



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>

MONDAY, February 9, 2015

3:30pm

DBI Room 102

**Bioinformatics Core: CBCB Resources for
Informatically Enabling Your Research**

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ABSTRACT: Every field of life science research today has been impacted by the proliferation of data-intensive tools and technologies. The advent of novel DNA sequencing technologies have been at the forefront of this trend, replacing many traditional laboratory techniques with less time-consuming, increasingly cost-effective, but enormously computationally-intensive methods. The resulting explosion of biological “big data” and metadata, coupled with instant availability through the internet, provide unprecedented opportunities for quickly advancing scientific research. Many biologists would like to avail themselves of these new tools, but find themselves ill-equipped to plan and execute such experiments and especially to analyze the resulting data. The CBCB Bioinformatics Core provides computational resources, software, training, and expertise to help researchers at UD and our partner institutions to take advantage of informatically-enabled research tools. As the possible applications of such technologies are constantly evolving, CBCB provides both ready-made solutions for common applications, but also work with investigators to find customized and innovative solutions. The available resources of CBCB will be discussed, along with current research and development projects, and plans for the future.