Welcome to the Lemas Lab! The goal of this NIH-funded project is to characterize the functional relationships between breastfeeding, the gut microbiome, and pediatric obesity. Briefly, the Breastfeeding and Early Child Health (BEACH) study is focused on leveraging un-targeted metabolomics to identify human milk compounds that stabilize a healthy infant microbiome and are associated with infant growth during a critical window of development. The translational impact of this project is to develop low-cost dietary interventions for pregnant overweight/obese mothers that target microbial-derived compounds in human milk with therapeutic potential to attenuate the transmission of obesity risk from mother to child.

Each volunteer is expected to fulfill all assigned research tasks, propose relevant ideas and solutions pertaining to existing systems, effectively communicate with the rest of the team, and may be asked to present their findings during/after their time involved with the project.

Instructions
Please complete the volunteer packet in its entirety, using the demo packet for reference as to how it needs to be completed. Additionally, please complete the training as described in the instructions that follow:

To complete the UF MyTraining Courses

1. Search 'My UFL training' and you should find the webpage. Click on "access MyUFL" and log in using your GatorLink username and password.
2. Once on the main homepage, click on the three bars in the right-hand corner and select "Main Menu".
3. Select "My Self Service", "Training and Development", and "my Training", you should be brought to the training homepage.
4. Click on the magnifying glass and search "HIPPA General Awareness" and select the HIPPA & Privacy-General Awareness. (The code at the bottom is UF_PRV800_OLT if you want to enter this in the search bar instead)

Courses to complete and save completion certificates in MyUFLTraining:

1. HIPPA General Awareness - UF_PRV800_OLT
2. IRB Training - UF_IRB803v_OLT
3. Billing Compliance Training for Clinical Providers, Residents, Students, and other Applicable Staff - UF_PBC809v_OLT.
4. BBP/BMW General Training (1.5)- UF_EHS850G_OLT

   Note: You need to complete the Training and Vaccination Acceptance/Declination Statement form linked in the training; you can either accept or decline the HBV vaccination offered through UF (not necessary at this time)

To complete UF CITI Training:

1. Search 'My UFL training' and you should find the webpage. Click on "access MyUFL" and log in using your GatorLink username and password.
2. Once on the main homepage, click on the three bars in the right-hand corner and select "Main Menu".
3. Select "My Self Service", "Training and Development", and "CITI Training"
4. Select "Agree and Continue to CITI"
5. Under "Institutional Courses", find University of Florida, and click "View courses"
6. At the bottom of the page, find "Learner tools for University of Florida", and select "Add a course"
7. There should be a lot of questions on this page. Find Question 3 and select "Group 1: IRB-01 Mandatory Training". Question 6 select "not at this time". Question 9 select "not at this time". Click submit at the bottom of the page.
8. Now, under Courses Ready to Begin, the course: Group 1: IRB-01 Mandatory Training should be there. Complete the course and download the completion certificate.

To register for the IRB:

1. Search 'UF IRB' and navigate to the UF IRB homepage.
2. Under the tab "myIRB", select "Registration"
3. Open the link provided (https://my.irb.ufl.edu/uflirb/)
4. In the right-hand corner, select "login" under the blue login bar
5. Login with your GatorLink username and password.
6. From there, follow indicated instructions. For Dept Affiliations, select UF Undergraduate Student. For College/Dept, put the College of Medicine.
7. There might be trainings required: Please complete the CITI Mandatory IRB Training (Course Code H70) and IRB Training (Course Code IRB803)

Frequently Asked Questions
Is this a paid position?
No, but student researchers attending the University of Florida can apply for funding through the Center for Undergraduate Research.

How many hours a week are volunteers expected to work?
Depending on the tasks assigned each week, hours vary, though volunteers should expect to work 5-10 hours per week.

How long is this internship/volunteer project?
Volunteers in the Lemas Lab can ultimately volunteer for as long as they would like, though most volunteers/interns work with the lab for 12-16 weeks, a standard semester-long internship period.

If I wish to modify the volunteer packet in the future for the purpose of improving it, how do I go about doing so?

Unfortunately, there is no free software that allows users unlimited access to smart editing and page reorganization. Thus, it is recommended that any volunteer that wishes to edit the volunteer packet signs up for a free trial of Adobe Acrobat Pro, which permits them access to all necessary features for up to a week.

Do I need to learn any particular skills prior to working in this lab?

Not necessarily, as all volunteers will learn by completing tasks, though it is recommended that volunteers take some time to learn about programming in R, in addition to reading some of the papers that Dr. Lemas has written.

Contact Information

Interns will be supervised by Dr. Dominick Lemas, who can be contacted via email at djlemas@ufl.edu, as well as Ruben Zapata (rzapata@ufl.edu).

Resources for Review

https://hobi.med.ufl.edu/profile/lemas-dominick/
https://lemaslab.github.io/people/dominick_lemas/index.html
https://scholar.google.com/citations?view_op=view_citation&hl=en&user=gxXbEZgAAAAJ&citation_for_view=gxXbEZgAAAAJ:kNdYIx-mwKoC