Zambia Hub

To give more focus to the School's global work, we are establishing a small number of geographic hubs to increase students' skills. A consistent presence at particular sites, working with a select group of partners, will allow us to provide quality experiences and deliver on strategic themes to improve public health. For summer 2019, we are pleased to partner with UNC Global Projects Zambia to offer five placement opportunities for UNC Gillings residential MPH students. We expect to award up to $5,000 per student.

Position title: Research internship

Number of positions: 1

Short project description: FAMLI (Fetal Age and Machine Learning Initiative) is an obstetric ultrasound project in which algorithms are trained to identify and measure fetal structures, improving automated calculation of gestational age and other diagnoses. It is hoped to reduce the skilled human capital required to operate ultrasound devices, allowing for greater access to obstetric ultrasound in low-resource settings, particular in low- and middle-income countries.

Roles and responsibilities of intern: Annotating and identifying fetal structures, which creates the ground truth from which the algorithm will learn. We will also require assistance with data transfers and uploading ultrasound data to the cloud.

Expected outputs: Student will be able to benefit from 1) the opportunity to improve maternal and neonatal morbidity worldwide, 2) participation in calls with the Bill and Melinda Gates Foundation, Google, and Butterfly, and 3) the option to visit the clinical sites in Zambia where these obstetric ultrasounds are being collected.

Skills or experience required:
- Current UNC Gillings residential MPH student
- Basic computer experience and willingness to learn how to interpret basic obstetric ultrasound with the mentorship of an obstetrician-gynecologist (who will be available for guidance).

Supervisors: Dr. Jeffrey Stringer, Dr. Alan Rosenbaum

Location: Chapel Hill, NC and Lusaka, Zambia
Minimum duration required: 8 weeks, expected 6 weeks in Chapel Hill and 2 weeks in Zambia

How to apply:
If you are applying to multiple positions, please do not apply until you have ALL cover letters written and ready to upload for each position.

1. Fill-out the online application form and upload the materials below to the form:
   - Cover letter for each position you are applying (If applying to multiple positions, please write a cover letter for each position)
   - CV/Resume (If applying to multiple positions, only upload it once)

2. Faculty Evaluation: Please identify a UNC Gillings faculty member who is able to evaluate you on the specific skills listed in the position description(s) you are applying for. Please tell the faculty member which position(s) you are applying for. If applying to multiple positions, the faculty member only needs to complete one evaluation form (they will evaluate you for all your positions on one form).
   - Send the Faculty Evaluation Form link to the faculty member: https://unc.az1.qualtrics.com/jfe/form/SV_38cU7Q2V9zwfYVv

Questions?
Please contact Naya Villarreal at naya@unc.edu.