



**BIOINFORMATICS 2015 SPRING SEMINAR SERIES**

Hosted by: Department of Computer and Information Sciences,  
Department of Electrical and Computer Engineering &  
Center for Bioinformatics and Computational Biology  
<http://bioinformatics.udel.edu/Seminars/Current>

**MONDAY, November 30, 2015**  
**3:30pm**  
**DBI Room 102**

## **Computational Approaches for Cancer – Insight into Recent Developments**

***Eric Stahlberg***

***High Performance Computing Strategy - NCI Center for Biomedical  
Informatics and Information Technology***

**ABSTRACT:** Biology has always been a science fundamentally founded in effective observation and data. Yet only relatively recently has technology converged and attained levels of capability where probing, analyzing, simulating and exploring the inherent complexity of integrated biological systems is seen to be within reach. In the case of cancer, the convergence of big data, extreme computing and advances in instrumentation to gather information about the disease have created many new opportunities with potential to move both research and precision medicine forward. The presentation will bring light to new developments and opportunities as well as highlight key challenges in the ongoing effort to reduce the impact cancer has on us all.