

**SPECIAL SEMINAR**  
**Hosted by Wesley College**  
**and the Delaware Biotechnology Institute**

***“In Silico Environmental Toxicity Research  
Platform”***

**Gregory Banik, Ph.D.**  
General Manager  
Bio-Rad Laboratories

**2:00pm**  
**Thursday, February 8<sup>th</sup>**  
Conference Room 201  
Delaware Biotechnology Institute

**Abstract:**

This talk will describe Bio-Rad's KnowItAll Informatics System, an informatics software platform that is ideal for environmental toxicity research. KnowItAll offers access to 26 chemical datasets, including environmental toxicity and physicochemical properties. The platform also allows a research group to build its own databases. In addition, over 40 ADME/Tox predictors in KnowItAll assist researchers in the estimation of the toxicity potential of compounds and correlates structure/property relationships yet to be discovered. The new metabolomics package allows analysis of complex metabolite mixtures via NMR spectroscopy, providing the opportunity for biomarker identification.

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