



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 9, 2015
3:30pm
DBI Room 102

**From Data to Knowledge: The complex relationship
between science and technology**

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ABSTRACT: The emergence of new technologies and continued exponential growth of data generated daily in the clinic and in laboratories have led to a surge in translational research opportunities for new clinical insights and treatment paradigms. Pharma, Biotech, academic, and medical research centers are all facing the arduous task of finding and mining overwhelming quantities of efficacy, safety, biomarker, and outcomes data accumulated from decades of preclinical studies and clinical trials. Despite years of focusing on information management and integration strategies, we still have less than optimal technical solutions for mining our data. Our current strategy couples Biological/Medical Science, Information Science, and Technology to go from scientific questions to knowledge and decisions. Examples of how this approach is enabling decision making in translational science will be presented, as will opportunities for cross-functional and cross-organizational collaboration.