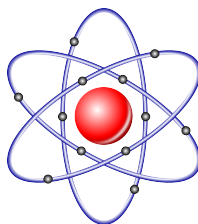
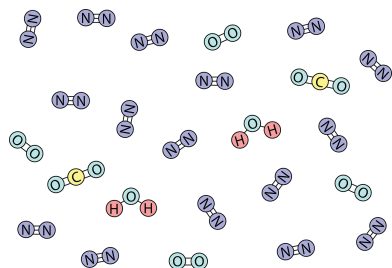


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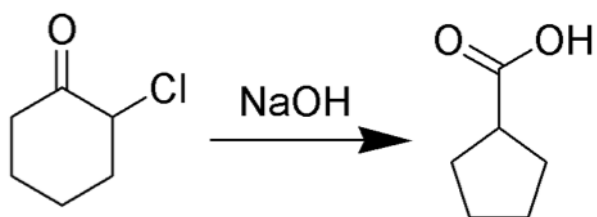
Important Dates

June 24: Women's Chemist Committee Meet Up

July 15: Mid-Hudson West Point Boat Ride

August 31: Mid Hudson Meet and Greet, Guest Speaker and

Reaction Of The Month



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Congratulations to the 2023 Undergraduate Student Research Award Recipients

Edward Chen, Jorden D. Corpuz, Tyler S. Semon
United States Military

Layer-By-Layer Assembly of Graphene Films with
Platinum (II) Complexes for Electrochemical Applications

Abigail Whittington, Alison Keimowitz
Vassar College

All About U: Creating Novel Fracking Fluids to Decrease Uranium
Pollution Resulting from Fracking

Abigail W. Wilson, Emily McLaughlin
Bard College

Synthesis of a Vinylogous Amide Photosubstrate for Visible
Light-Mediated [2 + 2] Photocycloaddition

Sophie Anderson, Ilona Neale, Sarjit Kaur
Vassar College

Synthesis of an Amino-Acid Based Polyanhydride for Im-
proved Drug Delivery Systems

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Left to right: Edward Chen, Abigail Whittington,
Abigail Wilson
Not pictured: Sophie Anderson

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Congratulations to the 2023 College Recognition Award Winners

The 2023 College Recognition Awards were presented during the Undergraduate Research Symposium held on Friday, April 21st at Bard College.

The purpose of the award is to recognize achievement in the field of chemistry and to encourage further study in chemistry. One student from each of the colleges in the Mid-Hudson section was presented with a monetary award. The names of the worthy recipients and their research advisors are listed below.

Educational Institution	Student	Student's Hometown	Advisor (s)
Mount Saint Mary College	Christopher Christiano	Waterbury, CT	Dr. Suparna Bhalla
United States Military Academy at West Point	Dylan Golden	West Chester, PA	Dr. Dawn Riegner
Bard College	Abigail Wilson	Santa Fe, NM	Dr. Emily McLaughlin
Vassar College	Abigail Whittington	Sandy, UT	Drs. Alison Keimowitz and Joe Tanski
SUNY Orange	Meg Bechtle	Slate Hill, NY	Dr. Dustin McCall
Marist College	Jessica Bluitt	Lake George, NY	Dr. Jocelyn Nadeau
SUNY New Paltz	Canis Speranza	Monroe, NY	Dr. Miles Wilklow-Marnell

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From left to right: Dr. Miles Wilklow-Marnell, Dr. Dustin McCall, Meg Bechtle, Dr. Joe Tanski, Abigail Whittington, Dr. Emily McLaughlin, Abigail Wilson, Dr. Suparna Bhalla, Christopher Christiano, Dr. Dawn Riegner, Dylan Golden, Dr. Jocelyn Nadeau, Jessica Bluitt

Not pictured: Canis Speranza

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Congratulations to the 2023 Excellence in High School Teaching Award

The Mid-Hudson Section of the American Chemical Society is pleased to announce that the 2023 recipient of the *Award for Excellence in High School Chemistry Teaching* is **Sam Falk** from Arlington High School. The award was presented at the section's Undergraduate Research Symposium held at Bard College on Friday, April 21st.

Sam Falk received her B.S. degree in Mechanical Engineering and M.S. degree in Materials Science and Engineering from Worcester Polytechnic Institute and also a M.S. in Polymer Science and Engineering from UMass. She worked for a few years as a Chemist at GE. Following that, she spent one year teaching Chemistry at Mamaroneck High before going to Arlington High School in 2006. Over the years she has taught several levels of chemistry, including Chemistry in the Community, Regents Chemistry and Honors Chemistry which entails using a variety of teaching methods to reach students with different levels of chemistry background. Sam spends much of her time developing new resources and engaging lab activities, always trying to improve the experience for her students. She tries to make real life connections and adapt her teaching materials to suit the students in her class, always looking to improve her own content knowledge and pedagogy. Ms. Falk attends many professional development programs across the country, finding the collaboration with

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other science teachers from around the country enriching; this enables her to bring new ideas back to Arlington.

Sam is very involved with the community beyond the classroom as well. She is the advisor of the student-run school newspaper, The Arlingtonian, which requires many additional hours to help the students write engaging articles that are of interest to the student body. Sam is also the Communications Chairperson for Arlington Teachers' Association. As a member of the union's leadership team, she advocates for the rights of

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all teachers, creating an atmosphere where teachers are supported and can provide the best education to their students.

In 2019 Sam was accepted into the New York State Master Teacher program. This is a professional network of Science, Technology, Engineering and Math teachers from around New York State.

Through this program, teachers collaborate to increase their content knowledge, their pedagogy knowledge and how to be engaged with their students, families and communities.

Sam is also very active in the town of Millbrook, as a member of the Millbrook Literary Festival Steering Committee, the Facebook Page Administrator of the Millbrook Historical Society and the Public Relations Chair for the Friends of Millbrook Library.

As stated by a colleague, Sam is a dedicated and responsible teacher and role model, and genuine friend to her peers.



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2023 Local Section U.S National Chemistry Olympiad Participants

On Saturday, April 15, 2023, seven local high school students took the U.S. National Chemistry Olympiad Exam at Vassar College. The exam consisted of a multiple choice test, a written problem solving examination and a hands-on lab practical. Congratulations to the students and to the local teachers that facilitated participation; the teachers include **John Kay** at Kingston High School, **Leah Miller** at John Jay High School, Hopewell Jct, **Lu Lu** at Northern Academy of the Arts, Middletown, and **Jason Pavlich** at Red Hook Central High School.

Many thanks to the Mid-Hudson Local Section volunteers **Prof. Joe Tanski**, USNCO Coordinator, for organizing, **Prof. Anita Kusmierska-Gomez**, Vassar College, for preparing the lab practical, and **Joan Skinner** and **Linda Ferraro** for administrative support.



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Students from left to right: Lisa Vargas-Hubner(Kingston H.S.); Arnav Mishra (John Jay H.S., Hopewell Jct); Nash Pillai (John Jay H.S, Hopewell Jct); Zachary Seery (Kingston H.S.; Brian Li (Northern Academy of the Arts, Middletown); Brandon Juran (Red Hook Central H.S.); Ryan Very (Red Hook Central H.S.)

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Women's Chemist Committee (WCC)

Calling all ACS members that would like to meet and talk about an upcoming event that the Mid-Hudson ACS is planning: earn a badge "citizen scientist" with The Girls Scouts of Putnam County (Grades 3-5) in September.

Saturday, June 24th at 11:30am at THE TOMATO CAFÉ located at 1123 Main Street in Fishkill, NY just off Route 84 and Route 9.

This is a buy your own food/beverage event to kick off the program, but fun will be had by all as we work together to promote the love of chemistry for these young ladies.

Please RSVP before June 10th to ensure your seat at our table!

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Mid-Hudson Meet and Greet ***Save The Date***

When: Thursday August 31, 2023

5:30 pm Meet and Greet

All ACS members current and former are welcome
Catered Food and choose your fermented beverage: wine, cider, or beer from the bar

6:15 pm Guest Speaker "Fermentation"

7:00 pm Axe Throwing

Where: Saxon Hall and Bar

1400 Route 300 in Newburgh, New York

Registration opens 8/1 with \$5 fee to reserve your seat and axe (maximum 25 people)

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Guest Speaker: Evan Merkhofer,
Professor Mount Saint Mary's College

Whether you dabble in your own home brew or remember your grandfather making homemade wine or you recently visited a brewery or winery, this talk will provide you with the chemistry behind the yeast, grains, malt extracts, and the darkness.

Professor Merkhofer graduated from Gettysburg College with a Bachelor of Science in biochemistry and molecular biology in 2002. He received a Ph.D in genetics and molecular biology at the University of North Carolina at Chapel Hill in 2010, where he studied the role of transcription factors in breast cancer. He subsequently completed an IRACDA fellowship at the University of California-San Diego. In his free time, Professor Merkhofer is an avid home brewer and runner.

Professor Merkhofer's research interests involve using model organisms such as budding yeast to investigate the regulation of gene expression, in particular pre-mRNA splicing, and the role of gene expression in normal cellular processes and disease. He is also interested in developing inquiry-based laboratory projects to provide an exciting lab experience to students.



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Special Thank You To Butch Dery for another wonderful Earth Day hike



On April 22 we had our yearly Earth Day hike at Clarence Fahnestock Park in Putnam County. There were 19 participants trekked across 4 1/2 miles of beautiful terrain. The expedition was led by Butch Dery and friends. The overcast sky was a relief and the cool air kept the black flies from swarming. The group observed

Edison's field laboratories and iron mines and the newly sprung spring flora.

Happy Earth Day 2023!

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*Thank you to everyone who
joined us on our hike.*

*See Everyone Next
Earth Day!!*

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The Mid-Hudson ACS Hudson River Cruise has returned!



Photo courtesy of EPA

When: Saturday, July 15, 2023, 1:30 – 4:30 pm

Where: Departing from US Military Academy at West Point

Boarding begins ~1 pm. Boat leaves at 1:30 pm

Please allow plenty of extra time to go to Visitor Control Center (VC) first to get your pass that enables you to go through gate security.

Cost: \$8 (non-refundable) per person,
Children 8 & under are FREE

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Use this **registration link**. You are automatically directed to pay via PayPal.

Fast-Track Access – Register by June 16th – must provide DOB & driver's license # for quick VC check-in.

OR Register by June 26th to obtain own gate security pass at VC at any time prior to the cruise. VC requires this completed **application form** and proper identification (check list under “Unescorted Visitors” at: <https://home.army.mil/westpoint/index.php/about/visitor-information>).

Limited seating – reserve early!

Light refreshments/beverages will be served – BYOB if you'd like beer or wine

Smoking and open flames are prohibited

Rain or shine (may be cancelled if lightning)

Directions: First go to VC at 2107 New South Post Road, West Point, NY 10996. (phone: 845-938-0390) to obtain VC issued identification/local area credentials.

Then proceed to enter Thayer Gate with VC issued ID/local area credentials. After gate checkpoint, turn right (Williams Road) at the first stop sign. This will lead you down the road parallel to the river and down to the boat dock. You can park down there. There is a lot of space for parking, just go ahead & cross over the train tracks.

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Thank You Master Morgado

Thank you Master Chef Morgado for your talk on chemistry and baking that was held in Carmel, N.Y. on May 15th 2023. Your baked goods spoke volumes before you even started the program (delicious and delectable) and for sharing your cooking do's and don't's were noted by all in attendance.



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The Hudson Valley Cafe

The Hudson Valley Science Café is a monthly gathering open to the public, currently held via Zoom, with a short presentation of a topic followed by discussion. The essence of a Science Café is informality between the presenters and members of the community.

Meetings are usually on the 4th Wednesday of the month, from April to November, except where indicated.

Check the website for any upcoming presentations

<http://cafescientifique.org>

Hudson Valley Science Café has received start-up funds from WGBH-NOVA and the American Chemical Society.

For information, or to suggest a speaker, please contact Dr. Toby Rossman at tobyrossman@yahoo.com

Hudson Valley Science Café is on Facebook:

www.facebook.com/hudsonvalleysciencecafe

For our most up to date information go to

<https://www.midhudsonacs.org/>.

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Executive Board 2023

Chair: Michelle Rissolo; **Chair-Elect:** Patti Cusatis;

Past Chair: Chi Nguyen; **Treasurer:** Joan Skinner;

Secretary: Ken McDonald; **Councilor:** Lynn Robinson

Alternate Councilor: Maryellen Sinclair;

Members-at- Large: Ines E. Augie, Dawn Riegner,

Co-Awards Chairs: Patti Cusatis and Lynn Maelia;

DCRSF: Nicoline Kiwiet; **Earth Day Hike:** Butch Dery;

Membership Chair: Maryellen Sinclair;

NCW Chair: Chi Nguyen; **Publicity:** Maryellen Sinclair;

SCC Chair: Glenn Roy; **WCC Chair:** Lynn Robinson;

URS Chair: Chris LaFratta; **USNCO Chair:** Joe Tanski;

Webmaster: Patti Cusatis; **YCC Chair:** TBA;

Local Section Coordinator: Joan Skinner

Mid-Hudson Chemist Editor/Publisher: Maryellen Sinclair

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Thank You

Fair-Rite and OnSemi for providing
representatives to our URS.

Our members Thank You for providing us with
information about your career opportunities.

We hope to build and continue to our relationship
with you over the coming years.



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