



**BIOINFORMATICS 2015 FALL 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, October 19, 2015**  
**3:30pm**  
**DBI Room 102**

**At the Intersection of the Laboratory and Big Data:  
Systems and People in Biopharmaceutical  
Research and Development**

***Jim Brennan***  
***LabWare, Inc.***

**ABSTRACT:** The complex processes of researching and developing new medicines can generate huge amounts of data from multiple sources. The various systems that manage these data are often unfamiliar to those who will do analysis in the realm of big data. Pharmaceutical development companies may employ a number of these enterprise applications, typically from multiple vendors and, in many cases, customized for a particular laboratory workflow. Systems integration, regulatory requirements and data reporting are common challenges. Laboratory software systems used in the pharmaceutical industry will be described in the context of their contribution to extremely large data sets, along with a discussion of the custodians of these systems and data.