

***The Big in Big Data: Breakthrough Discoveries, Disease
Disparities, and Precision Medicine***
Wednesday & Thursday, November 7-8, 2018
Philadelphia, PA

Learning Objectives:

At the conclusion of this symposium, participants should be able to:

- Identify specific modules of importance to different disease states, and how this molecular biology is shaped by factors including sex, age, race, etc.
- Explain how big data analyses can help recognize events at the molecular level that affect different disease states.
- Discuss the anticipated impact of big data on the ability to implement more accurate diagnoses, improved prognoses, and the design of novel/alternative therapies.
- Summarize the key attributes of new molecular categories of important regulatory molecules with numerous members that are affected by patient attributes such as sex, age, race etc.
- Describe the power of the mitochondrion to regulate cellular processes and how these processes differ in different disease settings.
- Describe how to utilize the existing and emerging computational tools and available databases to identify molecules of interest in different disease settings.
- Assess their individual practice in light of the information and discussions during the course, and identify specific strategies to implement as part of a continuing improvement process for their practices.