

Supervisor & Project Information Form

Please complete and return via email ONLY to gdip.hres@utoronto.ca by **Monday September 30, 2019**

Supervisor Information

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

Name: Lena Serghides	Email: lena.serghides@utoronto.ca
SGS Department: Immunology and Institute of Medical Sciences	Field of Research: HIV, antiretrovirals, and pregnancy
Research Institution affiliation (if applicable): Toronto General Hospital Research Institute	Location of Work: PMCRT, 101 College St
Student contact time (number of hours per week YOU are available to the student for any concerns or to review progress: 2 hours	

Project Information (will be posted on GDipHR website for student access)

TITLE: Biomarkers of adverse birth outcomes in pregnant women living with HIV on antiretroviral therapy

DESCRIPTION (MAX 500 WORDS):

Antiretroviral therapy (ART) is recommended for all pregnant women living with HIV for their own health and to prevent perinatal HIV transmission. While the benefits of ART are undeniable, pregnant women on ART are more likely to have an adverse birth outcome. The AAPH cohort is a cohort of HIV+ and HIV- women that were followed throughout pregnancy. Blood samples and clinical info was collected throughout pregnancy. Samples were used to assess levels of several inflammatory and angiogenic biomarkers. This project will involve completing additional assays for biomarkers using ELISA or multiplex methods. In addition, the student will be responsible for collating all data and performing analyses to determine if differences exist between group by HIV status, type of ART exposure, and if any of the factors are predictive of birth outcomes. The student will also be responsible for drafting the manuscript resulting from their analyses. Knowledge of statistical methods including modeling is an asset.

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 will report to a postdoc and Dr. Monica Guzman (the lab manager) for daily oversight.