

**BIOINFORMATICS 2018 Spring SEMINAR SERIES**

Hosted by: Department of Computer and Information Sciences,
Department of Electrical and Computer Engineering &
Center for Bioinformatics and Computational Biology
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MONDAY, February 12, 2018**3:30pm****DBI Room 102****Gene Mutations & Cancer - The Rest of the Story*****Bruce Boman******Director, Cancer Genetics and Stem Cell Biology******Center for Translational Cancer Research******Helen F Graham Cancer Center and Research Institute******Associate Professor of Biological Sciences, University of Delaware*****ABSTRACT:**

From the perspective of geneticists, cancer is caused by gene mutations. In fact, based on The Cancer Genome Atlas Project, any given cancer carries large numbers of mutations and other molecular alterations – hundreds to thousands of somatic mutations are often identified in a single cancer. From the pathologists' perspective, on the other hand, cancer is caused by tissue disorganization. Indeed, cancer diagnosis universally rests on microscopic evidence of tissue disorganization, invasion and metastasis. This talk will tell “the rest of the story” by discussing mechanisms that fill the gap between the pathologists' and the geneticists' perspectives on cancer.