

"Big Data Analysis in Cancer Genomics: Quantitative Approaches and Quantitative Careers"

Over the past 15 years, a substantial part of cancer research has become intensely quantitative. Driven by the Human Genome Project in tandem with biotechnology advances, cancer genomics research now draws heavily from mathematics, statistics, and computer science. In this talk, I will give a general overview of some of the technologies underpinning the deluge of genomic data, and give personal vignettes from my own research in which quantitative techniques have been crucial for making sense of such complex data. I will also touch on some career paths that have emerged relatively recently for individuals trained at the interface of computational/quantitative sciences and biology.



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MATH MONDAY - OCTOBER 22, 2018 - 3:10 pm

Franklin Miller, Jr. Lecture Hall

Hayes 109