



**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, May 11, 2015**

**3:30pm**

**DBI Room 102**

**Following the Heart:  
Computational Methods in the  
Context of Cardiovascular Conditions**

***Hagit Shatkay, PhD***

***Associate Professor***

***Department of Computer & Information Sciences***

***University of Delaware***

<http://www.eecis.udel.edu/~shatkay/>

**ABSTRACT:** Changes to the heart's structure and elasticity characterize a variety of cardiovascular conditions, ranging from Hypertrophic Cardiomyopathy in the young to diastolic dysfunction in older populations. Early detection of such conditions and ranking of their likely severity is important for prevention and for treatment. In the talk, I will discuss a few projects in which we collaborate with physicians to develop computational tools that use available clinical data for supporting early detection and diagnosis of heart disease.