



AMERICAN CHEMICAL SOCIETY KENTUCKY LAKE SECTION

KLS-ACS 2013 Officers

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KLS-ACS Web Page

<http://kentuckylake.sites.acs.org/>

April 2013 Kentucky Lake Section Meeting Carr's Steakhouse Mayfield, KY Tuesday, April 23, 2013

Social @ 5:30, Dinner @ 6:00, Presentation @ 7:00

*Carr's Steakhouse is located at
213 West Broadway, Mayfield, KY 42066*

The price is \$10 (Students \$5)

Menu Options:

Chicken Breast or Pork Barbecue plate

Presentation: "Natural Product Synthesis: The Challenge of Accessing Mother Nature's Molecules From Scratch"

Dr. Genessa Smith

Assistant Professor of Chemistry, University of Tennessee at Martin

See Reverse Side for Abstract & Biographical Sketch

Comments from the Chair

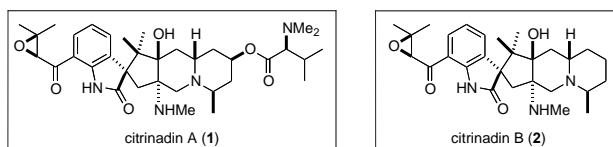
Shakespeare wrote, "April hath put a spirit of youth in everything." So this month is the month to feel young, to listen to some revitalizing chemistry, and especially to eat some barbecue. Back by popular demand, we will have this month's meeting at Carr's Steakhouse in Mayfield where barbecue is the specialty. Also, in the works is a plan to have a social outing in Jackson to see a General's game sometime this summer. So, dust your baseball gloves off and keep an eye open for an e-mail about the upcoming game. I look forward to seeing you in a couple of weeks.

~Phil Shelton, Chair

Natural Product Synthesis: The Challenge of Accessing Mother Nature's Molecules From Scratch

Abstract:

Discovered by Kobayashi and coworkers in 2004, the biologically active fungal metabolites Citrinadin A (1) and B (2) remain significant synthetic targets within the synthetic organic chemistry community.



In addition to overcoming the obstacles inherent to any natural product synthesis, it now appears that original structures of these natural products may also have been misassigned. Synthetic progress toward these fascinating natural targets will be the primary focus of the talk, with a secondary focus on bringing the challenges of total synthesis into the undergraduate arena.

Biosketch:

Dr. Genessa Smith obtained a bachelor's degree in Chemistry from Fort Lewis College in Durango, CO in 2004. After spending three years in Boston, MA working in the pharmaceutical industry, she chose to return to Colorado in 2007 and pursue a doctoral degree in organic chemistry at Colorado State University under the guidance of Professor John L. Wood.

During her time at CSU, Smith focused her synthetic efforts on the marine alkaloids Citrinadin A and B. In 2011 she was recognized with the CSU Eli Lilly Fellowship in Organic Chemistry as well as the Roche Pharmaceuticals award for Excellence in Chemistry.

Smith began her current post as an Assistant Professor at UTM last fall where she is teaching both general & organic chemistry. So far, she has one undergraduate research student with whom she is currently working toward a synthesis of the megastigmane terpenoid Laurosine B.