Supervisor & Project Information Form

Please complete and return via email ONLY to gdip.hres@utoronto.ca by

Monday, November 2, 2020

Supervisor Information

MUST have unrestricted SGS appointment (appointment to supervise graduate students)

<table>
<thead>
<tr>
<th>Name: Zhong-Cheng, LUO</th>
<th>Email: <a href="mailto:zcluo@lunenfeld.ca">zcluo@lunenfeld.ca</a></th>
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</thead>
<tbody>
<tr>
<td>SGS Department: Obstetrics and Gynecology, Faculty of Medicine; and Institute of Health Policy, Management and Evaluation (IHPME), School of Public Health</td>
<td>Field of Research: Perinatal and pediatric epidemiology; Developmental origins of metabolic syndrome</td>
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<tr>
<td>Research Institution affiliation (if applicable): Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, U. Toronto</td>
<td>Location of Work: Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital, Toronto</td>
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<tr>
<td>Student contact time (number of hours per week YOU are available to the student for any concerns or to review progress:</td>
<td>1 hour/week</td>
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Project Information (will be posted on GDipHR website for student access)

TITLE: Adverse fetal growth, and developmental origins of metabolic syndrome related disorders

DESCRIPTION (MAX 500 WORDS):

Adverse (poor or excessive) fetal growth confers an elevated risk of developing metabolic syndrome related disorders (obesity, diabetes and hypertension) in adulthood. The research
Graduate Diploma in Health Research Program – 2021/2022

program is aimed to understand perinatal determinants of such developmental origin of the vulnerability to metabolic syndrome related disorders. Main outcomes of interest are metabolic and cardiovascular health indicators in the infants/children. We have developed two birth cohorts with rich data and biomarkers for our studies. Current research goal is to identify early life determinants and biomarkers of intrauterine metabolic programming impact on the offspring.

If human subjects are involved, have the appropriate Research Ethics Board approvals been obtained?
☐ Yes    ☐ No    ☐ Application Submitted (Date: _________________)

Do you expect this work will be published within the 20 months?
☐ Yes    ☐ No    ☐ Uncertain / Other

**Student Roles & Responsibilities (please be as specific as possible)**

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

The student may be involved in a research topic within the research program. Responsibilities may include but not limited to: 1) literature review on the research topic; 2) data analysis and interpretation in collaboration with the research team; 3) preparation of a study report or manuscript for publication.

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

The PI.

*Indicate to what extent the student’s research activities could, if necessary, be completed remotely.*

Most of the work can be completed remotely.