



American Chemical Society Wichita Section

November, 2014 Newsletter

Stephen Donnelly, Editor

Section Meeting
Thursday, 6 November, 6:00 PM
Kansas Wesleyan University
Salina, KS

We will meet for dinner at Martinelli's Little Italy restaurant in Salina. The meal will be served family style and will include salad, two pastas, bread, choice of desert, and a drink (tea, coffee, and soft drinks). The cost of the meal is \$15.00 for members and guests, and \$7:50 for students. Martinelli's is located at 158 S. Sante Fe in Salina. Please check their website for additional information - www.martinellisonline.com.

Please RSVP by Tuesday, 4 November to Robin Jackson by email to:

robin.jackson@centralchristian.edu

Following the meal Dr. Norman Schmidt, Chemistry Professor at Tabor College and Chair Elect of the Wichita Section, will give a presentation on the chemistry of the honey bee hive. The presentation is intended for a broad audience and we encourage section members to invite a guest or two to join us for the meal and talk.

The presentation will be given in room 229 of the Peters Science Hall on the campus of the Kansas Wesleyan University in Salina. One can find a campus map at <http://www.kwu.edu/campus-map>. Peters Hall is at the corner of Cloud and Fourth and can be easily identified as the building with the observatory dome on top. Convenient parking can be found in the parking lot immediately west of the building.

Meal: 6:00 p.m.,
Presentation: 7:30 p.m.,
Speaker: Dr. Norman Schmidt, Professor of Chemistry, Tabor College

Title: *The Chemistry of the Honeybee Hive*

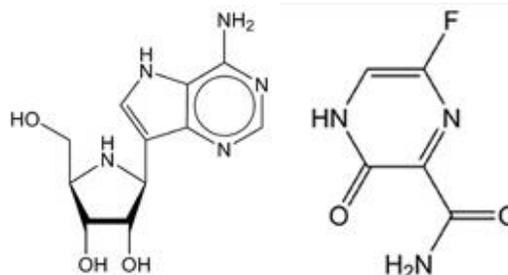
Speaker Bio:

Norman earned dual B.S. degrees in Chemistry and Physics from Bethel College in Newton, Kansas in 1984. He then earned a Ph.D. from the University of South Carolina under the tutelage of Dr. R. H. Philp. After a post-doc at the University of Texas he became the Laboratory Safety Officer at the Texas Department of Health in the Bureau of Laboratories. Norman shifted to academia in 1990 becoming a Chemistry Professor at Georgia Southern University. He moved back to Kansas in 2011 taking up his current position at Tabor College where he teaches both chemistry and physics classes.

He is currently Chair Elect for the Wichita Section and will be taking over as Chair from Dr. Eric Trump on 1 January.



Molecules of the Week



BCX4430 and Favipiravir

Ebola virus disease (EVD) is running rampant through some countries in West Africa, and it is now a major concern in the United States. Even before the current outbreak, researchers were trying to develop drugs to tame the dreaded virus.

BioCryst Pharmaceuticals (Durham, NC), with funding from the US National Institute of Allergy and Infectious Diseases, developed BCX4430 as a treatment for hepatitis C. But BCX4430 is a broad-spectrum antiviral drug, and researchers at BioCryst, the US Army Medical Research Institute of Infectious Diseases, and other institutions found that it protects rodents and primates against EVD for up to 48 h after infection. BCX4430 has been fast-tracked as an EVD drug for humans.

Favipiravir also was developed to combat a disease other than EVD. It is manufactured by Fujifilm subsidiary Toyama Chemical (Tokyo) and was approved in Japan as an influenza drug early in 2014. More recently, the Japanese government gave the green light to West African countries to use favipiravir against EVD. Previous research shows that favipiravir reduces EVD in mice.

The Midwest Regional Meeting



November 12 - 15

University of Missouri - Columbia

<http://www.mwrm2014.org>





The deadline to cast your vote is 14 November!

ACS Wichita Section Elections

Editor's Note

In addition to the ACS National elections it is also time for our section's elections. This year we will need to fill two positions: Secretary and Treasurer. In our section the Secretary steps into the automatic leadership progression, thus the person elected to this position will become Chair-Elect in 2016, and Chair in 2017 (all terms follow the calendar year). The Treasurer is elected to a three year term. We made the switch from a combined Secretary/Treasurer to the three year Treasurer's position in an attempt to improve continuity in oversight of the section's finances.

We currently have a person who has agreed to run for the Secretary position but we still need one or more section members to volunteer to run for the Treasurer's position. Please contact Dr. Eric Trump (contact information below) if you have questions about the positions or if you wish to run for either of these positions.

Please note that time is of the essence as we need to complete the election cycle by 14 November. I will send out ballots as soon as we have at least one candidate for each position.

Stephen Donnelly
Newsletter Editor

Wichita Section Web Site:

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

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