Resources for Mining & Interrogating Large-Scale (Genomic and) Epidemiological Datasets

14 November 2019

ISCB-Africa ASBCB 2019 | Kumasi, Ghana

Time	Topic	Speaker(s)
9 - 9:30AM	**Introductions & Background:** VEuPathDB Genomics Resources; ClinEpiDB Epidemiology Resources; Open Data Rationale & Experience	David Roos
9:30 - 10:15AM	**Introductory Demonstration & Hands-On Intro to ClinEpiDB** *Getting everyone logged in, so we all start on the same page.*	Brianna Lindsay
10:15 - 11:00AM	<u>**Interactive session I**</u>**: Using ClinEpiDB to conduct exploratory data analysis** Guided walk-through with participants following along step by step, brief to-do at end	Brianna Lindsay
11:00 - 11:30AM	**Break**	
11:30 - 1:00PM	<u>**Interactive session II**</u>**: Free exploration of longitudinal cohort and case control datasets** Start with an introduction to a specific strategy; participants to modify as desired based on interests in different regions, pathogens, outcomes. Work on questions you can answer on your own! Ex. Pick region you're most interested in and a pathogen you're most interested in and ask how many attributable cases. Ask about another pathogen? Exercises to walkthrough.	Brianna Lindsay
1:00 - 2:15PM	Lunch	
1:45 - 2:30PM	<u>**Interactive session III**</u>**: Global malaria datasets** Comprehensive overview of ICEMR data	David Roos
3:15 - 3:45PM	**Break**	
3:45 - 4:30PM	<u>**Interactive session IV**</u>**: Additional Resources: ClinEpiDB Data Downloads, MicrobiomeDB**	David Roos
4:30 - 5:00PM	**Concluding discussion:** Data access & release policies, Add'l datasets, Synergistic platforms, Future opportunities, *etc*	