



The Illinois Heartland Section of  
the American Chemical Society presents:

# “Nitrogenous metabolome of black cohosh (*Actaea racemosa*)”

by

**Dejan Nikolic**

Department of Medicinal Chemistry and Pharmacognosy  
College of Pharmacy  
University of Illinois at Chicago

Black cohosh (*Actaea racemosa*) preparations are popular dietary supplements among women seeking alternative treatments for menopausal complaints. For decades, triterpene glycosides and phenolic acids have dominated the phytochemical and biomedical research on this plant. Using mass spectrometry-based metabolomics approaches we recently discovered that black cohosh produces a remarkable diversity of alkaloids and other nitrogenous compounds. Given that alkaloids possess a variety of pharmacological activities, this discovery represent an important advance in understanding the biological profile of this plant.

7:00 p.m., Tuesday, February 16, 2016

Olin Hall 245

Bradley University

Peoria, IL