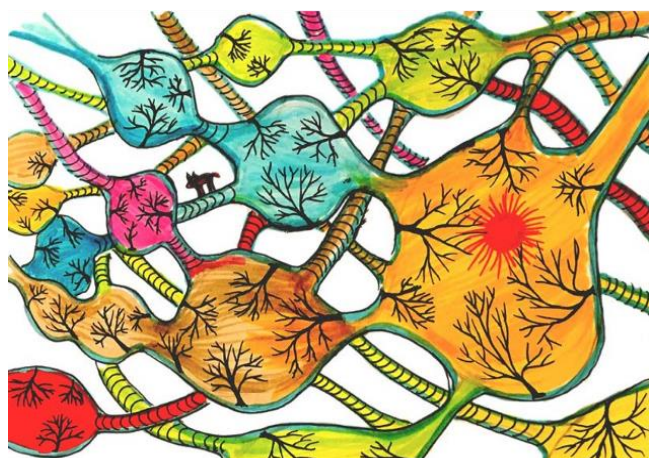# The 2020 One Health Codeathon @ USF
"Host-Microbiome Interactions in Global Health"
February 26th - 28th, 2020

The One Health Codeathon at USF* serves to bring together a diverse set researchers and clinicians, including students, faculty, and postdocs, for an intense 3-day data science focused hackathon.

Transdisciplinary teams will integrate their skillsets in order to solve emerging problems related to human and environmental health in a global setting.

Location: The One Health Codeathon at USF will be held in the USF Library (4101 USF Apple Dr, Tampa, FL 33620). The event will be in the Grace Allen Room and Florida Studies room, located on the 4th floor of the library.

Expectations: Each team — consisting of specialists in data sciences, microbiomes, health and social sciences — will work to uncover *microbiome interactions* across the globe by integrating genetics, genomics, clinical data, and geosocial sciences.

Publications:
Active participants will be included on any publications resulting from the 3-day event. **Two papers were produced from the previous event!*

Open-Source Prototypes:
Each team will produce a public GitHub repository for their work which will enable dissemination and future development.

Long-Term Collaborations:
New transdisciplinary research networks will form and continue to collaborate on research grants and publications after the event ends.

Schedule: The 3-day codeathon will begin the morning of Wednesday, February 26th with a series of talks regarding the event, its purpose, and the significance of the problems being investigated. Teams will initiate work on their projects Wednesday afternoon and will have the entirety of Thursday along with Friday morning to complete their work. Each team will present their work Friday morning and an award will be given based on the evaluations of an external review panel.

Feb 26th

9:00 – 9:30 am
Coffee & registration

9:30 – 10:00 am
Presentation by Elizabeth Miller on evolutionary and anthropological dimensions of microbiomes

10:00 – 10:30 am
Presentation by Ren Tao on Geo Datascience

10:30 – 11:15 am
Coffee break and team get-together

11:15 am – 12:00 pm
Team meet-up

12:00 – 1:00 pm
Lunch

1:00 – 4:00 pm
Codeathon

4:00 – 4:30 pm
Day one round up

4:30 pm (optional)
Additional coding time

Feb 27th

9:00 am – 11:00 am
Codeathon

11:00 am – 12:00 pm
Team briefing

12:00 – 1:00 pm
Lunch

1:00 – 4:00 pm
Codeathon

4:00 – 4:30 pm
Day two round up

4:30 pm (optional)
Additional coding time

Optional Dinner (TBD)

Feb 28th

9:00 am – 11:00 am
Codeathon

11:00 am – 12:00 pm
Final presentations

12:00 – 12:15 pm
Judge Deliberation

12:15 – 12:30 pm
Awards