

# THE Indicator

Serving 6,200 ACS Members

2026 ACS Volunteer Service Awardee



  
**ChemLuminary  
Awards**



2025 NYACS Outstanding  
Service Awardee



An Embarrassment of Award Riches  
*See page 5*



**ACS** Local Section  
North Jersey



**ACS** Local Section  
New York

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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.

**CONTENTS**

This Month in Chemical History	3
September Calendar	4
NYACS and NJACS Volunteers Honored with ChemLuminary Awards	5
ACS Fellow Honors	8
New York ACS Section Meetings	10
NYACS Officer 2025 Elections	10
NYACS Westchester Chemical Society	11
NYACS Frances S. Sterrett Environmental Chemistry Symposium	12
National Chemistry Week	13
North Jersey ACS Section Meetings	14
NJACS Mass Spectrometry Discussion Group	14
NJACS NMR Topical Group	15
NJACS Organic Topical Group: Call for Abstracts	17
NJACS Chromatography Topical Group	18
Crossword Puzzle	20
Opportunities	22
News From Our Partners	23
Job Board	25

**EDITORIAL DEADLINES**

October 2025	September 16, 2025
November 2025	October 16, 2025
December 2025	November 16, 2025
January 2026	December 16, 2025
February 2026	January 16, 2026
March 2026	February 16, 2026

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## ***THIS MONTH IN CHEMICAL HISTORY***

Harold Goldwhite, California State University, Los Angeles • [hgoldwh@calstatela.edu](mailto:hgoldwh@calstatela.edu)

Another “find” in my bookshelves this month is that admirable but neglected textbook “Experimental Inorganic Chemistry” written by W. G. Palmer, Fellow of St. John’s College, Cambridge, and published in 1954 by Cambridge University Press. Dr. Palmer was an important laboratory instructor in both physical and inorganic chemistry at Cambridge and in his Preface to this book he points out the contrast between the number of laboratory hours spent by most undergraduates in the exploration of the chemistry of a single element, carbon, and the number spent on the other over 100 elements. His textbook is an attempt to partly redress the balance.

An introductory section touches on atomic structure and bonding and goes into more depth on crystal structures of compounds and the metallic and non-metallic elements. A practical section on crystallization follows and then an overview of chemical analytic methods and electrochemical processes. (Notably absent, but characteristic of the period, is any mention of physical or spectroscopic methods. I was engaged in my own Ph.D. studies at Cambridge at this time. I recall that while there was an infrared instrument in the Department, you had to make an appointment and get your supervisor to approve before you could submit a sample for analysis. Of course, NMR was still a decade away.)

The rest of the book is devoted to preparations and analyses of inorganic compounds by Group numbers. Group 1A deals lightly with presumably familiar sodium and potassium compounds (and includes a discussion of ammonium compounds). Group 1B deals in some detail with cuprous and argentous compounds and gives detailed preparations for, among others, cuprous oxide; lithium cuprichloride; silver carbonate; and silver orthophosphate. There is a discussion of the use of silver salts to establish the basicity of polybasic oxo-acids.

Group IIA is so familiar that it is lightly touched on. Group IIB receives in-depth treatment with preparations and analyses of a number of mercuric complexes. There is also a discussion of the mercuration of phenol and of thiophene.

Group III includes boron, aluminum, and the lanthanons. In addition to preparations and analyses of some borates and aluminates there are similar descriptions of simple cerium compounds and an experiment on separation of lanthanum and neodymium compounds. This detailed experiment shows how challenging the chemical separation of the lanthanides is. To quote: “...starting with a material in which the percentage of Nd is 50-60 Welsbach’s method raises the percentage of neodymium to 71, and the fractionation from nitric acid again increases this percentage to 89.”

I won’t bore you with detailed descriptions of each of the remaining groups; your local library may have a copy of this impressive text. I will skip directly to Group VIII and a discussion of d-orbitals and magnetic properties. This text was produced well before any discussions of crystal- and ligand-field theories of transition metal complexes were available. To quote Palmer: “...no developed theory by which the stability of such compounds can be explained or predicted has yet been put forward.” He points out the challenges to such a theory. The stable CO complexes – the metal carbonyls of Cr, Fe, Co and Ni. The unreactivity of the hexamine of Co to concentrated sulfuric acid etc.

I wish I could tell you that I benefitted by taking Dr. Palmer’s course and that it turned me towards inorganic chemistry. I cannot; I don’t even recall being given the opportunity. I do recall a Summer School course of analytical chemistry that made a great impression. But like most of my class I took more organic and biochemistry. It was my post-doctoral work on fluorine chemistry and my initial research areas as a faculty member at Manchester where I worked on iron carbonyl chemistry and also on mercury compounds that turned me towards inorganic chemistry and along with my colleague Jack Spielman I taught courses in that area at Cal. State, Los Angeles for many years.

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## September Calendar

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**NORTH JERSEY SECTION****Wednesday, September 10, 2025**

Executive Committee Meeting

*See page 14***Tuesday, September 16, 2025**

NJACS Mass Spectrometry Topical Group

*See page 14***SAVE THE DATES****Friday, October 3, 2025**

NJACS Chromatography Topical Group

*See page 18***Thursday, October 16, 2025**

Abstract Deadline : NJACS Organic Topical Group

*See page 17***Friday, October 17, 2025**

NJACS NMR Spectroscopy Topical Group

*See page 15***NEW YORK SECTION****Monday, September 8, 2025**

Board of Directors Meeting

*See page 10***Thursday, September 18, 2025**

Westchester Chemical Society

*See page 11***SAVE THE DATES****Sunday, October 19, 2025**

National Chemistry Week Celebration

*See page 13***Saturday, November 8, 2025**

Frances S. Sterrett Environmental Chemistry Symposium

*See page 12*


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## Ad Index

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Micron.....	10
Robertson - Microlit.....	18
Quantum Analytics Group.....	19

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[Abstracts due September 29, 2025](#)

**NYACS AND NJACS VOLUNTEERS HONORED WITH CHEMLUMINARY AWARDS**

At the [2025 Annual ChemLuminary Awards Ceremony](#) in Washington, D.C. on August 17, the volunteers of the New York and North Jersey Sections of the American Chemical Society were honored with a total of five national awards, a testament to the creativity, passion, and impact of our volunteers. These awards included:

- **Outstanding U.S. National Chemistry Olympiad** was earned by the North Jersey ACS for their 2024 efforts which brought 379 students from 41 high schools and 33 independent students to sit for the local exam. 7 of the national exam nominees received High Honors or Honors and 2 students were selected for the study camp, the highest recognition!



- **Outstanding Project SEED Program Award (Large Site)** was awarded to the New York ACS for efforts led by *Nadia Makar*, hosting 59 students at 14 research institutions and empowering underrepresented youth through hands-on research, mentoring, and scholarships. Alumni advanced to top-tier universities and earned prestigious awards including ACS, Gates, and Questbridge scholarships.





## NYACS AND NJACS VOLUNTEERS HONORED WITH CHEMLUMINARY AWARDS (continued)



- **Outstanding Sustainability Activities** was awarded to the New York ACS for organization of the Frances S. Sterrett Environmental Chemistry Symposium chaired by *Paris Svoronos*, with *Ronald D'Amelia*, both pictured above helping secure distinguished speakers. The symposium brought together 140+ participants across the U.S. for expert-led discussions on microplastics, health, and detection technologies, highlighting chemistry's role in solving global challenges.
- **Outstanding Public Outreach Event Organized by a Student Group** was awarded to the New York ACS for Pace University's Student Members of the ACS organizing the Chemistry of Love event under the leadership of *Jaimelee Rizzo*. This creative outreach event connected science with everyday life through talks, demonstrations, and interactive activities, making chemistry approachable and joyful for 125 attendees.



- **Outstanding Performance by a Local Section in the Very Large Size Category** was awarded to the New York ACS for the collective efforts of all NYACS volunteers whose diverse programming, outreach, and leadership continue to inspire and elevate the chemistry community.

***KATHLEEN KRISTIAN SELECTED AS OUTSTANDING SERVICE AWARDEE***

The New York ACS is proud to announce that Dr. Kathleen Kristian of Iona University has been selected as the recipient of the 2025 Outstanding Service Award. Dr. Kristian has more than a decade of impactful contributions to programming, outreach, education, and inclusion at the New York ACS. As 2022 NYACS Chair, Dr. Kristian led the Section to two national ChemLuminary Awards, recognizing excellence in programming and member engagement. She is the founding organizer of the Frontiers in Chemistry Symposium (2012–2019), a widely respected interdisciplinary forum that fostered collaboration among academia, industry, and students across the region. Since 2022, she has hosted the U.S. National Chemistry Olympiad Exam at Iona University and played a lead role in coordinating the laboratory portion, helping to prepare and inspire the next generation of chemists.



A dedicated advocate for inclusion in STEM, Dr. Kristian co-led the year-long Dr. Marie Daly Celebration, which included the ACS National Historic Chemical Landmark Dedication, and the "Picture a Scientist" panel discussion. Dr. Kristian will be formally honored at the 2026 NYACS Sectionwide Conference.

***PING FURLAN SELECTED AS ACS VOLUNTEER AWARDEE***

Join our colleagues in the New York ACS in congratulating Prof. Ping Furlan of the U.S. Merchant Marine Academy on her selection as the national 2026 ACS Volunteer Service Awardee. Her selection follows that of 2025 Awardee Patricia Redden, thus this is the second year in a row that a New York ACS volunteer has been honored with this most prestigious award.

Ping has served for over 30 years in the Erie and New York Local Sections, the Middle Atlantic Region, and nationally on the ACS Student Affiliates Grant Review Committee, and over 25 years as an advisor to an ACS Student Chapter. Ping has served as the Chair of the Long Island Subsection in 2019, and more recently as 2024 Chair of the New York ACS.

An extraordinary outreach volunteer, Ping has Chaired/co-Chaired the New York ACS Celebration of National Chemistry Week for more than a decade, organized the Erie ACS' NCW celebration for nine years, and was show director for Erie ACS's Millcreek Mall Chemistry show for seven years. She also chaired the Undergraduate Program at the Boston ACS Meeting in 2007. She will present her award address at the ACS Fall 2026 meeting in Chicago.

[Read the C&EN article here](#)



## ***NJACS' MARILYN (BOBBI) GORMAN EARNS ACS FELLOW HONORS***

The American Chemical Society (ACS) has named Marilyn (Bobbi) Gorman of the North Jersey Section, and a retired chemistry teacher from North Brunswick Township High School, as ACS Fellow for 2025. Bobbi was one of 36 ACS members inducted as an ACS fellow this year. The fellows program began in 2009 to recognize and honor ACS members for outstanding achievements in and contributions to science, the profession and ACS.

For her contributions to the Science/Profession, Bobbi has been recognized for excellence in teaching, exceptional mentoring of youths and adults, and engaging in programs that enrich their learning both inside and outside the classroom.

Bobbi has also been a major contributor to the ACS Community where she has had leadership roles in

education and outreach, and more than 35 years of outstanding service to Project SEED. A thank you letter from one of her students summarizes Bobbi's impact to both her students and the SEED Program, as excerpted below:



*Past President of the ACS Mary Carrol presented Marilyn (Bobbi) Gorman her 2025 Fellows certificate and pin at the 2025 ACS Fall Meeting in Washington, D.C.*

*“Mrs. Gorman was my chemistry teacher at Abraham Clark High School nearly fourteen years ago and by her enrolling me in the SEED program, was one of the reasons why I am a practitioner to this very day. This program not only allowed me to work with chemists directly, it set the tone for me to be able to improve my critical thinking. It helped me develop skills in being able to write and present research findings at a college level...The SEED program was not only a great educational experience but through it I gained a lot of confidence in myself which is something I have been able to build on for many years and I am grateful.”*





### **NYACS' PAMELA KERRIGAN EARNS ACS FELLOW HONORS**

Associate Dean of the School of Natural and Mathematical Sciences and Professor of Chemistry Pamela Kerrigan of the University of Mount Saint Vincent was selected as an American Chemical Society (ACS) Fellow. Pam is one of 36 ACS members inducted as an ACS fellow this year. Pam is being honored for outstanding achievements in and contributions to science, the profession and ACS.

In terms of service to the ACS, Pamela Kerrigan is being recognized for her extensive engagement and leadership at the National, regional, and local section levels for over 30 years, serving as chair, secretary and councilor for NY section and faculty advisor to the student chemistry club at the University of Mount Saint Vincent for over 30 years.

Pam has been a fixture in the New York ACS' celebration of National Chemistry Week for more than two decades, she was co-General Chair of MARM 2016,

and most recently she has added responsibilities as Chair of the Biochemical Topical Group. At the national level, Pam served on SOCED for six years, and was Program Chair for the Undergraduate Program at the ACS Meeting in Anaheim in 2004.

Pam is also being recognized for her dedication to undergraduate research opportunities on the interface between chemistry and biology, improving science literacy, and implementing strong retention programs at her university. This includes her organization of multiple Undergraduate Research Symposia, service to the National Research Honor Society, Sigma Xi, as a member of their Board of Director, and publication of an AP Chemistry Test Preparation book.



*Past President of the ACS Mary Carrol presented Pamela Kerrigan her 2025 Fellows certificate and pin at the 2025 ACS Fall Meeting in Washington, D.C.*

## 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, 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 certified the election results at their June 8, 2025 meeting. The Board congratulates the officers elected, given below, and thanks all the volunteers willing to be candidates in this year's election.

#### Chair-Elect for 2026

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. Patricia Gonzalez (Lehman College)

#### Councilors for 2026 – 2028

Dr. Ping Furlan

(US Merchant Marine Academy)

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

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

#### Alternate Councilors for 2026 – 2028

Dr. Pamela Kerrigan

(University of Mount Saint Vincent)

Dr. Ruben Savizky (The Cooper Union)

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

### 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 by contacting [Dr. Neil Jespersen](#), Chair, Committee on the History of the NY Section.

**WESTCHESTER CHEMICAL SOCIETY****The Chemistry of Tattoos**

**Speaker:** Geeta Govindarajoo, Ph.D.  
Teaching Professor  
Department of Chemistry and  
Chemical Biology  
Rutgers, State University of New Jersey

**Date:** **Thursday, September 18, 2025**

**Place:** Westchester Community College  
75 Grasslands Road  
Valhalla, NY 10595  
Gateway Center, Room 110

**Time:** Coffee Hour 5:30 PM  
Speaker: 6:00PM



Tattoos – adornment; a mechanism of personal expression; medical device? Let us explore the chemistry behind tattoo inks (temporary and permanent) along with science behind the process and risks of obtaining a tattoo. How much does skin mimic the properties of a linen or cotton canvas? Chemistry comes into play again in the removal process (ouch!) of tattoos. The potential of tattoos as medical devices and the impact of tattooing on the human immune response will also be discussed.

[Download flyer here](#)

**The Indicator is posted to the web on the 1<sup>ST</sup> of each month**  
<http://www.theindicator.org/>

**WESTCHESTER CHEMICAL SOCIETY DISTINGUISHED SCIENTISTS AWARD  
2026 – CALL FOR NOMINATIONS**

The Westchester Chemical Society is now accepting nominations for the “WCS Distinguished Scientist Award 2026”. Scientists who live or work in Westchester or the Bronx qualify. Nominees can be from private companies or educational institutions or government. The awardee is expected to attend the Awards Dinner (April/May time-frame) and to present aspects of his or her work. Self-nominations are acceptable. Nominations are carried over for 3 years from previous years. New and possibly updated nominations should be submitted. Please send a cover letter stating why your nominee should receive the award along with the nominee's resume by **December 15, 2025** to Dr. Peter Corfield at [pcorfield@fordham.edu](mailto:pcorfield@fordham.edu). The list of Westchester Distinguished Scientists is given on this [webpage](#).



## 2025 FRANCES S. STERRETT ENVIRONMENTAL CHEMISTRY SYMPOSIUM

### 2025 Frances S. Sterrett Environmental Chemistry Symposium

#### PFAS – Forever Chemicals or Solvable Crisis?

Detection Methods, Harmful Effects, and Cleanup Strategies for Per- & Poly-fluoroalkyl Substances

Saturday, November 8<sup>th</sup>, 2025; 9:00 am – 3:00 pm

Berliner Hall Room 117, Hofstra University; Hempstead, NY 11549-1000

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); This event is made possible with the support of Hofstra University's Chemistry Department, ACS Senior Chemists Committee and Shimadzu Scientific Instruments. We invite you to join us and gain invaluable insights from field experts as they shed light on the pervasive issue of PFAS contamination; and explore the latest advancements in assessment methods, regulatory policies, and mitigation strategies to tackle this pressing environmental challenge.

#### Dr. Graham F. Peaslee

Professor Emeritus

Department of Physics & Astronomy;  
University of Notre Dame

*The elephant in the room: measuring PFAS and total organic fluorine.\**

#### Dr. Arjun K. Venkatesan

Associate Professor

Department of Civil & Environmental Engineering;  
New Jersey Institute of Technology

*PFAS in the environment: challenges in understanding their occurrence, fate, and treatment.*

#### Mr. James L. Neri

Senior Vice President, Director of Municipal Engineering  
H2M Architects + Engineers

*Forever chemicals and the quest for sustainable solutions: understanding PFAS and our Role.*

#### Dr. Bridger J. Ruyle

Assistant Professor

Department of Civil, Urban, and Environmental  
Engineering; New York University

*The contributions of polyfluoroalkyl substances to PFAS contamination and biogeochemistry at major aquatic point sources.*

#### Mr. Alireza Arhami Dolatabad

PhD Student

Department of Civil and Environmental Engineering;  
University of Missouri

*Breaking the chain: thermal degradation of PFAS and the challenge of volatile PFCs\**

#### Dr. James Tour

T. T. and W. F. Chao Professor

NanoCarbon Center; Rice University

*Removal of PFAS from soil and destruction of PFAS while generating valuable materials in the process.\**

#### Dr. Lokesh P. Padhye

Associate Professor, Associate Director of Emerging  
Contaminant Research

School of Marine and Atmospheric Sciences;  
Stony Brook University

*Addressing the persistence of per- and polyfluoroalkyl substances (PFAS): current challenges and potential solutions.*

#### Dr. Yuemei Ye

Assistant Professor

Department of Chemistry; Lehman University

*PFAS transformation and remediation: from environmental release to innovative cleanup strategies.*

#### Ms. Jiefei Cao

PhD Student

Department of Civil and Environmental Engineering;  
University of Missouri

*PFAS removal from reverse osmosis and nanofiltration brine by granular activated carbon: Thermodynamic insights into salinity effects.\**

**Note:** this symposium offers both in-person and virtual experiences; Zoom presentations are indicated with a "\*".



Registration (free): 2025-Sterrett

Contact: [Dr. Paris Svoronos](#)  
[Dr. Ronald P. D'Amelia](#)  
[Dr. Ping Furlan](#)



## Support the Sterrett Environmental Chemistry Symposium

### Sponsorship Tiers:

Bronze	\$250	Logo on website and in program Recognition signage at coffee station
Silver	\$500	Logo on website, ½ page ad in program Recognition signage at lunch
Gold	\$1,000	Logo on website, full-page/cover ad in program Recognition signage at coffee station & lunch

To be included in the printed program, please submit your information by **October 18, 2025**. For more information, email [psvoronos@gmail.com](mailto:psvoronos@gmail.com), [Ronald.P.D'Amelia@hofstra.edu](mailto:Ronald.P.D'Amelia@hofstra.edu), or [ping.furlan@gmail.com](mailto:ping.furlan@gmail.com)



**NATIONAL CHEMISTRY WEEK CELEBRATION AT NEW YORK HALL OF SCIENCE**

**ACS** Local Section  
New York  
National Chemistry Week

**Announcing the 2025 National Chemistry Week Celebration**

**Where:** New York Hall of Science

**When:** Sunday, October 19<sup>th</sup>, 2025

**Time:** 10:00 am – 4:00 pm

**Theme:** The Hidden Life of Spices

Please register in the link below if you would like to volunteer, sponsor/lead a Demo, or just provide a donation.

**[Volunteer/Demo Registration Link](#)**

In order to make a donation or pay for table rental – please use this

**[NYACS Donation Link](#)**.

**Looking forward to a great Celebration in 2025**

Please contact [Joseph Wiener](#) and [Ping Furlan](#) for more information





## 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, September 10, 2025** (hybrid)  
**Wednesday, October 15, 2025** (hybrid)  
**Wednesday, November 12, 2025** (virtual)  
**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 TOPICAL GROUP

Join the North Jersey ACS' Mass Spectrometry Discussion Group for a free event symposium and vendor fair. Two speakers, Prof. Gary J. Patti (Washington University in St. Louis) and Dr. Russell P. Grant (LabCorp) will discuss their latest research. Dr. Grant's presentation is entitled: "From Vein to Cloud; Automating the LC-MS/MS Bioanalytical Process"

**Date:** Tuesday, September 16, 2025

**Time:** 3:30 PM to 8:45 PM EST

**Location:** The Palace at Somerset Park  
 333 Davidson Avenue  
 Somerset, NJ

[Register here](#)

[Download Flyer here](#)



### 2025 NJACS MSDG SYMPOSIUM AND VENDOR SHOW

#### SPEAKERS



Prof. Gary J. Patti  
 Washington University  
 in St. Louis



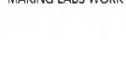
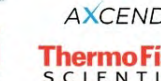
Dr. Russell P. Grant  
 LabCorp

TIME: 3:30 PM - 8:45 PM  
 DATE: **SEPTEMBER 16, 2025**  
 The Palace at Somerset Park  
 333 Davidson Avenue, Somerset, NJ



2025 Vendor Show is hosted by NJ-ACS Mass Spec Discussion Group. Registration is free, compliments of our sponsors.

3:30 - 5:30 PM	Meet Your Vendor (Refreshments/Karaoke Bar)
5:30 - 6:15 PM	Dr. Russell Grant Presentation
6:15 - 7:30 PM	Buffet Dinner
7:30 - 7:40 PM	Raffle Prize Announcement
7:45 - 8:30 PM	Dr. Gary J. Patti Presentation
8:30 - 8:45 PM	Closing Remarks + MSDG Raffle






## **NORTH JERSEY ACS NMR TOPICAL GROUP**

The North Jersey ACS NMR Topical Group has some exciting news for the NMR community! We are delighted to announce the lineup of speakers for this year's NJACS NMR annual symposium being held at Princeton University on Friday, October 17, 2025 from 8:45AM to 8:00PM. Join us for a diverse range of cutting-edge NMR presentations and an excellent opportunity to connect and network with fellow NMR scientists. Don't miss out on this inspiring event!!

[Register here](#)




**The North Jersey ACS NMR Topical Group**  
*presents its*  
**Annual NMR Symposium**  
**October 17<sup>th</sup>, 2025**


**Princeton University, Princeton, NJ 08544**  
More information available on our website: <https://www.njacs.org/topical-group/nmr-spectroscopy/>

The Symposium is **FREE** of charge to all attendees, registration is required.


\*\*\*\*\*  
**Morning session (9:20 - 12:00 pm EDT)**



**Tatyana Polenova**  
*University of Delaware*




**Yande Huang**  
*BMS*




**Theresa A. Ramelot**  
*Rensselaer Polytechnic Institute*

**Keynote session (1:00 - 2:10 pm EDT)**




**Stephan Grzesiek**  
*University of Basel*

**Afternoon session (2:10 - 4:40 pm EDT)**



**Dominique P. Frueh**  
*Johns Hopkins Medicine*



**Alicia N. Jones**  
*New York University*

\*\*\*\*\*

**NORTH JERSEY ACS NMR TOPICAL GROUP**



**North Jersey Section**  
American Chemical Society



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**Program**

**Morning Session (9:20 – 10:30 PM EDT)**

8:45 - 9:20: Breakfast/check in

9:20 - 9:30: Rongfeng Zheng, 2025 Chair NJACS NMR Topical Group

*Opening Remarks*

9:30 - 10:15: Tatyana Polenova, University of Delaware

*MAS NMR, with and without DNP for integrative and cellular structural biology*

**Coffee Break (10:15 – 10:30 EDT)**

10:30 - 11:15: Yande Huang, Bristol Myers Squibb

*NMR Study of the Inclusion Complexation of Cyclodextrins with Cimlanod, a pH Sensitive Prodrug of HNO*

11:15 - 12:00: Theresa A. Ramelot, Rensselaer Polytechnic Institute

*Modeling Protein Flexibility: NMR-Guided Detection of Hidden States Revealed by AlphaFold*

**Lunch (12:00 - 1:00 PM EDT)**

1:00 - 2:10: **Keynote Session** Stephan Grzesiek, University of Basel

*A high-resolution description of G protein-coupled receptor functional motions by backbone NMR spectroscopy*

**Coffee Break/Networking (2:10 – 3:00 PM EDT)**

3:00 – 3:45: Dominique P. Frueh, Johns Hopkins Medicine

*Finding Needles in Haystacks; Overcoming NMR spectroscopic crowding to unravel functional protein dynamics*

3:45 – 4:30: Alicia N. Jones, New York University

*Investigating the structural dynamics of noncoding RNAs*

4:30 – 4:40: QingZhe Ni, 2026 Chair NJACS NMR Topical Group

*Closing Remarks*

**Dinner Reception (6:00 - 8:00 PM EDT)**

(Invitation only for speakers and donors/NJACS NMR group committee)

Register on the website here: <https://www.njacs.org/event/annual-nmr-symposium/>

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**QUALYTICS**

**Deadline for submitting articles and advertisements  
for the October 2025 issue is September 16, 2025**



***NORTH JERSEY ACS ORGANIC TOPICAL GROUP: CALL FOR ABSTRACTS***

Local graduate students, undergraduate students, and post-docs in chemistry are encouraged to submit an abstract to be considered for a poster session at the New Horizons in Organic Synthesis symposium. This provides an excellent opportunity to share science, get up-to-date with recent developments in organic synthesis and network with the NJ organic chemistry community.

Abstract Guidelines: < 300 words (indicate name, PI, institution, & graduate level)

Topics: Synthesis, Catalysis, Drug Discovery and Development

Abstract Deadline: **October 16th, 2025**

Email Abstract to: [Prof. Magnus Bebbington](mailto:bebbingtonm@montclair.edu) with subject line: NJACS Poster Abstract

Acceptance date: October 23<sup>rd</sup>, 2025

[Register here](#)

ACS NORTH JERSEY ORGANIC TOPICAL  
GROUP PRESENTS  
**NEW HORIZONS IN ORGANIC SYNTHESIS**

November 20th, 2025  
9:00am - 5:00pm

The Marigold  
315 CHURCHILL AVE  
SOMERSET, NJ 08873

## CALL FOR ABSTRACTS

Local graduate students, undergraduate students, and post-docs in chemistry are encouraged to submit an abstract to be considered for a poster session to be held during the symposium's coffee breaks. This presents an excellent opportunity to share science, get up-to-date with recent developments in organic synthesis and network with the NJ organic chemistry community.

**Abstract Guidelines:** < 300 words  
Please also indicate name, PI, institution, & graduate level.

**Topics:** Synthesis, Catalysis, Drug Discovery and Development

**Deadline:** October 16th, 2025

**Email to:** Prof. Magnus Bebbington,  
[bebbingtonm@montclair.edu](mailto:bebbingtonm@montclair.edu)

**Subject line:** NJACS Poster Abstract

**Acceptance date:** October 23<sup>rd</sup>, 2025

### Speakers

 Prof. David Nagib Ohio State University	 Prof. Guangbin Dong University of Chicago
 Prof. Martin Tomanik NYU	 Dr. Trevor Sherwood BMS
 Prof. Mary Watson University of Delaware	 Dr. Zhixun Wang Merck



**NORTH JERSEY ACS CHROMATOGRAPHY TOPICAL GROUP**

Join the North Jersey ACS Chromatography Group at their annual symposium, entitled:

**Recent Advances in Chromatography for the Development of Novel Modalities**

This symposium will feature distinguished speakers discussing their work on the leading edge of separation science. This event is FREE and includes lunch, so please RSVP.

**Date:** Friday, October 3, 2025

**Time:** 10:00 AM to 3:00 PM EST

**Location:** DoubleTree  
200 Atrium Drive  
Somerset, NJ 08878

[Register here](#)



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- Protein as N2

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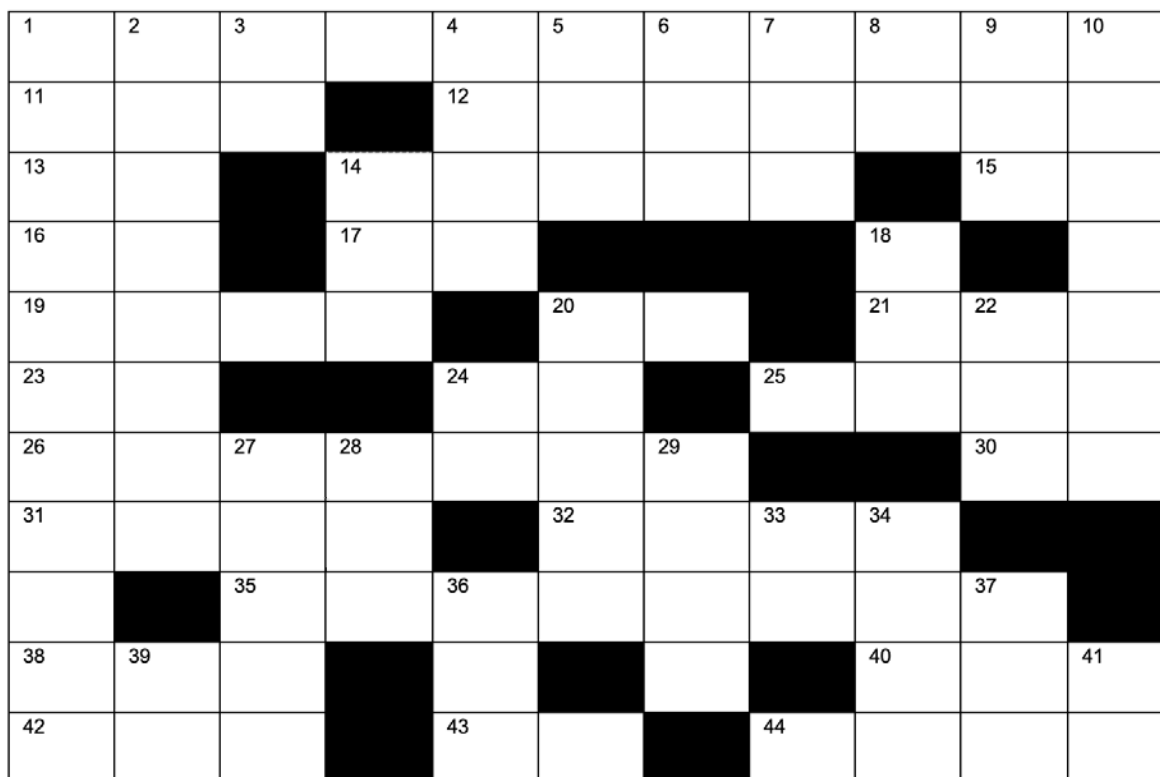
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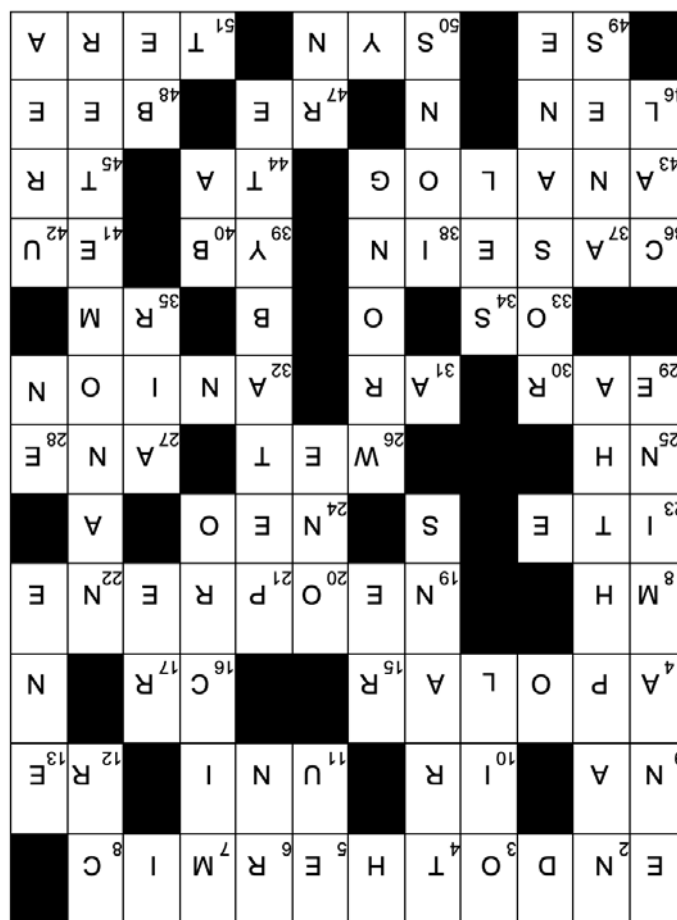
**CROSSWORD PUZZLE***Contributed by Dr. Paris Svoronos and Jun Shin***ACROSS**

- <sup>1</sup> Name of the reaction used to prepare 2-aminopyridine from pyridine and sodium amide
- <sup>11</sup> Gas mixture surrounding earth
- <sup>12</sup> Conjugate base of ethanoic acid
- <sup>13</sup> Radioactive noble gas (symbol)
- <sup>14</sup> General name for any alkyl aromatic hydrocarbon
- <sup>15</sup> Union of European countries or element atomic number 63 (symbol)
- <sup>16</sup> Abbreviation for a Bachelor of Science
- <sup>17</sup> Memory card used to transfer data in various electronic devices (initials)
- <sup>19</sup> Woodwind instrument
- <sup>20</sup> Element that is a member of the halogen group (symbol)
- <sup>21</sup> Same as 11 across
- <sup>23</sup> Rare earth metal of atomic number 58 (symbol)
- <sup>24</sup> Augmented reality (initials) or noble gas (symbol)
- <sup>25</sup> Continent
- <sup>26</sup> Name of the reaction that leads to the synthesis of alkyl phosphonate from trialkyl phosphite
- <sup>30</sup> Chicago's US state (initials)
- <sup>31</sup> Thank God it's Friday (initials)
- <sup>32</sup> General name for an acid that partially dissociates in water
- <sup>35</sup> Unit of ionizing radiation in x-rays
- <sup>38</sup> Organic Biochemical Journal (initials)
- <sup>40</sup> The highest level of any performance as seen a movie title for best pilots
- <sup>42</sup> Part of the US Department of Health and Human Services located in Bethesda, MD (initials)
- <sup>43</sup> Element atomic number 31 (symbol)
- <sup>44</sup> A pair of valence electrons not shared with another atom in a covalent bond.



**CROSSWORD PUZZLE (continued)****VERTICAL**

- 1 Positively charged carbon that does not obey the octet rule
- 2 Chemical test identifying an amine as primary, secondary or tertiary
- 3 Spectroscopic technique used to identify functional groups in chemical compounds (initials)
- 4 A Lewis acid that is identified by its small size, high density and low polarizability
- 5 A solid form of water
- 6 Shortened name for Benjamin
- 7 The suffix of a common oxanion containing the most oxygen atoms
- 8 Element atomic number 56 (symbol)
- 9 The suffix of a common oxoanion other than 7 vertical
- 10 Substance with no net electric charge
- 14 Enzyme suffix
- 18 State of matter
- 20 Name for a macrocyclic ether
- 22 Latin numeral for number 3
- 24 Phoenix and Tucson are located in this state (initials)
- 27 Name of a reaction that converts benzene rings in to 1,4-cyclohexadienes
- 28 Unidentified flying object (initials)
- 29 Legal action to unilaterally stop an official action
- 33 Jewelry metal (initials) or a metal ion used to test the presence of chloride ion (symbol)
- 34 Very low carb, high fat diet or enol's reverse structural isomer
- 36 Energy unit equaling 100 nanojoules
- 37 Prefix indicating absence of
- 39 Element atomic number 83 (symbol)
- 41 Abbreviation initials for polyethylene



June 2025 Puzzle Solution



## OPPORTUNITIES

### *For High School Students & Teachers*

ACS-CES Award for Incorporation of Sustainability Into Chemical Education

[Due September 30](#)

### *For Undergraduates*

ACS Student Communities Professional Meeting Grant

[Due September 15](#)

### *For Graduate Students / Postdocs*

Arnold O. Beckman Postdoctoral Fellowship

[Letter of Intent due September 5](#)

Miller Research Postdoctoral Fellowship

[Nomination due September 12](#)

[Application due October 10](#)

Early Career Postdoctoral-Faculty Bridge Grant

[Due September 19](#)

Heh-Won Chang, PhD Fellowship in Green Chemistry

[Due November 3](#)

Joseph Breen Memorial Fellowship

[Due November 3](#)

### *For Professionals*

Local Section Inclusion and Belonging Grant

[Due September 15](#)

ACS PrepareCPT Seed Grant

[Due September 16](#)

Principal Investigator Development in Sustainability Grant

[Due September 19](#)

Science Café Mini-Grant

[Due September 30](#)

ACS-CES Award for Incorporation of Sustainability Into Chemical Education

[Due September 30](#)

Rising Scholars in Green Chemistry Education Award

[Due November 3](#)

Career Achievement in Green Chemistry Education

[Due November 3](#)



**ACS Pride Merck Graduate Award: APPLY NOW!**

- Receive a \$1,500 stipend
- Present at the 2026 Spring ACS Meeting
- Be partnered with an industry mentor from Merck for 1 year

**REMINDER: DEADLINE APPROACHING**

Don't miss your chance to be in the 2026 cohort! **DUE SEPTEMBER 5<sup>TH</sup>**

APPLICATIONS DUE **SEPTEMBER 5<sup>TH</sup>**

QR code for more info:

ACS and Merck logos are present at the bottom.

### **ACS PRF GRANTS**

[American Chemical Society Petroleum Research Grants](#) support fundamental research in the petroleum field, and development of the next generation of engineers and scientists through advanced scientific education. Research areas supported include chemistry, the earth sciences, chemical and petroleum engineering, and related fields such as polymers and materials science. **Proposals are due by 5:00 pm ET Friday, September 5, 2025.**



**Make Our Future Greener Through Hydrocarbon Research**



## NEWS FROM OUR PARTNERS

## Ph.D. Program in Chemistry Information Session



**4-Fridays:**  
Sept. 12th, Oct. 10th,  
Nov. 14th, Dec. 5th

**11am-12pm**

**Online via Zoom**

These sessions are for prospective applicants interested in applying for Fall 2026 admission to the Ph.D. Program in Chemistry. Attendees will have the opportunity to ask questions about funding, time to degree, research opportunities, and more.

After registering, you will receive a confirmation email about joining the meeting.

[Register Here](#)



Sponsored by the Ph.D. Program in Chemistry at the CUNY Graduate Center

 **GRADUATE CENTER**

## THINKING OF PURSUING A GRADUATE DEGREE?

Are you a junior or senior who is thinking about pursuing a graduate degree, but unsure of how it fits into your career plans, what the application process entails, and what to expect? The ACS offers a great resource, [Graduate School Reality Check](#), to use while you consider your options along with the ACS' [ChemIDP](#), an online planning tool.

In addition, the Graduate Center of the City University of New York offers Information Sessions via Zoom on four Friday's this fall. Join one online and hear about the process of applying to graduate school and ask questions of the program leadership.

[Register here](#)

## ACS ANNOUNCES \$2.5M TO SUPPORT GRADUATE STUDENT SUCCESS

### ACS Graduate Student Success Grant

- **Goal:** Support M.S. and Ph.D. students within one year of degree completion who have been impacted by the termination or cancellation of their advisor's research grant(s).
- **Amount:** \$25,000 for one year per research institution (up to 100 grants total)
- **Submission Window:** September 15 – October 1, 2025
- **For additional information visit the website:**

[www.acs.org/gradsuccessgrant](http://www.acs.org/gradsuccessgrant)



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## ACS Graduate Student Success Grant



**SUBMISSIONS OPEN SEPTEMBER 15, 2025**

## NEWS FROM OUR PARTNERS (continued)

### EASTERN ANALYTICAL SYMPOSIUM

EAS is accepting applications for the position of student representative for 2025-2027. Candidates will need to be either an undergraduate or graduate **full-time** student through mid-2027. The role of the student representative is to work directly with the EAS publicity committee, creating posts for EAS social media platforms throughout the entire year and leading social media initiatives to increase engagement with EAS.

[Read more here](#)



**EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION**  
Across The Analytical Spectrum  
Diversity of Scientific Ideas  
November 17-19, 2025

Become part of EAS  
**Call for 2025-26 STUDENT REPRESENTATIVE**

**Get an affiliation with the EAS governing board.**

- Work directly with the EAS Publicity & Social Media Committee creating posts for EAS social media
- The affiliation starts November of 2025 with a maximum duration of 2 years.

**Requirements:**

- Full-time undergraduate or graduate student
- Candidate should live within driving distance (~4-5 hrs.) of Princeton, NJ
- Knowledge of social media platforms
- Current enrollment in a discipline related to analytical sciences
- Applications consisting of a CV and a cover letter
- Application deadline of **September 15, 2025**

### SOCIÉTÉ DE CHIMIE INDUSTRIELLE



Société de Chimie Industrielle  
**WEBINAR**  
**The Stock Market's View of Chemicals: What is Hot and What is Not**  
Thursday, September 25, 2025  
1 PM – 2 PM ET

**Featured Speaker**  
  
**John Roberts**  
Managing Director  
Mizuho Securities USA

Société invites you to attend our webinar, The Stock Market's View of Chemicals: What is Hot and What is Not, on Thursday, September 25, 2025, from 1 - 2 PM ET. This fireside chat will feature John Roberts CFA, CPA, MSChE, MBA, Managing Director at Mizuho and a leading stock market equity research analyst, who will be interviewed by Peter Young, CEO of Young & Partners LLC.

[Register here.](#)

### NEW YORK SOCIETY OF COSMETIC CHEMISTS

The NYSCC invites you to attend its in person sensory science event which will explore how texture, fragrance, aesthetics, and overall product appeal influence customer satisfactions and brand differentiation.

**Date:** Wednesday, September 10, 2025  
**Place:** The Venetian  
546 River Drive  
Garfield, NJ 07026  
**Time:** 3:30 – 7:30 PM  
**Cost:** \$10 (NYSCC Members until 9/2)  
\$25 (NYSCC Members as of 9/3)  
\$125 (Non-Members)

[Register here](#)



**The Science of Sensory Experiences in Beauty & Personal Care Products**  
**September 10th**  
**3:30pm – 7:30pm**



***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](mailto:Jobs@NewYorkACS.org) for inclusion.

***Academic Positions***

**Adjunct Faculty, Biological & Chemical Sciences – New York Institute of Technology**  
**Visiting Assistant Professor of Chemistry – Seton Hall University** [Apply here](#)

**Assistant Professor, Chemistry – The College of New Jersey** [Apply here](#)

**Assistant or Associate Professor of Chemistry – Marist College** [Apply here](#)

**Assistant Professor of Chemistry (Physical Chemistry)– Lafayette College** [Apply here](#)

**Tenure-Track Faculty Position in Medicinal Chemistry – Rutgers University** [Apply here](#)

**Clinical Assistant Professor of Biology or Chemistry –  
University of Mount Saint Vincent**

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**Scientist in Radiation Chemistry – Brookhaven National Laboratories**

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***Industrial Positions***

**Principal Scientist, Biological Analytics R&D – Merck**

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**Lab Technician (12 month contract) – Revlon**

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**Research Associate, Analytical Chemistry – OSMO**

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**Director of R&D – Epogee**

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**Director, Analytical R&D – Merck**

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