Greetings Epi On The Island Workshop Participants!

We are writing to introduce ourselves and provide additional information regarding our workshop on Analyzing, Interpreting and Presenting Microbiome-Resistome Data. We are excited to meet you (in-person or virtually) on June 17th, and thought some additional information might be welcomed as you prepare for our first session.

Our Team has taught similar workshops many times in the past 7 years using virtual, hybrid and in-person formats. Previous participants have found it to be extremely useful, and we even use this short course as an introduction for our own students! The group that will be teaching this particular course includes scientists from the Noyes Lab at the University of Minnesota (<https://www.thenoyeslab.org>) NoyesLab and the VERO Research team at Texas A&M University ([https://VEROresearch.org](https://veroresearch.org)). You can learn how our current and previous published research uses the methods we will be teaching you by visiting these sites.

The names and email addresses for the 6 workshop instructors of this workshop are listed below:

* Enrique Doster, on-site instructor. **Email:** enriquedoster@tamu.edu
* Peter Ferm, virtual instructor. **Email:** fermx014@umn.edu
* Tara Gaire, virtual instructor. **Email**: tgaire@umn.edu
* Paul Morley, on-site instructor. **Email:** [pmorley@cvm.tamu.edu](mailto:pmorley@cvm.tamu.edu)**, cell**: 970-219-6089
* Noelle Noyes, on-site instructor. **Email:** [nnoyes@umn.edu](mailto:nnoyes@umn.edu), **cell**: 617-953-7837
* Lee Pinnell, on-site instructor. **Email:** ljpinnell@cvm.tamu.edu

We will send a complete agenda for the workshop the week before the course.

One of the goals of the workshop is to help establish a "cohort" of people who are also performing metagenomic analysis, and to put you in contact with each other and with the workshop instructors. This is really helpful after the workshop, when you go home and want to analyze your own data -- you can reach out to this group of people for troubleshooting or for input on your analysis, for example. To start making these connections, we've established a Slack group for the workshop. **If you want to join the slack and say "hi" prior to the workshop, here is the link:** <https://join.slack.com/t/epiontheislan-eta5016/shared_invite/zt-2jfh6zfkz-JCH84ZaC76O4qiFBDyWpDQ>

**There is no mandatory preparation for the workshop**, but here are some things to do and/or read that can help you get ready for maximum benefit from the course.

**NOTE:** If you have no experience with command line coding or use of R and R studio, we strongly recommend that you complete the tutorials listed before the course. We will work to ensure that everyone is up to speed during the course, but if you have no prior experience, these help ensure you are at a good starting placeAlso.

* **Introductory coding tutorials:**
  + **Shell and command line coding**:
    - <https://learn.datacamp.com/courses/introduction-to-shell> - Chapter 1 *(requires a user account, but it is FREE)*

–OR–

* + - <https://swcarpentry.github.io/shell-novice/> *(no registration required)*
  + **R and R studio**:[https://learn.datacamp.com/courses/free-introduction-to-r - Chapter 1](https://learn.datacamp.com/courses/free-introduction-to-r%20-%20Chapter%201) *(requires a user account, but it is FREE)*
* Paper describing the resistome pipeline and database: [MEGARESv3](https://academic.oup.com/nar/article/51/D1/D744/6830666?login=false)
* Online resistome database and additional information: <https://megares.meglab.org/>
* Here is [a list](https://pubmed.ncbi.nlm.nih.gov/?linkname=pubmed_pubmed&from_uid=36382407) of recent papers from our groups and others that have used the pipeline and database to investigate metagenomic sequencing data. Some direct links include:
  + <https://www.cell.com/cell/pdf/S0092-8674(21)00585-7.pdf>
  + <https://pubmed.ncbi.nlm.nih.gov/35246246/>

Please feel free to email us directly if you have any questions or just want to introduce yourself prior to the workshop.

We look forward to seeing you on June 17th!

Enrique, Lee, Noelle, Paul, Peter, Tara