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MARM 2025 NJACS celebrating 100 years of Chemistry

MARM 2025

PLENARY SPEAKER :



Morten Meldal, Ph. D.
2022 Nobel Laureate in Chemistry
University of Copenhagen

📅 May 28-31, 2025
🕒 SETON HALL UNIVERSITY
📍 SOUTH ORANGE, NJ



KEYNOTE SPEAKER



Rebecca Ruck, Ph.D.
Merck & Co.

KEYNOTE SPEAKER



Phaedria St. Hillaire, Ph.D.
P M Consulting

GUEST SPEAKER



David Laviska, Ph.D.
ACS Green Chemistry & Sustainability in Education

GUEST SPEAKER



W. Walker Smith, Ph.D.
ROYGBIV



MARM 2025
See pages 6-10



MAY 2025

Vol. 106 • No. 5

ISSN 0019-6924

www.theindicator.org

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The monthly newsletter of the New York & North Jersey Local Sections of the American Chemical Society. Published jointly by the two sections and distributed to their 6,200 members.

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EDITORIAL DEADLINES

May 2025	April 16, 2025
June 2025	May 16, 2025
September 2025	August 16, 2025
October 2025	September 16, 2025
November 2025	October 16, 2025
December 2025	November 16, 2025

The Indicator (ISSN 0019-6924) is published on-line monthly except July and August by the New York and North Jersey Local Sections of the American Chemical Society, Office of Publication.

All views expressed are those of the editor and contributors and do not necessarily represent the official position of the New York and North Jersey Local Sections of the American Chemical Society unless so stated.

THIS MONTH IN CHEMICAL HISTORY

Harold Goldwhite, California State University, Los Angeles • hgoldwh@calstatela.edu

My subject this month is a book published well over a century ago that wears its age well. Its author was Morris W. Travers, at that time Assistant Professor of Chemistry at University College, London. The book's title and subtitle are: *The Experimental Study of Gases: an account of the experimental methods involved in the determination of the properties of gases, and of the more important researches connected with the subject.* That doesn't sound too revolutionary, does it? But if I add the salient fact that Morris Travers was the colleague of William Ramsay in his ground-breaking researches on the noble gases you can understand the significance of this modestly titled volume.

The Introductory Preface was contributed by Ramsay and I quote from that. " Scheele collected his gases in bladders; Priestley, unconsciously imitating Mayow, brought the pneumatic trough into use; and Bunsen devised processes still employed in analysis of gases....In the research on the gases of the helium series a number of workers, including Lord Rayleigh, and Drs. Collis and Travers, have made use of apparatus...which will be found treated of in this volume."

Travers' own Preface goes to the heart of the matter: "...in no other section of chemistry or physics do such discrepancies occur as exist among the experimental values assigned by different investigators to the physical constants relating to gases...." Travers' aims in this book were to describe the best methods for determining these constants for materials in both the gaseous and liquefied states; and to critically analyze reported data. Incidentally the book is fully illustrated with clear line drawings.

After a brief introduction to the gas laws there is a chapter on mercury pumps including those of Geissler, Töpler, and Sprengel. (In case this all seems too antiquated I can report that when I joined the faculty at Cal. State, Los Angeles in Fall 1962 my colleagues Professors Onak and Spielman, who worked on boron hydrides and carboranes, each had a Sprengel pump as part of their vacuum lines.) A chapter is devoted to such basics as glass to glass and metal to glass junctions, ground glass junctions (at a time when you had to make your own), and stopcocks. Methods for making stopcock lubricants are included: heat together two parts of soft rubber clippings, one part of Vaseline, and one-eighth part of hard paraffin wax. The best lubricant for handling corrosive gases or liquids is metaphosphoric acid.

Collecting and storing gases is followed by a critical study of how best to prepare a number of pure gases including hydrogen, oxygen, chlorine, fluorine (with descriptions of Moissan's different experimental methods), phosphoretted hydrogen (phosphine), sulphuretted hydrogen (hydrogen sulfide) etc.

The next several chapters are devoted to measurements including instruments and their calibration. A chapter on gas analysis and one on the composition of the atmosphere is followed by work on the gases of the helium group. The preferred chemical method for removing nitrogen from atmospheric air in order to isolate small quantities of argon is to heat it with metallic calcium which reacts rapidly with nitrogen. Travers gives a detailed description of how he and Ramsay prepared 15 liters of argon from 1500 liters of air. The isolation of helium from various minerals including cleveite and Fergusonite led to speculation about the existence of a family of related elements. Travers and Ramsay were given a supply of liquid air by W. Hampson. By evaporating the most volatile oxygen and nitrogen and examining the residue spectroscopically they first observed and later isolated neon, and later krypton and xenon.

THIS MONTH IN CHEMICAL HISTORY (continued)

Methods for the determination of gas density includes a description of those devised principally by Ramsay and Travers for use on small quantities of a gas. There is a detailed discussion of sources of error in such determinations including corrections for buoyancy and adsorption. Chapters on P, V, and T relationships for real gases follow. Concluding chapters include methods of liquefying gases, manipulating liquefied gases, and vapor pressures and critical constants for liquefied gases. This comprehensive volume then goes on to solubility of gases in liquid solvents; specific heats of gases; effusion and diffusion; and refractivity. The final chapter is on spectrum analysis and it includes a fold-out chart of the line spectra of the gases of the helium family.

Travers' book can be truly called a masterwork of exposition on the subject of gases and liquefied gases.

May Calendar

NORTH JERSEY SECTION

Monday, May 19, 2025

Mass Spectrometry Discussion Group
See page 5

Wednesday, May 21, 2025

Executive Committee Meeting
See page 5

Wednesday - Saturday, May 28-31, 2025

Middle Atlantic Regional Meeting (MARM 2025)
See page 6

NEW YORK SECTION

Friday, May 2, 2025

Long Island Subsection
See page 14

Tuesday, May 6, 2025

Long Island Subsection
See page 17

Saturday, May 31, 2025

New York ACS Election: Ballots due
See page 11

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EASTERN ANALYTICAL SYMPOSIUM

Deadline approaching fast! Don't miss out, submit your abstract today. EAS is a great opportunity to share your state of the art research. In addition you'll have networking opportunities and industry expositors. Just visit <https://eas.org/>. Abstracts for oral presentations at the Eastern Analytical Symposium are due May 1st. The EAS will be held on **November 17-19, 2025** at the Crowne Plaza Princeton Conference Center.

[Read more here](#)

NORTH JERSEY SECTION MEETINGS

2025 NORTH JERSEY ACS EXECUTIVE COMMITTEE MEETINGS

2025 North Jersey ACS Chair Robert Menger and the Executive Council welcome you to our monthly NJACS meetings. The meetings are normally held on the second **Wednesday from 6:30 pm to 8:30 pm**. All members are welcome to attend and become more involved in section activities. The dates for 2025 are, as follows:

Wednesday, May 21, 2025 (hybrid) **Wednesday, October 15, 2025** (hybrid)
Wednesday, June 18, 2025 (hybrid) **Wednesday, November 12, 2025** (virtual)
Wednesday, September 10, 2025 (hybrid) **2026 Planning Meeting in December, TBD**

For links to the virtual meetings and RSVP for in-person attendance at hybrid meetings, please see our [Section Calendar](#).

NORTH JERSEY ACS MASS SPECTROMETRY DISCUSSION GROUP



Identification of early-stage NSCLC biomarkers from extracellular vesicle microenvironment identifies tumor and immune response biomarkers associated with cancer.

Speaker: **Todd Hembrough, Ph.D.**
 CEO and Co-Founder
 Nexosome Oncology



Updates on Plasma proteomics AND Targeted assays under complete GCP Validation

Speaker: **Valesca Anschau, Ph.D.**
 Associate Director,
 Biognosys, Inc.

Join the North Jersey ACS' Mass Spectrometry Discussion Group for a free event highlighting the cutting-edge in mass spectrometry. The event features a complimentary dinner followed by two talks sponsored by Biognosys, Inc.

Date: **Monday, May 19, 2025**
Time: 5:30 PM to 9:00 PM EST
Location: [Somerville Elks Lodge](#)

Sponsored by Biognosys

[Register here](#)



MARM 2025

One hundred years ago, the New Jersey Chemical Society affiliated itself with the American Chemical Society as their North Jersey Local Section. In its charter, the North Jersey ACS incorporated the principles of the New Jersey Chemical Society to the devotion to the welfare of its members, and to the advancement of chemical industry and chemical education within its jurisdiction. The North Jersey ACS is proudly hosting the 2025 Middle Atlantic Regional Meeting of the American Chemical Society to honor, in part, its 100th anniversary. MARM 2025 is being held on May 28-31, 2025 on the campus of Seton Hall University in South Orange, New Jersey.



MARM 2025 has an exciting lineup of [technical sessions](#), workshops and events for all registrants. The technical program includes over four hundred abstracts covering all aspects of the central science. Wednesday features an undergraduate research poster session. These talks and poster sessions will be augmented by a series of plenary speakers including Morten Meldal, 2022 Nobel Laureate in Chemistry, Phaedria Marie St. Hilaire, founder of the Professional Women of Color Network (ProWoC), and Rebecca Ruck, Associate Vice President, Process Research & Development at Merck. Friday will feature a Women Chemists Committee luncheon featuring 2025 WCC Chair Lorena Tribe. Saturday will feature programming for high school education including the regional [Chemagination](#) contest (see page 9 for details) and the guest speaker Roy G. Biv.

MARM 2025 will also feature a variety of workshops to round out the programming. These include the following:

- Developing Instructional Safety Strategies in Undergraduate Chemistry Labs
- Workshop on Empowering Academic Researchers Workshop to Strengthen Safety Culture
- Green Chemistry Workshop
- Luncheon & Conversations on Industrial Careers and Safety Competencies
- The Power of Mentoring
- Acing the Interview (ACS) Workshop
- Finding your pathway (ACS) Career Workshop

The Younger Chemists Committee is organizing fun activities including an ice cream social on Wednesday May 28th, afternoon tea and Green Chemistry on Thursday, May 29th, and a STEM related movie showing with popcorn on Friday evening.

The MARM Awards dinner will be held on Thursday evening at which time the 50-, 60-, and 70-year members of the North Jersey ACS will be honored.


Early bird registration ends May 2nd, so please [click here to register today](#).

OPPORTUNITIES AND CHALLENGES FOR WOMEN OF COLOR IN CHEMISTRY AT MARM 2025



MARM 2025

Opportunities and Challenges for Women of Color in Chemistry



Seton Hall University
Thursday May 29, 2025
9:00 - 12:00 PM



Yeimy Garcia
Vertex Pharmaceuticals



Malika Jeffries-EL
Boston University

Keynote Speaker



Phaedria St. Hillaire
P M Consulting



Danniebelle Haase
Dow Chemical



Annette S. Ortiz
Walters Art Museum

Deadline for submitting articles and advertisements for the June 2025 issue is **May 16, 2025**

EMPOWERING WOMEN IN ORGANIC CHEMISTRY AT MARM 2025

Empowering Women in Organic Chemistry

MARM 2025
Seton Hall University
May 30, 2025

ACS
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Women CHEMISTS Committee

Tianning Diao

Malika Jeffries-EL

Donna Huryn

Keynote Speaker

Makeda Tekle-Smith

Rebecca Ruck

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celebrating 100 years

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CHEMAGINATION AT MARM 2025

Contributed by Louise Lawter, 2025 Chemagination Chair

The regional Chemagination competition will take place in conjunction with [MARM 2025](#) sponsored by the North Jersey Section of the American Chemical Society. The Chemagination competition will take place on **Saturday afternoon, May 31st**.

For this event, high school students are asked to imagine that they are living 25 years in the future and have been invited to write an article for ChemMatters, an ACS magazine for high school students that focuses on the role of chemistry in everyday life. Students are also asked to design the magazine cover. The subject of the article is: "Describe a recent breakthrough or innovation in chemistry (and/or its applications) that has improved the quality of people's lives today." The article must be written as if it is the year 2050 and the 'author' describes innovations that have occurred since 2025. The innovation must fit into one of four categories: Alternative Energy, Environment, Medicine/Health, or New Materials. Prizes will be awarded in each of the four categories.

The First Place category winners from ACS Local Sections' Chemagination competitions are eligible to compete in this regional event. If this team cannot participate for any reason, the Second Place winner or other team can serve as an alternate. In addition, in lieu of holding their own formal Chemagination competition, a Local Section can choose to submit one team per category directly to the 2025 MARM Chemagination competition using their own selection process.

Chemagination is a unique experience for students in that it encourages the investigation of past, present and/or future discoveries in chemistry and related sciences. It also provides the opportunity for students to apply their creativity, and enhance their teamwork, public speaking and presentation skills. Please see the MARM 2025 Chemagination Competition Description & Rules for more details.

I hope that your Section will send teams to compete in MARM Chemagination this year! Please notify me at louise.lawter@gmail.com by April 8 if your section intends to participate. Also contact me if you have any questions.

KEY DEADLINES

April 8 - Local sections notify the MARM 2025 Chemagination Chair [Louise Lawter](#) of their intent to participate in MARM 2025 Chemagination

May 12 - Local Sections submit their estimate of the number of teams they will be sending to the MARM 2025 Chemagination

May 18 - Local sections submit the Chemagination entry forms, which include the article titles for each category and the name and contact information for each student. (Submission process will be announced at a later date)

May 24 - Teams submit their articles for pre-judging

May 31 - MARM 2025 Chemagination takes place at Seton Hall University

CELEBRATING FIFTY-, SIXTY-, AND SEVENTY-YEAR MEMBERS AT MARM 2025

The North Jersey Section ACS congratulates its members who have reached fifty-, sixty-, and seventy-year anniversaries and thanks them for their service to the American Chemical Society and their contributions to science. A reception and dinner to celebrate these milestones will take place on Thursday, May 29th beginning at 5:00 pm at MARM 2025.

Fifty Year Members

Dr Theodros Asberom	Dr Rosemary Delendick Mandella
Dr David Charles Calabro	Mr Christofer Megson
Dr Sowmei Lai Chen	Mr Joseph N Mihelic
Dr Howard John Freund	Mr Michael Gerard Motto
Dr Fred W Girshick	Dr Birendra Nath Pramanik
Dr Marc Halfon	Dr Alan J Rein
Ms Margaret Burdeene Hill	Dr Charles John Schramm Jr
Mr Michael Matthias Hollander	Mr Donald Edwin Seeger
Mr James Ivchenko	Mr Karl J Smith
Mr James Anthony La Marta	Mr Daniel Bernard Solarek
Mr Jack Edward Linard	Dr Sandra Swetnick Unger
Dr Frederick Lo	Dr Paul Joseph Vincenti
Dr John Lyga	Mr Frankie A Wong

Sixty Year Members

Mr Carlo Umberto Alfare	Dr Antonio Losurdo
Dr Sandor Barcza	Dr Maghar Singh Manhas
Dr Jeffrey Howard Berg	Mrs Frances J Matticoli
Dr Allen Bloom	Mr Eugene F Nowoswiat
Dr Charles Frank Bruno	Mr Edward J O'Bara
Dr Robert Brien Callen	Dr John Charles Previdi
Mr Robert Engel	Dr Mohindar Singh Puar
Dr Robert Glassman	Mr Richard Joseph Santangelo
Mr Bruce Goldberg	Dr Franz J Scheidl
Mr Leonard Gross	Ms Joan Barbara Seibert
Dr Robert Joseph Harvey	Dr Gurdial Mal Sharma
Mr Isadore Saul Heller	Dr Michael Siskin
Dr Roland F Hirsch	Mr David C Steinberg
Mr Webster Ransone Hudgins	Ms Mary Krystyna Stinson
Mr Richard Burt Jackson	Dr Ronald Stephen Strange
Dr Alan Hartland King	Dr Marvin Lawrence Tanzer
Dr Mary Yvonne D Lanzerotti	Dr Donald Knapp Webster
Dr Lawrence Robert Lerner	

Seventy Year Members

Dr Victor John Bauer	Mr John Thomas Moynihan
Ms Jeannette Elizabeth Brown	Dr Edward Stone
Mr John W Drew	Mr William Lewis Wade Jr
Dr Elijah Herman Gold	Mr Joseph Weisfeld
Dr Daniel Kruh	Mr Joseph Westheimer



NEW YORK SECTION MEETINGS

<http://www.newyorkacs.online>

2025 BOARD MEETING DATES

The New York ACS Board of Directors meetings dates for 2025, are, as follows:

Monday, June 9, 2025 (virtual)

Monday, September 8, 2025 (virtual)

Monday, November 3, 2025 (hybrid)

Prof. Eric Chang will Chair all meetings.
The meetings will start at precisely 6:30 PM.



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NEW YORK ACS 2025 ELECTIONS

The Board of Directors wishes to thank the following candidates for accepting the nominations for office in the New York ACS. We are grateful for their willingness to support the New York ACS and chemistry through donating their time, efforts, and sharing their expertise. Electronic ballots will be sent via email using Survey Monkey on May 1, 2025 to the membership of the New York ACS. Please make sure to Opt-In to receive Survey Monkey emails if you have opted-out in the past. If you do not receive the ballot, please contact the Section Office via email. **Please vote by May 31, 2025.**

Chair-Elect for 2026

Dr. Ish Kumar (Fairleigh Dickinson University)

Mr. Joseph Ulichny (Columbia University)

Treasurer for 2026 – 2027

Dr. Brian R. Gibney (Brooklyn College)

Director-at-Large for 2026

Dr. Daniel Amarante (Mercy University)

Dr. Andrew Cook

(University of Mount Saint Vincent)

Dr. Ron D'Amelia (Hofstra University)

Dr. Patricia Gonzalez (Lehman College)

Councilors for 2026 – 2028

Dr. Yosra Badiei (St. Peter's University)

Dr. Ping Furlan

(US Merchant Marine Academy)

Dr. Alison Hyslop (St. John's University)

Dr. Neil Jespersen (St. John's University)

Dr. Pamela Kerrigan

(University of Mount Saint Vincent)

Dr. Ruben Savizky (The Cooper Union)

Dr. Joseph Serafin (St. John's University)

[Download the candidate bios here](#)

DR. MARIE MAYNARD DALY AWARD : CALL FOR NOMINATIONS**Call for 2026 Inaugural Nominations****Dr. Marie Maynard Daly
Award****Presented by the New York
ACS Local section**

*To honor excellence in chemists and
chemical engineers from underrepresented
racial and ethnic groups*

**ACS** Local Section
New York

This annual award recognizes and honors **outstanding active professionals** in the fields of chemistry and chemical engineering who are high achievers in research careers in academic, industrial or government settings, and who identify as **Black (African ancestry), American Indian, Hispanic, Latino, Native of Alaska, Hawaii or other US Pacific Islands**. The awardee's career path to excellence should serve as an inspirational model for K-12 students, college students and early to mid-career scientists from similar backgrounds.

Nominees need to be active professionals in the United States or United States Territories as well as members of the American Chemical Society in good standing.

Nomination package (nominator's form, nominee CV, and two recommendation letters) should be sent as a single PDF to:
Daly-award@newyorkacs.org

Deadline: June 2nd, 2025

**About Dr. Marie M. Daly**

In 1947 Dr. Marie M. Daly became the first Black woman to receive a PhD in chemistry in the United States (Columbia University). In addition to her outstanding research in the field of Biochemistry (proteins, sugars, and cholesterol) she helped support programs to advance diversity in the chemistry profession. Learn more by watching this NYACS produced [video](#)

2025 FRANCES S. STERRETT ENVIRONMENTAL CHEMISTRY SYMPOSIUM

Save the date

PFAS – Forever Chemicals? In the Environment

What are the detection methods, harmful effects, and effective disposals ways for PolyFluoroAlkyl Substances (PFAS)?

Saturday, November 8, 2025
Hofstra University

The Frances S. Sterrett Environmental Chemistry Symposium is dedicated to presenting the public with up-to-date, factual scientific information on environmental topics. The symposium is organized by members of the Long Island Subsection of the American Chemical Society (LIACS) and cosponsored by the New York Section of the American Chemical Society (NYACS). For further information contact Dr. Ronald P. D'Amelia (ronald.p.damelia@Hofstra.edu) at 516-463-6278 or Dr. Paris Svoronos (psvoronos@gmail.com) or 718-631-7685.





26th ANNUAL CHEMISTRY CHALLENGE

The Chemistry Challenge is a quiz-style competition brought to you by the Long Island subsection of the American Chemical Society. The event features a fun, multiple choice test covering 75% General and 25% Organic Chemistry topics. Teams of up to 3 students (or a minimum of 2 students) will compete against each other. A maximum of 2 teams (or up to 6 students) can represent any institution. Gold and Silver metals along with Amazon gift cards will be awarded to the first & second top scoring teams in the 2-year and 4-year institution categories. Each team will be required to bring a smart device such as a cell phone, iPad, or tablet to submit answers. Participants will also be permitted to bring and use basic scientific calculators. Scrap paper and a periodic table will be provided. Winners will be announced at the end of the event! Gifts will also be raffled off to attendees. Faculty must register student participants but are **NOT Required** to attend. Contact Professor [Marlon Moreno](#) for more details.

Date: Friday, May 2, 2025

Place: St. John's University ([directions](#))
D'Angelo Center, Room 407

Time: 5:30 PM Check-in
6:00 PM. Chemistry Challenge

Please register by April 29, 2025 using this [registration link](#)

2026 WILLIAM H. NICHOLS MEDAL – CALL FOR NOMINATIONS

The New York ACS solicits nominations for the 2026 William H. Nichols Medal, the first award established by the American Chemical Society. Since 1903, the Nichols Medal has honored a chemical scientist for outstanding original research.

[Nominations for the 2026 Nichols Medal are due May 31, 2025](#)

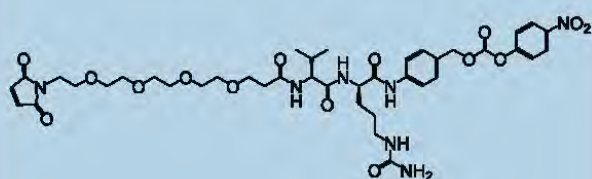
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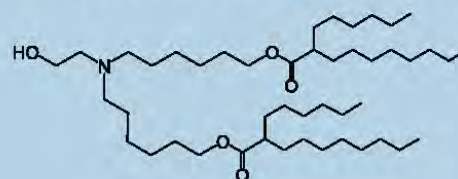


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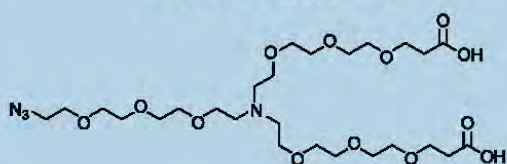
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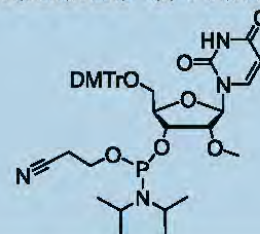
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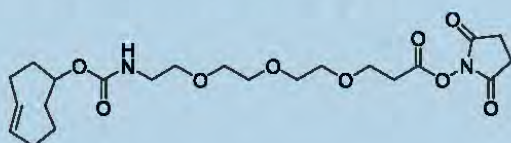
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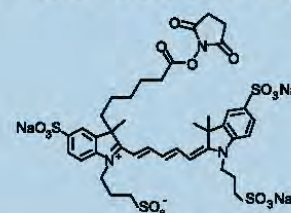
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LONG ISLAND SUBSECTION HIGH SCHOOL AWARDS DINNER

The Ebbs and Floods of Clams and Oysters, and What they Say About it

Speaker: Dr. Sixto Portillo
Date: Tuesday, May 6, 2025
Place: SUNY Old Westbury
Academic Building (NAB)
Room 1100
Orange building on [campus map](#)
Time: 6:00 PM

For the 36th consecutive year, the Long Island Subsection will be recognizing outstanding high school chemistry students from high schools in Nassau, Suffolk, and Queens counties. Teachers are invited to nominate their student(s) who have demonstrated a strong interest and who have excelled in the field of chemistry. Teachers from each school should consult science teacher colleagues and come to a consensus for selecting student(s), then complete the nomination form below by **Friday, May 2, 2025 (nomination deadline)**.

These students will be feted at a dinner in their honor on **Tuesday, May 6, 2025** with a keynote presentation by Dr. Sixto Portillo entitled: *The Ebbs and Floods of Clams and Oysters, and What they Say About it*.

[Download flyer here](#)



SEMINAR SPEAKERS WANTED

The New York Section wants to add to our Speakers Bureau database of local speakers who are available for Section-wide seminars and symposia. If you have an area of research or interest that would provide an interesting talk appropriate for our Section members, and would like to be included in our Speakers Bureau, please send an email to [Ms. Bernadette Taylor](#) with the following information that will be posted on the Section's website: your name, affiliation, a seminar title, and 5-6 words briefly summarizing your area of specialty. We look forward to hearing from you about topics that you wish to share with your fellow members!

COMMITTEE ON THE HISTORY OF THE NEW YORK LOCAL SECTION

The New York Section has participated in the designation of seven National Historic Chemical Landmarks and four New York Section Historic Chemical Landmarks, as detailed on its [website](#). These landmark programs recognize achievements in the chemical sciences and related areas, in order to enhance public appreciation for the contributions of the chemical sciences to modern life.

Please consider making a nomination for a historic chemical landmark - be it an achievement, a building or association. Send your nomination, with supporting documentation, to [Dr. Neil Jespersen](#), Chair, Committee on the History of the NY Section.

MEETING REPORTS

2025 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL PRESENTATION

Professor Benjamin F. Cravatt of The Scripps Research Institute was presented with the William H. Nichols Medal Award on April 11, 2025 following a distinguished symposium in his honor. Dr. Cravatt earned the Nichols gold Medal “for developing activity-based protein profiling and advancing covalent drug discovery.” As illustrated in the panoramic photo below, over one hundred fifty chemists and guests attended the day’s events. Mr. Joseph Wiener, Chair-Elect of the New York Section for 2025, superbly organized and conducted the symposium.



2025 William H. Nichols Distinguished Symposium Speakers and Attendees.

The William H. Nichols Distinguished Symposium, that preceded the award ceremony, was titled “Advancing Biology Through Innovations In Chemistry.” The attendees enjoyed an afternoon filled with entertaining and informative talks by the following internationally known speakers:

- Prof. Stavroula Hatzios (Yale University)
- Prof. Tom Muir (Princeton University)
- Prof. Damian Young (Baylor University)

The symposium was capped off in grand style with Prof. Cravatt’s 2025 Nichols Medalist Address entitled:

Tales of Atypical Ligand Discovery by Activity-Based Protein Profiling



New York ACS Chair-Elect Joseph Wiener opening the distinguished symposium

2025 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL PRESENTATION (continued)

The festivities began with the presentation of a Salute to Excellence award to St. John's University's Department of Chemistry for their steadfast support of New York ACS events, especially their role in hosting the 2025 William H. Nichols Distinguished Symposium. Prof. Elise Megehee accepted the plaque from New York ACS Chair Eric Chang and Immediate Past Chair Ping Furlan.

Pictured at right is Prof. Stavroula Hatzios (Yale University) whose lecture kicked off the Distinguished Symposium. She discussed an exploration of her research work focused on the production of molecular oxidants that contribute to disease. She used reactivity-guided proteomic and metabolomic approaches to identify ergothioneine, a sulfur-based antioxidant derived from dietary sources (mushrooms, liver, and black beans) which mitigates disease risk in humans.



2025 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL PRESENTATION (continued)

Prof. Tom Muir (Princeton University, pictured at left) delivered a lecture entitled *Chemical Approaches to Studying Chromatin* in which he discussed how genetic information is stored and accessed in eukaryotes. He discussed novel molecular tools in chemical biology that allow for spatial and temporal insights into epigenetic regulation.



Prof. Damian Young is pictured above delivering his lecture entitled *Systematic Chemical Diversity to Enable Biological Discovery* to a packed audience. His lecture describe his efforts to synthesize complex products whose structures are related by regiochemistry, absolute and relative stereochemistry and group identity for application to fragment-based drug discovery efforts.



Students from The Cooper Union enjoying the 2025 William H. Nichols Distinguished Symposium

2025 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL PRESENTATION (continued)



2025 William H. Nichols Medal Award Address by Prof. Benjamin F. Cravatt (Scripps Research Institute)



Undergraduate Myat Noe Khin (Adelphi University), Prof. Justyna Widera-Kalinowska (Adelphi University) and Prof. Ping Furlan (US Merchant Marine Academy) enjoying the reception.

2025 William H. Nichols medalist Prof. Benjamin Cravatt presented his award lecture, *Tales of Atypical Ligand Discovery by Activity-Based Protein Profiling* which was followed by a reception. His lecture not only expounded on his group's scientific discoveries in activity-based protein profiling and covalent drug discovery, but also tied together all the talks in the Distinguished Symposium.



Students from Lehman College – CUNY enjoying the 2025 William H. Nichols Distinguished Symposium

2025 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL PRESENTATION *(continued)*



ACS Fellows Ronald P. D'Amelia (Hofstra University) and Frank Romano (Agilent Technologies) enjoying the day's festivities.



ACS President Dorothy Phillips congratulated Prof. Cravatt on his pioneering work.

Following the reception, Prof. Cravatt was celebrated by dignitaries from the American Chemical Society (ACS President Dorothy Phillips and ACS Chief Executive Officer Albert Horvath) and introduced by Dr. Nancy Thornberry, Kallyope.



Kallyope CEO Dr. Nancy Thornberry introducing Prof. Benjamin Cravatt



ACS CEO Albert Horvath brought greetings on behalf of the American Chemical Society

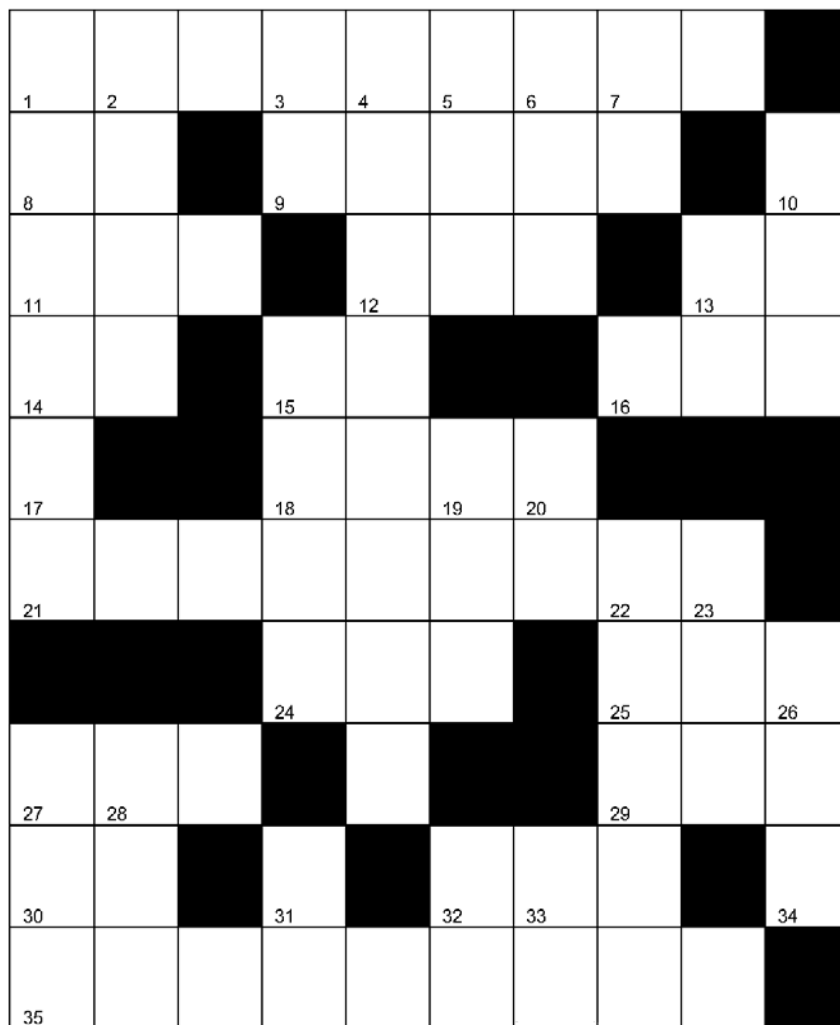
2025 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL PRESENTATION (continued)



Dr. Cravatt being presented with the engraved Nichols Medal by New York ACS Chair Eric Chang, Ph.D.



Nichols family members (L-R Molly Prockop, Sandy Nichols Nash, and Lyle Prockop) with ACS President Dorothy Phillips at the award dinner.

CROSSWORD PUZZLE*Contributed by Dr. Paris Svoronos***ACROSS**

- 1 The dehydration product of two carboxylic acid molecules
- 8 Element atomic number 58 (symbol)
- 9 Element atomic number 5
- 11 Indefinite long period of time
- 12 Measure of the linear density of fibers, known as denier
- 13 Chemical symbol for iron
- 14 State where the Oak Ridge Laboratory is located (postal abbreviation)
- 15 Second lightest noble gas
- 16 Canadian National Research Universal reactor initialism
- 18 A small picture or symbol on a computer ring
- 21 Swiss lithium-ion cells manufacturer
- 24 Alkenes' name ending
- 25 Tool used to chip wood
- 27 Alkanes' name ending
- 29 Charged element
- 30 Railroad initials
- 32 Unit of a theatrical play
- 35 Effect of a substance that speeds up a chemical reaction without being consumed itself

CROSSWORD PUZZLE (continued)**VERTICAL**

- ¹ The product of the reaction between an alcohol and an aldehyde
- ² The second lightest noble gas
- ³ Element atomic number 70 (symbol)
- ⁴ Twelve-carbon alkane
- ⁵ British Royal Radar Establishment initialism
- ⁶ Same as 27 across
- ⁷ Digital number initialism
- ¹⁰ Leucine's symbol
- ¹³ Element atomic number 87
- ¹⁵ Largest river in Africa
- ¹⁹ Ketone's ending
- ²⁰ Postal abbreviation for one of the Carolinas
- ²² Island off the state of Florida
- ²³ One of the Diels-Alder product substituent designations.
- ²⁶ Same as 24 across
- ²⁷ A file name extension of archive files
- ²⁸ Guns advocacy group(initials)
- ³¹ Element crucial for bone health (initials)
- ³² Affirmative word in congress voting
- ³³ Postal abbreviation for the state of Connecticut

ADVERTISE IN THE INDICATOR

Do you need to reach over 6,000 chemists in the tri-state area to inform them of your products/services to grow your business?

Whether your target audience is scientists working in industry, academia or government, The Indicator offers an affordable option for your marketing campaign. As shown at left, a ¼ page full-color advertisement costs only \$200 / month (\$1500/yr). The deadline for an ad placement is the 16th of the month prior to publication, so your ad can be published within two-weeks of receipt. Your advertisement will be seen on the first of the month by each member of the New York and North Jersey ACS. Semimonthly emails to these memberships will also include your advertisement ensuring full coverage of your potential clients.

[Contact our Ad Sales Manager for more details](#)



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\$200/month

\$1500/year

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DR. PARIS SVORONOS HONORED AS ACS OUTREACH VOLUNTEER OF THE YEAR

Dr. Paris Svoronos has been named the 2025 ACS Outreach Volunteer of the Year for his exceptional service and leadership in promoting environmental sustainability and community engagement. He was recognized for chairing the 2024 Sterrett Environmental Symposium, themed *"Microplastics – A Microproblem?"*, which brought national attention to a critical environmental issue. The event successfully gathered over a hundred participants—including scientists, educators, students, and community members—from across the country.

A longtime champion of outreach, Dr. Svoronos has been a driving force in the Long Island ACS Section, supporting the Chemistry Challenge and monthly seminar series, where he frequently contributes as a dynamic speaker. He also actively volunteers for New York ACS events, always leading by example.

The award was presented during the Long Island ACS seminar on April 10, 2025, where Dr. Svoronos captivated the audience with his talk, *The History of Dyes Through the Centuries*.

We extend our heartfelt congratulations and look forward to his continued leadership and inspiration!



Photo (L to R): Carlos Chavez, Ping Furlan, Panayiotis Meleties, Soraya Svoronos, Paris Svoronos, and Marlon Moreno. Photo courtesy of Zhe Wang.



NEW YORK ACS' CHEMISTS CELEBRATE EARTH WEEK 2025

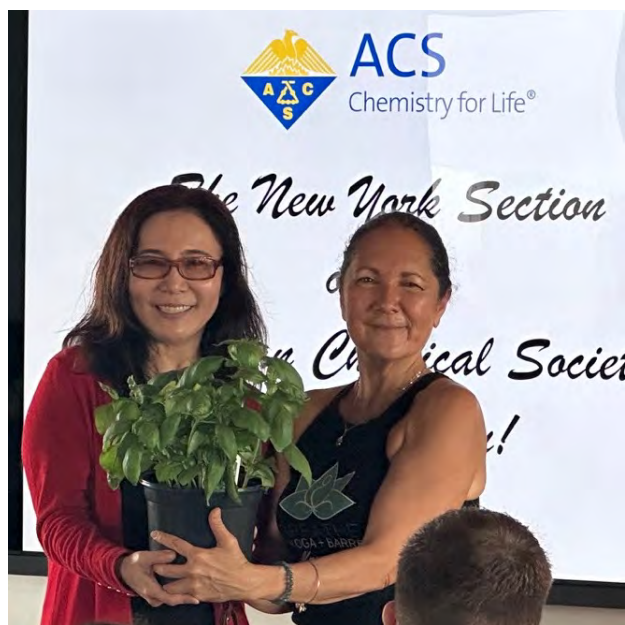
On Saturday, April 26, 2025 we celebrated our 12th Annual CCEW at the New York's famous Jones Beach! The 2025 CCEW theme is, "Glaciers! Hot Topic; Cool Chemistry." The day's festivities started with a "Blender Bar" where we served freshly prepared fruit smoothies for all and time for participants to mingle. The program then started with a welcome by the CCEW Coordinator, Dr. JaimeLee lolani Rizzo, greetings on behalf of the NY ACS by Past Chair, Dr. Ping Furlan, an overview of the Energy and Nature Center by one of their Educators, and greetings from a NY ACS Section Board Member, Frank Roman. Presentations were made by the ACS Student Chapter of Pace entitled, "Glacier Chemistry," and another by a native Alaskan and Pace student entitled, "Losing Land in Alaska" as shown directly below.

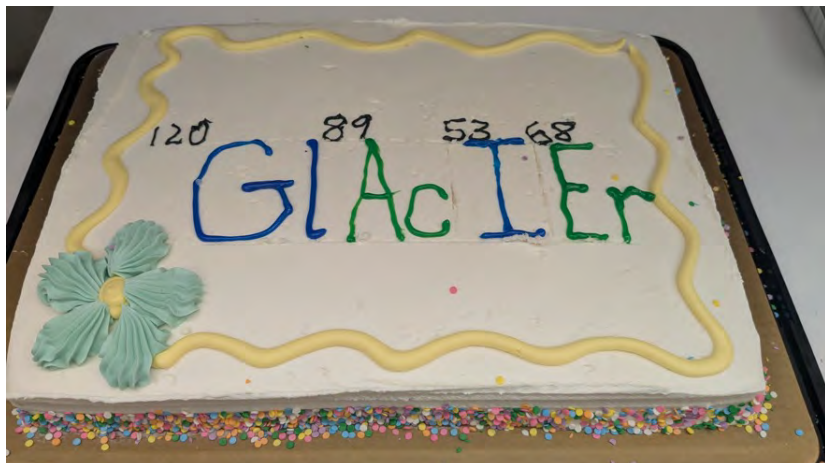


Following the talks everyone gathered in front of the Energy and Nature Center for a group photo (shown at top of page). The United States Merchant Marine Academy set up a number of hands-on demonstrations all relating to the CCEW theme. There were a number of young children who really enjoyed the demos, along with their families. After the demonstrations, some participants then hiked to the beach, others walked the boardwalk, while some explored the Energy and Nature Museum. Although it was a drizzly and overcast day everyone enjoyed the beautiful scenery and fresh salt air at Jones Beach.

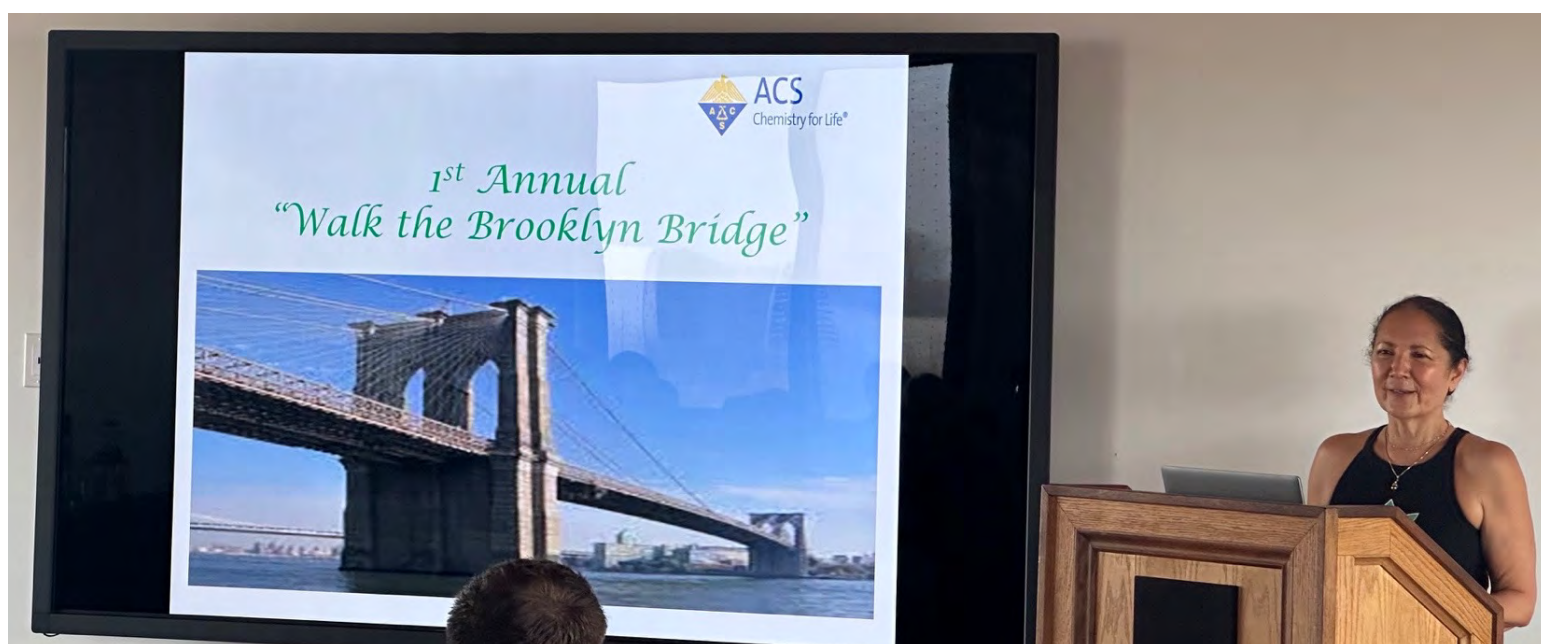
NEW YORK ACS' CHEMISTS CELEBRATE EARTH WEEK 2025 (continued)*The 'Blender Bar'**Student doing a Glacier Demo*

Earth day enthusiasts returned for lunch at the Nature Center where a variety of healthy salads, fruits, and more flavorful smoothies were prepared. All participants received Earth Day gift bags that included, BPA-free water bottle, bubbles, glacier themed gifts, lip balm, packets of seeds for planting, and other goodies. Everyone also received a small reusable potted planter that was filled with healthy nuts, dark chocolate granola and gummy worms. It was then time for a fun raffle when everyone returned from their journeys on the beach/boardwalk. Raffle gifts were based around the CCEW theme. The day's festivities concluded with desserts, which included a cake decorated with the logo, " ^{120}Gl ^{89}Ac ^{53}I ^{68}Er ", cookies, brownies, fruit, coffee, tea, and more smoothies.

*Healthy snacks in planters**A basil plant presented to Ping Furlan by JaimeLee Rizzo*

NEW YORK ACS' CHEMISTS CELEBRATE EARTH WEEK 2025 (continued)*The 'Glacier Cake'**Student doing a Water Demo*

Participants from the following schools and institutions included: Agilent Technologies, Brookhaven National Lab, Brooklyn College, Columbia University, Farmingdale State College, Glen Cove Senior Center, Greenwich Hospital, Icahn School of Medicine, Long Island City High School, Northwell Medical, North Shore High School, NYPD, Pace University – NYC, Pace University – PLV, Queens College, Queensborough CC, Central Park East High School, CUNY Graduate School University, Northeastern University, Park Avenue School Psychology Private Practice, Regis High School, Roslyn School District, Rye High School Chem Club, Seton Hall University, Shelter Rock Elementary School, The Summit School, Touro College, UC Davis, US Merchant Marine Academy, Wagging Tails of Westchester, Weill Cornell.



Organizer Prof. JamieLee Rizzo discussing the origins of the New York ACS Chemists Celebrate Earth Day (Week) events.

CALL FOR NOMINATIONS

2026 WILLIAM H. NICHOLS MEDAL – CALL FOR NOMINATIONS

The New York ACS seeks nominations for the 2026 Nichols Medal Award that was established in 1902 by Dr. William H. Nichols to honor a chemical scientist for outstanding original research. Dr. Nichols, an incorporator of the American Chemical Society and its president in 1918 and 1919, maintained a deep commitment to research and development and to the importance of supporting science education and students of chemistry. Since its inception, the New York Section administers the award. It has been perpetuated by the generosity of Dr. Nichols, his family, the Nichols Foundation, Inc. and the William H. Nichols Fund for Chemistry at the Boston Foundation. The William H. Nichols Medal is the first award in chemistry of the American Chemical Society.



[Nominations due May 31, 2025](#)

FACULTY – HONOR YOUR STUDENTS & POSTDOCS



Division of Organic Chemistry
Undergraduate Award

[Due June 17](#)

Graduate Student and Postdoctoral
Scholars Recognition Program

[Nominate by June 16](#)

Division of Physical Chemistry
Undergraduate Award

[Due June 15](#)

Division of Analytical Chemistry
Undergraduate Award

[Nominate by July 1](#)

ACS Division of Inorganic Chemistry
Undergraduate Award in Inorganic
Chemistry

[Nominations due June 30](#)

Pfizer Emergent Leader Award

[Apply by July 15](#)

OPPORTUNITIES

For High School Students & Teachers

ACS Hach Second Career Teacher Scholars
[Due May 1](#)

ACS–Hach Post-Baccalaureate Teacher
 Scholarship
[Due May 1](#)

ACS–Hach High School Chemistry Classroom
 Grant
[Due June 1](#)

For Undergraduates

ACS Student Communities Professional
 Meeting Grant
[Due May 15](#)

ACS Undergraduate Award in Physical
 Chemistry
[Due June 15](#)

Graduate Student and Postdoctoral Scholars
 Recognition Program
[Due June 16](#)

ACS Organic Division Undergraduate Awards
[Due June 17](#)

Undergraduate Award in Inorganic Chemistry
[Due June 30](#)

Undergraduate Award in Analytical Chemistry
[Due July 1](#)

For Graduate Students / Postdocs

Ciba/YCC Young Scientist Travel Award
[Due May 15](#)

Women Chemists Committee/Eli Lilly Travel
 Award
[Due June 1](#)

Division of Inorganic Chemistry Travel Award
[Due June 15](#)

Graduate Student and Postdoctoral Scholars
 Recognition Program
[Due June 16](#)

Arnold O. Beckman Postdoctoral Fellowship
[Letter of Intent due September 5](#)

Wednesday, May 14th, 2025 | 2:00 PM - 3:15 PM EDT

Shared Roots with Divergent Paths

Exploring Discovery R&D in Pharma
 and Agrochemistry

Co-produced with ACS Industry Member Programs

For Professionals

Senior Chemists Mini Grant for Local
 Sections
[Due May 31](#)

Local Section Member Engagement and
 Enhancement (LS-MEET) Grant
[Due May 31](#)

William H. Nichols Medal
[Due May 31](#)

Women Chemists Committee Rising Star
 Award
[Due June 15](#)

Paul J. Flory Polymer Education Award
[Due July 1](#)

Pfizer Emergent Leader Award
[Due July 15](#)

Industrial Polymer Scientist Award
[Due July 31](#)

NEWS FROM OUR PARTNERS**SOCIÉTÉ DE CHIMIE INDUSTRIELLE**

As chemical companies face increasingly complex supply chains, rising customer expectations, and the ongoing demand for operational excellence, the role of digital platforms is rapidly evolving. Solutions like CRM, ERP, PIM, and automation tools are no longer just supporting functions—they have become strategic growth drivers at the core of modern chemical business operations.

Join us as we examine:

- The strategic evolution of CRM and ERP systems in chemicals
- The role of automation in bridging operational gaps and boosting efficiency
- How Product Information Management (PIM) is a critical component of digital automation
- Key success factors for scaling digital platforms in a highly regulated industry
- Lessons learned from real-world implementations and what is next on the horizon

This session will offer valuable insights for C-level executives, digital leaders, operations professionals, and anyone invested in the future of chemical industry infrastructure.

A 30-minute virtual networking session will take place immediately after the panel presentation, providing an opportunity to connect with other attendees and the speakers.

Jennifer McCarthy, VP Business Development, Xenon arc, is the moderator for this event.

[Register here.](#)



Société de Chimie Industrielle
Founded 1918

[WEBINAR]
**The Evolution of Digital Platforms
in the Chemical Industry:
CRM/ERP Automation and the
Customer Experience**

Wednesday, May 21, 2025

Webinar: 1 PM - 2 PM ET

Virtual Networking: 2 PM - 2:30 PM ET

Speakers



Liliana Diesterhoeft
*Commercial Excellence
Manager, EMEA*
Allnex



Riccardo Porta
*Senior Director for
Customer Experience*
Dow



Tanja Tschech
*Digital Transformation
Manager*
Röhm



Jennifer McCarthy
VP, Business Development
Xenon arc
(Moderator)

NEWS FROM OUR PARTNERS (continued)**DIVISION OF CHEMICAL HEALTH AND SAFETY**

American Chemical Society | Division of Chemical Health and Safety

2025 Spring Professional Development Workshops

CH&S
CONNECTING CHEMISTRY AND SAFETY

Day	Topic	Speaker
Mon May 5 1-5 pm ET	Why Fume Hoods Go Wrong	Victor Neuman
Tues May 6 1-5 pm ET	Laboratory Waste Management	Russ Phifer
Wed May 7 1-5 pm ET	Convincing Others About Safety	Jim Kaufman
Thu May 8 1-5 pm ET	Methylene Chloride Compliance	Tim Barton
Fri May 9 1-5 pm ET	Chemical Hygiene Officer	Russ / Jim

Visit our website for more information: www.dchas.org

Registration Deadline: April 25
\$214 per workshop

Safety first, safety last, safety always! Join the Division of Chemical Health and Safety for a week of virtual CHAS Professional Development Workshops from May 5-9, 2025. Each workshop is focused on a different safety issue: fume hoods, waste management, safety culture, CH_2Cl_2 compliance, and the role of the chemical hygiene officer. The registration deadline has been extended to May 2, 2025 and each workshop cost \$214 inclusive of fees.

[Register via Eventbrite here](#)

PENN STATE EBERLY COLLEGE OF SCIENCE: POSTDOC TO PI SYMPOSIUM

PennState
Eberly College
of Science

Department
of Chemistry

Postdoc to PI Symposium 2025
July 9 & 10

A two-day workshop and professional development event for postdoctoral scholars pursuing independent faculty careers. The program simulates an on-site interview and includes: a research seminar, one-on-one faculty meetings, and an optional future research presentation.

Visit <https://bit.ly/3YkINFC> or scan the QR code for more information on Eligibility and the Application Process



NEWS FROM OUR PARTNERS (continued)


ACS Green Chemistry Institute
Pharmaceutical Roundtable

2025 Green Chemistry Research Grants

Proposal Deadline
May 16, 2025

[LEARN MORE](#)

**ACS GREEN CHEMISTRY INSTITUTE
PHARMACEUTICAL RESEARCH GRANTS**

The ACS Green Chemistry Institute Pharmaceutical Roundtable is currently accepting proposals for the 2025 GCIPR Research Grants. These grants support impactful work in key synthetic and process chemistry challenges that contribute to more sustainable pharmaceutical development.

[Due May 16](#)

NEW YORK ACADEMY OF SCIENCES


The Chemical Biology Discussion Group End-of-Year Symposium

Keynote Speaker

Jack Taunton, PhD
University of California, San Francisco

📍 Weill Cornell Medicine (NYC)
📅 May 28, 2025

events.nyas.org/cbye25



Join the NYACS OrganicChemistry Topical Group at 12:30PM on May 28 for an inspiring day of cutting-edge research and collaboration at the NYAS Chemical Biology Discussion Group End-of-Year Symposium! Keynote speaker Jack Taunton, PhD, Professor at University of California, San Francisco is a leader in the field of structure-based drug design.

[Register here](#)

The Academy and [West End Labs - New York](#) invites you to a powerful two-day symposium, Vaccines and Therapies for Chronic Viral Diseases, in NYC on May 21-22.

From HIV and HCV to HBV and beyond, chronic viral infections continue to impact millions worldwide. This event brings together world-renowned virologists, clinicians, and regulatory experts to share the latest in vaccine development, therapeutic innovations, and translational research.

[Register here](#)



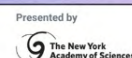
Vaccines and Therapies for Chronic Viral Diseases

Keynote Speaker

Galit Alter, PhD
Ragon Institute of MGH, MIT and Harvard

📍 NYC and virtual
📅 May 21-22, 2025

events.nyas.org/vaccines



west end labs

JOB BOARD

Starting your career or looking for the next challenge? Review postings at the New York ACS [Job Board](#). Email your job postings to Jobs@NewYorkACS.org for inclusion.

Academic Positions

Tenure-Track Assistant Professor in Chemistry – The Cooper Union

[Apply here](#)

Fulltime Tenure Track Faculty in Chemistry – Quinnipiac University

[Apply here](#)

Visiting Assistant Professor of Chemistry – Union College

[Apply here](#)

Visiting Assistant Professor of Chemistry – Haverford College

[Apply here](#)

Tenure-Track Assistant Professor of Chemistry – St. Joseph’s University

[Apply here](#)

College Laboratory Technician (Chemistry and Biochemistry) – Brooklyn College

[Apply here](#)

Industrial Positions

Scientist, Adhesive Technology – Henkel

[Apply here](#)

(Senior) Research Technician / Associate Neuroscience – Nilo Therapeutics

[Apply here](#)

**Research Scientist 3, Chemistry
NJ Department of Environmental Protection**

[Apply here](#)

Director, Translational Bioinformatics, Daichi-Sanyo

[Apply here](#)

Director of Mass Spectrometry, AR&D – Merck

[Apply here](#)

**Postdoctoral Research Associate, Advanced Scanning
Transmission Electron Microscopy – Brookhaven National Laboratory**

[Apply here](#)

Technical Specialist – BASF

[Apply here](#)

Senior Scientist, Formulation Development – Regeneron

[Apply here](#)

