



American Chemical Society Susquehanna Valley Section

SEPTEMBER 2018 NEWSLETTER

The four hundred and forty seventh meeting of the American Chemical Society, Susquehanna Valley Section will be held on Wednesday, September 19, 2018 at 7:30 pm in Smith Library in the Vaughan Literature Building on the Bucknell University campus in Lewisburg, PA. The speaker will be Douglas Genna, Ph. D., Assistant Professor of Chemistry, Youngstown State University. The talk will be preceded by a reception and dinner at 6:00 pm in Hildreth-Mirza Hall Great Room.

“A Mechanistic Approach to Metal-Organic Framework Synthesis and Applications”

Dr. Douglas Genna
Assistant Professor
Department of Chemistry
Youngstown State University



As metal-organic frameworks continue to gain prominence and more targeted syntheses become the norm, mechanistic elaboration of the synthesis of these materials, specifically the formation of the secondary building unit (SBU) is paramount. Through a combination of solvothermal synthesis, solid-state to solid-state transformations, and in situ Raman spectroscopy, proposed mechanisms of formation (along with their synthetic consequences) of select indium-derived SBUs will be presented. Additionally, the non-covalent interactions involved in solution-phase sorptive extraction of pharmaceuticals and heavy metals (Pb and Cs) by select MOFs will be examined

BIOGRAPHY OF DR. GENNA:

Professor Douglas Genna was born in Bucks County, Pennsylvania just north of Philadelphia. He received his BS in 2006 from Haverford College working in the area of total synthesis with Fran Blase. In the fall of that same year he joined the lab of Gary H. Posner at The Johns Hopkins University, where he studied chirality transfer in allylic substitution chemistry and the copper mediated conversion of carboxylic acids into a ketones. In December 2011, he defended his thesis and joined the lab of Melanie S. Sanford at the University of Michigan in January 2012 for his postdoctoral studies. In the Sanford lab he studied the heterogenization of homogeneous catalysts inside Metal-Organic Frameworks. After two and half years in Ann Arbor he joined the faculty at Youngstown State University in August 2014. In his spare time Doug enjoys a good game of ping pong with his family.

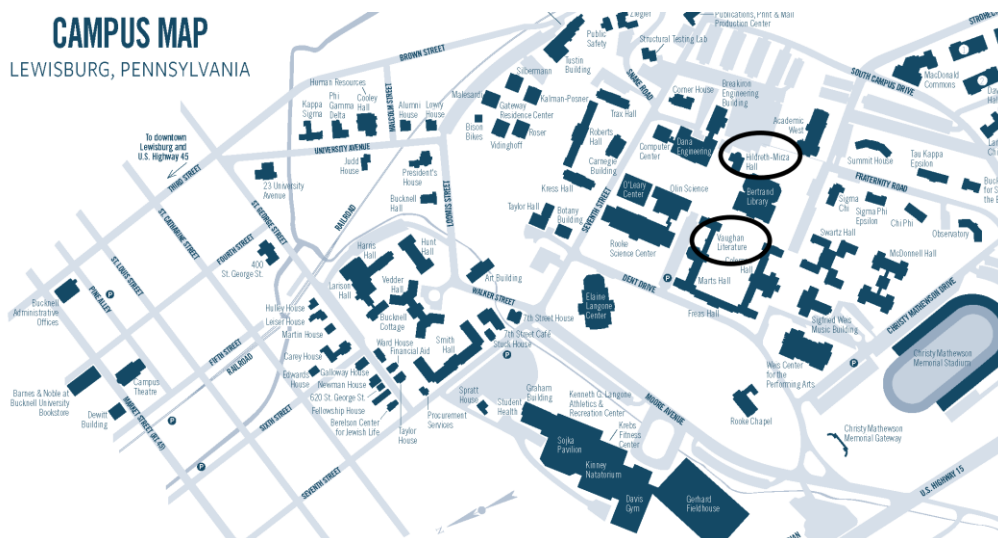
DINNER:

The lecture will be preceded by dinner at 6:00 PM in in Hildreth-Mirza Hall Great Room. Dinner will be buffet style, including a vegetarian option and dessert. The cost will be \$20.00 per person. Those wishing to reserve a spot for dinner should contact Linda Godfrey by email (lgodfrey@bucknell.edu) by 3 pm Friday September 8. Payment for dinner may be in advance (check to Bucknell University Chemistry Department) or at the dinner.

DIRECTIONS TO BUCKNELL UNIVERSITY:

East of Lewisburg: <ol style="list-style-type: none">1. Interstate 80 West to Exit 210A2. Route 15 South3. At 11th traffic light (the first light after crossing Route 45 (Market Street)), turn left onto Moore Avenue. (Look for the Bucknell Athletic Stadium on the left.)	West of Lewisburg: <ol style="list-style-type: none">1. Interstate 80 East to Exit 210A2. Route 15 South3. At 11th traffic light (the first light after crossing Route 45 (Market Street)), turn left onto Moore Avenue. (Look for the Bucknell Athletic Stadium on the left.)
South of Lewisburg: <ol style="list-style-type: none">1. Take Routes 11&15 North2. When Routes 11 & 15 split, stay on Route 15 (Tedd's Landing is on your right; KMart on your left)3. Approx. 7 miles after Selinsgrove / Shamokin Dam, you'll come to a stop light. Bucknell is on your right. (Look for the Bucknell Athletic Stadium on right.)	North of Lewisburg: <ol style="list-style-type: none">1. Take Route 15 south2. Once past Interstate 80, turn left on Moore Avenue at the 11th traffic light (the first light after crossing Route 45 (Market Street)). (Look for the Bucknell Athletic Stadium on the left.)

Once on campus: Follow the campus map below to the visitor parking designated with a **P**.



Online campus maps can be found at <http://www.bucknell.edu/script/communication/map/>

SECTION NEWS:

2019 LOCAL SECTION ELECTIONS:

Nominations are due for the position of Chair-elect. If interested, please contact Dr. Ron Supkowski at ronalsupkowski@kings.edu or 570-208-5900x5733.

2018 – 2019 LOCAL SECTION MEETING SCHEDULE:

19-Sept-2018: Bucknell University
Note this is the THIRD Wednesday of September

14-Feb-2019: King's College

17-Oct-2018: Wilkes University
Catherine Bone Lecture in Chemistry
Speaker is Priestley Medal recipient
Geraldine Richmond, Ph. D.
Note this is the THIRD Wednesday of October

14-March-2019: Susquehanna University

25-Oct-2018: Lycoming College
Douthat Lecture Series
Speaker is Nobel Laureate
Roald Hoffmann, Ph.D.
Note this is the FOURTH THURSDAY of October

11-April-2019: Marywood University

Jan 2019: Executive Board Meeting

May-2019: Awards Banquet

2018 LOCAL SECTION AWARDS:

ACS Longevity Awards

DR. LAWRENCE MACK	50-year member
DR. MAURICE HART	60-year member
DR. BEN WILLEFORD, JR	76-year member

Joseph Priestley Service Award

DR. CHARLES MAHLER	Lycoming College
--------------------	------------------

David H. Frederick Memorial Awards in High School Chemistry

Exam A Winners

SAMUEL DARER	Lewisburg Area High School Teacher – Ms. Angela Gockley
DEVIN BROWN	South Williamsport Jr/Sr. High School Teacher – Mr. Matthew Eisley
DANIEL ZYCH	Scranton Preparatory School Teacher Ms. Donna Barrett
KATERINA WILLIAMS	Abington Heights High School Teacher – Ms. Carolyn Siwak
JOSEPH ROWLEY	Hanover Area Jr/Sr High School Teacher – Dr. Jocelyn Holodick-Reed
JAMIE NGUYEN	Bloomsburg High School Teacher – Mr. Todd Davis

Exam B Winners

BRODY HELLER	Hughesville High School Teacher – Dr. John Tamblin
ALEXANDER AMBRUSO	Wyoming Area Secondary Center Teacher – Mr. Gordon Williams

Exam A Runners-Up

SETH KLINE	Mifflinburg Area High School Teacher – Mr. Brian Landis	MAYA MOORE	Jersey Shore Area Senior High School Teacher – Mr. William Ferguson
NICK BAHNER	Sunbury Christian Academy Teacher – Ms. Heather Keller	MATTHEW ROSENGRANT	Western Wayne High School Teacher – Ms. Maria Masankay
SAVANNAH CONRAD	Line Mountain High School Teacher – Ms. Shelley Herb	HANNAH HOLBERT	Honesdale High School Teacher – Ms. Michelle Tonkin
LEAH HEPNER	Selinsgrove Area High School Teacher – Ms. Tracy Hepner	RICHARD FRIED	Abington Heights High School Teacher – Dr. Eric Stroyan
GABRIELLE BELLOMO	Jersey Shore Senior High School Teacher – Mr. Alex Hunter	ZACH BOYER	Marian Catholic High School Teacher – Mr. Robert Valente
ERIN REILLY	Williamsport Area Jr/Sr High School Teacher – Mr. Chase Smith		

Exam B Runner-Up

JAMES BOONE	Williamsport Area High School Teacher – Ms. Jennifer Flint
-------------	---

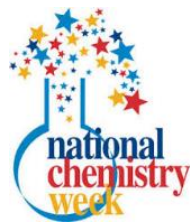
Chemistry Olympiad Competitors

THEODORE LAMBERT	Abington Heights High School Teacher – Ms. Carolyn Siwak
JACK LEIGHTCAP	Abington Heights High School Teacher – Ms. Carolyn Siwak
NATALIE ZEGLEN	Honesdale High School Teacher – Ms. Michelle Tonkin
DOMINIC MAGLIONE	Honesdale High School Teacher – Ms. Michelle Tonkin

College Award Winners

TODD POE	Bloomsburg University
LAUREN ECKERMANN	Bucknell University
CHARLES RAFALKO	King's College
ELIZABETH RITTER	Lycoming College
RACHEL MCCORMICK	Misericordia University
MIKAELA SURACE	Scranton University
JENNA YARGER	Susquehanna University
SARAH NICHOLS	Wilkes University

NATIONAL CHEMISTRY WEEK:



NCW 2018 is October 21 –27. The Susquehanna Valley Section is once again collecting posters for this year's event. If you know of a student in K-12 who would like to participate please contact Patrick Martino at patrick.martino@bucknell.edu. The deadline for submissions is Friday, November 3. For further details, see the [website](#).

MARM2019:



Save The Date

The 47th Mid Atlantic Regional Meeting (MARM) will be held May 30-June 1, 2019. The meeting is hosted by the Maryland Local Section of the American Chemical Society. Check the website, <https://marm2019.org>, for more information.

MISERICORDIA UNIVERSITY LECTURE SERIES ON CLIMATE CHANGE:

The College of Arts and Sciences at Misericordia University is inviting a variety of environmental experts, including a Woodrow Wilson Visiting Fellow, a climate scientist, and a representative of Greenpeace U.S.A. to explore the science of climate change in a series of lectures entitled, "The Impact of Climate Change on Society." The events are free and open to the public.

Thursday, Sept. 20

Woodrow Wilson Visiting Fellow Robert K. Musil, Ph.D., M.P.H., president and CEO of the Rachel Carson Council, "Rachel Carson's Environmental Legacy for Today,"

Monday, Oct. 22

Richard Alley, Ph.D., the Evan Pugh Professor of Geosciences at Penn State University, "Finding the Good News on Energy, Environment, and the Economy,"

Wednesday, Nov. 14

Charlie Cray, political and business strategist for the U.S. office of the global environmental organization Greenpeace U.S.A., "As a Society, What Can We Do about Climate Change?"

For additional information about the lecture series, please contact Rita Molino at rmolino@misericordia.edu or 570-674-8184 or visit the website: https://www.misericordia.edu/cf_news/view.cfm?newsid=3055

LOCAL STEM COMPETITIONS:

We have posted a list of all STEM (Science, Technology, Engineering, Mathematics) competitions for high school students on our website:

<http://departments.kings.edu/SusquehannaValleyACS/services/STEM.html>

If you have any questions about the contests or have suggestions for others, please contact either the person indicated on the site or the section webmaster, Ron Supkowski at ronaldsupkowski@kings.edu or 570-208-5900 x5733

NATIONAL ACS NEWS:

ACS LEGISLATIVE ACTION NETWORK:

Legislation that may impact the chemical enterprise comes before Congress on a regular basis, and the ACS is committed to keeping its members informed and encouraging them to weigh in on high-priority issues. To see the position of the ACS on many legislative issues visit the ACS LAN website:

<https://www.acs.org/content/acs/en/policy.html>

To find out how to become more active in ACS advocacy activities, see the website:

<https://www.acs.org/content/acs/en/policy/memberadvocacy/advocacy-tools.html>

To join ACS' grassroots legislative advocacy network, ACT4CHEMISTRY, which will allow you to stay up to date on policy issues and contact legislators on behalf of chemistry and chemists, go to their website, follow the [Act4Chemistry Twitter](#) account, or email advocacy@acs.org.

JOIN THE ACS:

If you know of anyone who would benefit from being a member of the American Chemical Society, please direct them to the membership website:

<https://www.acs.org/content/acs/en/membership-and-networks/acs/join.html>

NATIONAL MEETINGS:

The 2019 spring national meeting will be held in Orlando, FL from March 31 – April 4. See the [website](#) for details. Deadline for abstract submission for most divisions is Monday, October 29.

OTHER NEWS:

THE UNITED NATIONS PROCLAIMS THE INTERNATIONAL YEAR OF THE PERIODIC TABLE OF CHEMICAL ELEMENTS:

On 20 December 2017, during its 74th Plenary Meeting, the United Nations (UN) General Assembly 72nd Session has proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements (IYPT 2019). In proclaiming an International Year focusing on the Periodic Table of Chemical Elements and its applications, the United Nations has recognized the importance of raising global awareness of how chemistry promotes sustainable development and provides solutions to global challenges in energy, education, agriculture and health. Indeed, the

resolution was adopted as part of a more general Agenda item on Science and technology for development. This International Year will bring together many different stakeholders including UNESCO, scientific societies and unions, educational and research institutions, technology platforms, non-profit organizations and private sector partners to promote and celebrate the significance of the Periodic Table of Elements and its applications to society during 2019.

For more info, visit the website:

<https://iupac.org/united-nations-proclaims-international-year-periodic-table-chemical-elements/>

Susquehanna Valley Section Web Page: <http://departments.kings.edu/SusquehannaValleyACS>

Please send any comments about the monthly newsletter to Ron Supkowski, Section Secretary

King's College 131 N River St Wilkes-Barre PA 18711

ronaldsupkowski@kings.edu
