
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:

<table>
<thead>
<tr>
<th>East of Lewisburg:</th>
<th>West of Lewisburg:</th>
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<tbody>
<tr>
<td>1. Interstate 80 West to Exit 210A</td>
<td>1. Interstate 80 East to Exit 210A</td>
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<tr>
<td>2. Route 15 South</td>
<td>2. Route 15 South</td>
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<tr>
<td>3. 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.)</td>
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<tr>
<th>South of Lewisburg:</th>
<th>North of Lewisburg:</th>
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<tbody>
<tr>
<td>1. Take Routes 11&amp;15 North</td>
<td>1. Take Route 15 south</td>
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<tr>
<td>2. When Routes 11 &amp; 15 split, stay on Route 15 (Tedd's Landing is on your right; KMart on your left)</td>
<td>2. 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.)</td>
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<td>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.)</td>
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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/](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 ronaldsupkowski@kings.edu or 570-208-5900x5733.

2018 – 2019 LOCAL SECTION MEETING SCHEDULE:

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
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<tbody>
<tr>
<td>19-Sept-2018</td>
<td>Bucknell University</td>
</tr>
<tr>
<td></td>
<td><em>Note this is the THIRD Wednesday of September</em></td>
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<tr>
<td>14-Feb-2019</td>
<td>King’s College</td>
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<tr>
<td>17-Oct-2018</td>
<td>Wilkes University</td>
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<td></td>
<td><em>Catherine Bone Lecture in Chemistry</em></td>
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<td>Speaker is Priestley Medal recipient</td>
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<td></td>
<td>Geraldine Richmond, Ph. D.</td>
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<td><em>Note this is the THIRD Wednesday of October</em></td>
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<tr>
<td>25-Oct-2018</td>
<td>Lycoming College</td>
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<td><em>Douhat Lecture Series</em></td>
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<td>Speaker is Nobel Laureate</td>
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<td>Roald Hoffmann, Ph.D.</td>
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<td><em>Note this is the FOURTH THURSDAY of October</em></td>
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<tr>
<td>14-March-2019</td>
<td>Susquehanna University</td>
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<tr>
<td>11-April-2019</td>
<td>Marywood University</td>
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<td>11-April-2019</td>
<td>Marywood University</td>
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<tr>
<td>May-2019</td>
<td>Awards Banquet</td>
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<td>Jan 2019</td>
<td>Executive Board Meeting</td>
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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
NICK BAHNER  Sunbury Christian Academy
Teacher – Ms. Heather Keller
SAVANNAH CONRAD  Line Mountain High School
Teacher – Ms. Shelley Herb
LEAH HEPNER  Selinsgrove Area High School
Teacher – Ms. Tracy Hepner
GABRIELLE BELLOMO  Jersey Shore Senior High School
Teacher – Mr. Alex Hunter
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

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:

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