PhD

SGS Appointment (IMS, IHPME, LMP etc.): IHPME

Academic Rank: Associate Scientist

Field of Research: Perinatal Epidemiology

Research Institution Affiliation (if applicable): Lunenfeld-Tanenbaum Research Institute /Obstetrics Gynecology, Mount Sinai Hospital

Allocation of student contact time (number of hours per week YOU are available to the student for any concerns or to review progress):

2 hours/week

Project Information

Title: Adverse fetal growth and impacts on metabolic and neurodevelopmental health in infants

Description (max 500 words):

The 3D fetal growth study is part of the 3D (design, develop, discover) birth cohort platform team project “Integrated Research Network of Perinatology in Quebec and Eastern Ontario (IRNPQEO)” originally funded by the Canadian Institutes of Health Research clinical research initiative. This pregnancy/birth cohort includes 2366 pregnant women recruited in the 1st trimester of pregnancy, with data and specimens on the women at the follow-ups each trimester of pregnancy, and the infants at birth, 3 months, 1-year and 2-years of age. The 3D fetal growth was designed to address the causes, metabolic and neurodevelopmental consequences of adverse fetal growth including fetal growth restriction (SGA) and fetal overgrowth (LGA).

If human subjects are involved, have Ethics been obtained?

YES

NO

Application Submitted

N/A

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

YES

NO

Uncertain

Student’s roles and responsibilities (please be specific)

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

The student is expected to have unique access to the data in the 3D fetal growth study, under the supervision of the PI (Dr. ZC Luo). The student is expected to conduct literature review, select a research topic taking advantage of the rich research data in the study, conduct data analysis, and draft a manuscript for publication. The student is expected to participate in the PI’s ongoing research project activities at the Mount Sinai Hospital.