



Bioinformatics PowerTalk Seminar Series

Welcomes



Elliot Lefkowitz, PhD

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Translational Science

“Keeping the ‘Bio’ in Bioinformatics: Optimizing analytical approaches to support biological understanding “

Abstract:

The data we work with and the analyses we perform are exceedingly complex. How do we know when we have obtained the correct answer? How do we even know what the correct answer is? How do we know when we have screwed up, and how do we know when we could have done better? These questions must be asked at the onset of any research project and the answers (or at least the path we take to finding the answers) must be an integral part of our overall research plan. This is especially true for bioinformatics, given the ease at which errors may result from the analysis of the large, complex datasets we work with, and the difficulty in determining the best approach to use for analysis. I will talk about our research collaboration with the UAB Division of Infectious Diseases, to develop more refined, validated analytical methods to help better understand the development and progression of bacterial vaginosis in woman. Our goal is to more accurately assess the microbial population of the vaginal tract and the chain of events leading to the dysbiosis of this population and the development of disease.

Zoom link: <https://uab.zoom.us/j/491849069>

Friday, 2/22/2019 at 10:15 AM

Finley Kaul Conference Center

Kaul Human Genetics Building, 720 20th Street South

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