

THE Indicator

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Triple Awardee Patricia A. Redden, Ph.D.
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ACS Local Section
New York



ACS Local Section
North Jersey

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THIS MONTH IN CHEMICAL HISTORY

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

A few weeks ago I marked my retirement from the Cal. State, Los Angeles teaching faculty, after 62 years, by clearing out my office. I came across a few books that I plan to include in my series of columns on great chemistry books of the 20th. Century. Since one of these that I plan to cover in my next month's column is by a distinguished chemist, now largely forgotten or overlooked, and almost certainly unknown to most of my readers, I am devoting this month's column to that chemist: Nevil Sidgwick.

Sidgwick was born in May 1873 in Oxford, England. His father was an academic. He was educated at the famous private Rugby School (where the game of rugby was invented!) and earned a scholarship to Christ Church College, Oxford. His tutor there was Vernon Harcourt, a pioneer in chemical kinetics. He earned first class honors in both science and "Greats" (a mix of classical Greek and Latin literature, philosophy, etc.) a quite rare distinction. He followed his first love, science, by spending a short time in Ostwald's laboratory, but illness forced him to go back to England. After he recovered he travelled to Tübingen and worked for two years in the laboratory of Hans von Pechmann. His dissertation on acetone-dicarboxylic acid earned him a D.Sc. in 1901. On the strength of this achievement he was elected to a Fellowship at Lincoln College Oxford. He took up this appointment in Fall 1901 and remained a Fellow of Lincoln until his death in March 1952.

Sidgwick devoted his career to the study of chemical valence and the chemical bond. He wrote several books on this and related subjects, three of which: "The Organic Chemistry of Nitrogen" (1910); "Electronic theory of Valency" (1927); and "The Chemical Elements and their Compounds" (1950, 2 volumes); I regard as among the great chemistry books of the 20th. Century. Quite remarkably two of them were published forty years apart.

Sidgwick was very active professionally. He was sent as a representative of the British Association for the Advancement of Science to its meeting in Australia in 1914. A fellow passenger on the outward voyage was Sir Ernest Rutherford and the two became friends. On the return journey Sidgwick became acquainted with another famous scientist, Professor Arthur Eddington, astronomer, cosmologist, and extraordinary science writer. (I recommend Eddington's book "The Nature of the Physical World"). He was elected as a Fellow of the Royal Society in 1922. He spent a semester at Cornell University in 1931 and presented the Baker Lecture series for that semester on "Physical Properties of the Covalent Link in Chemistry". A rare "double" at Cornell, Sidgwick was invited back in 1950 to share a lecture series with Schlesinger on "The Hydrides of Boron"; Schlesinger for the experimental aspects and Sidgwick for the state of then-current theory. Sidgwick was elected president of The Faraday Society (the physical chemists' society in the U.K. at that time) for 1932 – 34; vice-president of the Royal Society in 1935-37; and President of The Chemical Society for 1935 – 37.

Sidgwick was a chemical theoretician who made important contributions to the understanding of chemical bonding, including the effects of hydrogen bonding on physical properties. His biographical memoir, published by the Royal Society, is by Henry Tizard, an Oxford chemist and inventor. It covers 26 pages, lists well over 100 publications, and does full justice to the life and career of this important 20th. Century chemist.

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THE Indicator

<http://www.theindicator.org/>

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EDITORIAL DEADLINES

October 2024	September 16, 2024
November 2024	October 16, 2024
December 2024	November 16, 2024
January 2025	December 16, 2024
February 2025	January 16, 2025
March 2025	February 16, 2025

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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.

September Calendar

NEW YORK SECTION

Thursday, September 5, 2024

Long Island Subsection

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Thursday, September 5, 2024

Westchester Chemical Society

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Monday, September 16, 2024

Board of Directors Meeting

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SAVE THE DATES

Thursday, October 10, 2024

Westchester Chemical Society

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Sunday, October 13, 2024

National Chemistry Week at the New York Hall of Science

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Thursday, October 24, 2024

Hudson–Bergen Subsection

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Saturday, November 9, 2024

Frances S. Sterrett Environmental Symposium

See page 21

NORTH JERSEY SECTION

Wednesday, September 11, 2024

Executive Committee Meeting

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Monday, September 16, 2024

Mass Spectrometry Discussion Group

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Tuesday, September 24, 2024

Drug Metabolism Discussion Group

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SAVE THE DATE

Saturday, October 19, 2024

ChemExpo at Liberty Science Center

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NORTH JERSEY ACS's MIRLINDA BIBA HONORED AS ACS FELLOW

The officers of the North Jersey Section of the American Chemical Society congratulate Dr. Mirlinda Biba, 2021 Chair of the Section and Senior Principal Scientist at Merck and Co., for being chosen as a 2024 ACS Fellow. Mirlinda is one of thirty-seven eminent research scientists, business leaders, educators, and entrepreneurs who were honored at the Fellows Award Ceremony which took place during the ACS Fall Meeting in Denver, Colorado.



The American Chemical Society Fellows Program was created by the ACS Board of Directors in December 2008 to recognize members of the ACS for outstanding achievements in and contributions to science, the profession, and the Society. Mirlinda is credited for her contributions to the field of analytical chemistry for the discovery and development of pharmaceuticals, for strong scientific mentorship, and for outstanding service and leadership to the ACS North Jersey Local Section, the ACS Division of Analytical Chemistry, and commitment for diversity and inclusion in the chemistry community.

CHEMLUMINARY AWARD FOR NORTH JERSEY ACS

The North Jersey ACS Younger Chemists Committee were honored with the Outstanding Local Section Younger Chemists Committee ChemLuminary Award at the ACS Fall Meeting in Denver, Colorado. The NJACS YCCs activities in 2023 included the "How to Translate Your Academic Studies into an Industry Career" series of seminars as well as hosting a symposium at the Middle Atlantic Regional Meeting. Congratulations to Mary Okorie and Tiffany Olivera!



Pictured (L-R) Katherine Johnson (YCC Chair), Mirlinda Biba (NJACS Past Chair), Bettyann Howson (NJACS Secretary), Michael Peddicord (NJACS Councilor), Mohammed Elshaer (NJACS Councilor) and ACS President Mary Carroll

DR. BENJAMIN F. CRAVATT SELECTED AS THE 2025 WILLIAM H. NICHOLS MEDALIST FOR DEVELOPING ACTIVITY-BASED PROTEIN PROFILING AND ADVANCING COVALENT DRUG DISCOVERY

The New York Section of the American Chemical Society proudly announces Professor Benjamin F. Cravatt has been selected to be the William H. Nichols Medalist for 2025. Professor Cravatt is the Norton B. Gilula Chair of Chemical Biology in the Department of Chemistry at The Scripps Research Institute. He is being honored for *developing activity-based protein profiling and advancing covalent drug discovery*. The Nichols Medal Award will be presented following the Distinguished Symposium in his honor, entitled:

Advancing biology through innovations in chemistry

Full details will be featured in upcoming editions of The Indicator and on the New York ACS website.



PROFESSOR PATRICIA REDDEN EARNS RARE HAT-TRICK OF ACS HONORS

Dr. Patricia A. Redden, Professor Emerita at Saint Peter's University, has been awarded three prestigious honors by the American Chemical Society. She received the 2024 Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences Award sponsored by the ACS Committee on Minority Affairs at MARM2024 in June. Dr. Redden also received the 2024 Chemists with Disabilities Inclusion ChemLuminary Award (detailed above) for her organization of the ['Teaching Students with Disabilities'](#) symposium. Prof. Redden also earned the [2025 ACS Volunteer Service Award](#) which will be presented at the Spring ACS National Meeting and Exposition in San Diego. Pat has relentlessly advocated for chemists with disabilities, served on various ACS governance committees, and promoted diversity, equity, and inclusion throughout her nearly 50 years as an ACS volunteer. Dr. Redden's enduring impact and dedication to inclusion are foundational to her being named the well-deserved recipient of these prestigious awards.



Dr. Patricia Redden (center) being presented the Stanley C. Israel Award by ACS Board member Wayne Jones (left) and MARM Award Chair Marsha Grimminger (at right)

NEW YORK ACS's CHARLES BRUMLIK AND SUNGHEE LEE HONORED AS ACS FELLOWS

Each year, the American Chemical Society honors a group of its members who have distinguished themselves as outstanding contributors to the chemical science and also to the ACS Community: its Divisions, Local Sections and members. This year, on Monday, August 19, two of our distinguished NYACS members were numbered among the 37 new ACS Fellows honored at a ceremony held at the Fall ACS Meeting in Denver, CO.

Charles J. Brumlik, of Nanobiz LLC, was recognized for outstanding expertise in nanomaterials applications and commercialization; leadership at the intersection of science, intellectual property, and business; and mentorship of hundreds of scientists to help solve humanity's big challenges. He was also recognized for outstanding ACS National and New York Local Section programs, including NASA symposia and Leadership Awards, and for a tireless commitment to mentoring early career scientists in their first jobs.



Pictured (L-R) Neil Jespersen, Rita Upmacis, 2024 ACS Fellow Inductee Prof. Sunghee Lee, NYACS Past-Chair Mary Virginia Orna, Frank Romano, and Marilyn Jespersen

Sunghee Lee, of Iona University (pictured above), was recognized for outstanding contributions to biointerface science, mentoring nearly 100 undergraduate students to amass a significant publication record, and excellence in the integration of undergraduate education and research. She was also recognized for dedicated service to the ACS Committee on Professional Training and for promoting excellence in chemistry at the K-12 level, the NYACS, and in the broader community while passionately developing initiatives that foster diversity.

CHEMLUMINARY AWARDS FOR NEW YORK ACS



Pictured (L-R) Lori Stepan (ACS Committee on Community Activities Chair), Maria Contel (NYACS Councilor), Mary Virginia Orna (NYACS Past-Chair), Rita Upmancis (NYACS Councilor), Alison Hyslop (NYACS Councilor), Frank Romano (NYACS Councilor), Neil Jespersen (ACS Councilor) and ACS President-Elect Dorothy Phillips

The volunteers of the New York ACS were honored at the 26th Annual ChemLuminary Awards held during the Fall ACS Meeting & Exposition in Denver. The New York ACS earned the following six ChemLuminary Awards:

- *Best Activity or Program Stimulating Member Involvement* honors our year-long celebration of Dr. Marie Maynard Daly including the dedication of a [National Historic Chemical Landmark](#) at Columbia University
- *Best Overall Local Section Minority Affairs Committee* honors our outreach about Dr. Marie Maynard Daly using [a short documentary film](#)
- *Chemists with Disabilities Inclusion Award* honors our '[Teaching Students with Disabilities](#)' symposium at the CUNY Graduate Center
- *Outstanding Ongoing National Chemistry Week Event* honors our celebration of [National Chemistry Week at the New York Hall of Science](#)
- *Outstanding Project SEED Program Award - Large Site* honors our high school summer research program that serves more than 45 students
- *Outstanding Public Outreach Event Organized by a Student Group* honors the '[Chemistry of Love](#)' event organized by the Pace University student member chapter of the ACS

In addition, the New York ACS was a finalist for four additional ChemLuminary Awards:

- Fostering Interactions between Local Sections and Student Chapters – the [Undergraduate Research Symposium](#)
- Most Creative & Innovative Use of the CCEW Theme, the [Chemists Celebrate Earth Week](#) at Jones Beach
- Most Innovative New Activity or Program, the New York ACS' year-long celebration of Marie Maynard Daly, including the dedication of a [National Historic Chemical Landmark](#) in her honor, the production of a short documentary film on Dr. Daly, and sponsoring a seminar on Dr. Daly at the Eastern Analytical Symposium
- Outstanding Sustainability Activities, the [Frances S. Sterrett Environmental Chemistry Symposium](#)

PROFESSOR PAMELA KERRIGAN SELECTED AS THE NEW YORK ACS 2025 OUTSTANDING SERVICE AWARDEE

Professor Pamela Kerrigan, Director of the Division of Natural Sciences at the University of Mount Saint Vincent, was unanimously selected as the 2025 Outstanding Service Awardee for the New York ACS. Pam is being recognized for her long-standing commitment to the NYACS and its deep impact. Pam is passionate for education is clear, she has hosted three Undergraduate Research Symposia, participated in National Chemistry Week for almost two decades, has been the faculty advisor for the UMSV ACS Student Chapter since 1995, and has served on the American Chemical Society Committee on Education (SOCED). Currently a NYACS Councilor, Pam has served as Secretary (2000-2004) and as the NYACS Chair (2014) which led to three ChemLuminary Awards under her leadership. At the regional level, she was also instrumental in the organization of MARM2016 as General Co-Chair.



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NEW YORK ACS MEMBERS EARN PRESTIGIOUS 2024 MIDDLE ATLANTIC REGIONAL AWARD AT MARM 2024

Three New York ACS members were honored at the [2024 Middle Atlantic Regional Meeting](#). Congratulations to Dr. Patricia A. Redden, Ms. Xue Qing Liang, and Mr. Hector Gonzalez for their outstanding achievements!

Ms. Xue Qing Liang of New Utrecht High School has won the 2024 ACS Award for Excellence in High School Teaching sponsored by the ACS Division of Chemical Education. Ms. Liang's innovative teaching methods, such as the 10-Points-Bingo strategy and the I-Can-Statement self-assessment tool, address diverse learning needs and promote inclusive education. Her leadership extends beyond the classroom, with significant contributions to STEM initiatives, including coaching Science Olympiad teams and mentoring research projects. Her continuous professional growth and passion for chemistry education have earned her this esteemed honor.



Ms. Xue Qing Liang (center) with ACS District I Director Katherine Lee (left) and MARM Award Chair Marsha Grimminger (at right)



Mr. Hector Gonzalez

Mr. Hector Gonzalez of New Jersey City University was presented with the inaugural Bill Suits Award for Outstanding Volunteer Service to the American Chemical Society at the 2024 Middle Atlantic Regional Meeting in June. Hector is President of the ACS Student Chapter at NJCU, a graduate of the New Jersey Governor STEM Scholars Program, and a supplemental instruction leader for students in general chemistry II. He aspires to earn his Ph.D. in chemistry and we wish him well as we thank him for his service. **Ms. Hannah Priller** of Pennsylvania State University was also honored with the Bill Suits Award at MARM 2024. These awards honor [Bill Suits](#), a long standing and beloved volunteer in the North Jersey ACS.

NORTH JERSEY SECTION MEETINGS

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

2024 NORTH JERSEY ACS EXECUTIVE COMMITTEE MEETINGS

2024 North Jersey ACS Chair Sandra Keyser and the Executive Committee welcome you to our monthly NJACS meetings. Each meeting is held **Wednesday night from 6:30 pm to 8:30 pm**. All members are welcome to attend and become more involved in section activities. The dates for 2024 are, as follows:

Wednesday, September 11, 2024 (hybrid)
Wednesday, November 13, 2024 (virtual)

Wednesday, October 9, 2024 (hybrid)
2025 Planning Meeting in December, TDB

For links to the virtual meetings and RSVP for in-person attendance at hybrid meetings, please [check out the calendar on our website](#).



[Poster Abstracts Due September 4, 2024](#)

See short courses on page 28

NORTH JERSEY ACS ELECTION

The North Jersey Section ACS 2024 election will take place online from the **middle of September through the middle of October**. Balloting will be electronic and managed by [Vote-Now.com](#). Ballots will be sent to all current North Jersey ACS members via the email address that they registered with ACS.

The candidates for the positions of Chair-Elect, Treasurer, and Councilor are as follows:

Chair-Elect	Mohammed R. Elshaer
Treasurer	Amanda K.. Peterson Mann
Councilor	Lynda Box
	Diane Krone
	Cecilia Marzabadi
	Monica Sekharan
	Rob Menger

NORTH JERSEY ACS CHEMEXPO 2024

CHEMEXPO 2024



October 19, 2024 | 12 pm – 4 pm

Liberty Science Center

Join North Jersey ACS for free hands-on demos and activities, centered on the theme of photography and imaging.

Contact skeyser@njacs.org if you have questions about the event or if you'd like to volunteer!

We hope to see you there!



NORTH JERSEY ACS TO HOST MARM 2025

MARM 2025

May 28-31, 2025

Seton Hall University, New Jersey

ANNOUNCING KEYNOTE SPEAKERS



MORTEN MELDAL

2022 Nobel Laureate
University of Copenhagen



PHAEDRIA ST. HILAIRE

DEI Consultant, Angel Investor
and ProWOC co-founder



REBECCA RUCK

Associate Vice President Process
Research & Development
Merck & Co.

Symposia abstracts now being accepted! Find details for submission and more conference updates at MARM2025.com



NJACS Celebrating

100

Years of Chemistry



NORTH JERSEY ACS MASS SPECTROMETRY DISCUSSION GROUP

Ambient Mass Spectrometry Imaging: Recent Developments and Opportunities

Speaker: Dr. Julia Laskin ([website](#))
 Department of Chemistry
 Purdue University

Date: Monday, September 16, 2024

Place: Somerville Elks Lodge 1068
 375 Union Avenue
 Bridgewater, NJ 08807

Time: 3:30 – 8:30 PM

[RSVP here](#)

Abstract: Mass spectrometry imaging (MSI) is a powerful technique for studying the localization of lipids, metabolites, and proteins in biological samples. We have developed nanospray desorption electrospray ionization (nano-DESI), an ambient ionization technique that enables label-free molecular imaging of biological samples with minimal sample pretreatment. Nano-DESI relies on the localized liquid extraction of analyte molecules from the sample into a liquid bridge formed between two glass capillaries. The extracted analytes are transferred to a mass spectrometer inlet and ionized by electrospray ionization. Quantification is performed by adding an internal standard to the solvent and normalizing the signals of endogenous analytes to the corresponding adduct of the standard. Recent developments of nano-DESI MSI instrumentation have enabled quantitative imaging of lipids, metabolites, and proteins in tissues with high sensitivity and spatial resolution down to 8-10 microns using finely pulled capillaries. Furthermore, we have developed a microfluidic nano-DESI MSI

experiments by coupling it with ion mobility spectrometry and online photochemical derivatization of the extracted analytes. These complementary approaches have been used for isomer-selective imaging of biomolecules in tissue samples. Collectively, these new spatial omics approaches provide unique insights into the biochemical pathways in biological systems.



**2024 NJACS
MSDG Symposium
VENDOR SHOW**

SPEAKER



**Prof. Julia Laskin
Purdue University**

TIME: 3:30 PM – 8:30 PM
DATE: SEPTEMBER 16th
 Somerville Elks Lodge 1068
 375 Union Ave, Bridgewater, NJ

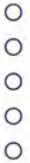
2024 Vendor Show is hosted by NJ-ACS Mass Spec Discussion Group. Registration is free, compliments of our sponsors.

3:30 – 5:30 PM	Registration and Vendor Show
5:30 – 7:00 PM	Buffet Dinner (Raffle prizes will be announced)
7:00 – 8:30 PM	Prof. Julia Laskin
8:30 – 8:45 PM	Meeting Wrap-up and Close



NORTH JERSEY DRUG METABOLISM DISCUSSION GROUP

Early bird price ends 9/9/24
LIMITED SEATS AVAILABLE



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VP, HEAD OF CPP
JAZZ PHARM.



PAVAN VADDADY
ED, QUANTITATIVE
PHARMACOLOGY & PMX
MERCK



JOGA GOBBURU
PROFESSOR, UMB
& CO-FOUNDER
VIVPRO CORP



BIRGIT SCHOEBERL
VP, HEAD OF
TRANSLATIONAL M&S
NOVARTIS



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**Sep
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2024**
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EVENING WILL INCLUDE 20-MINUTE TALKS BY EXPERTS, FOLLOWED BY Q&A AND NETWORKING SESSION. DINNER AND REFRESHMENTS WILL BE PROVIDED.

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Join the NYAS to discuss national science strategy and the need for various stakeholders to be on the same page about the importance of adopting a national strategy to align federal policies and R&D investments.

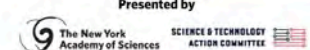
United States of Science

📍 NYC and virtual

📅 September 16, 2024



events.nyas.org/usascience



NEW YORK SECTION MEETINGS

NEW YORK ACS ELECTION RESULTS **LONG ISLAND SUBSECTION**

New York ACS 2024 election results are given below. The Board of Directors extends a most sincere thank you to all the candidates and expresses its appreciation for their time and efforts on our behalf. The officers elected, and their terms of service are given below:

Chair-Elect for 2025	Mr. Joseph Wiener
Secretary for 2025-2026	Dr. Naphtali O'Connor
Director-at-Large for 2025	Dr. Jaclyn Catalano Dr. Ronald D'Amelia Dr. Justyna Widera-Kalinowska
Councilors for 2025-2027	Dr. Brian R. Gibney Dr. Barbara Hillery Dr. Rita Upmacis
Alternate Councilors for 2025-2027	Dr. Patricia Redden Dr. Pamela Kerrigan Dr. Ruben Savizky Dr. Katheen Kristian

BOARD MEETING DATES FOR 2024

The remaining board meetings dates for 2024 are, as follows:

Monday, September 16, 2024 (hybrid)
Monday, November 25, 2024 (hybrid)

These meetings are open to all, but an RSVP for in-person attendance is required 5 days before the meeting.

All members who would like to attend any of the meetings should inform the New York Section office by emailing Ms. Bernadette Taylor. Ping Furlan, Ph.D. will Chair all meetings. The meetings will start at exactly 6:30 PM.

Synthesis of Natural-based Nanocomposites and Their Applications



Speaker: Dr. Zari Fallah
Mazandaran Univeristy
Date: Thursday, September 5, 2024
Place: Queensborough Community College
Science Building, Room 112
and via [Zoom](#) ([Registration is required](#))
Time: 6:45 PM

[Download flyer here](#)

Abstract: In this presentation, preparation and various applications of newly synthesized natural-based nanocomposites will be discussed. Nanocomposites containing cellulose and cyclodextrin substrates were synthesized using titanium dioxide nanoparticles as fillers. These composites have been applied in several fields such as water treatment. The adsorption behavior of cellulose and cyclodextrin nanocomposites (Cell.Com and CD.Com) for removal of heavy metal ions (Pb^{2+} , Cd^{2+} , Zn^{2+} , and Hg^{2+}) and fluoride anion from aqueous solutions was performed through the batch technique. These highly porous nanocomposites with high surface area and active sites exhibited high adsorption capacity, good selectivity, recyclability, and environmental friendliness. The results of our investigation into the antibacterial properties of Cell.Com and CD.Com illustrated that the synthetic composites have a wide range of activities against gram-positive (*S. aureus* and *B. subtilis*) and gram-negative (*E. coli* and *P. aeruginosa*) bacteria.



HUDSON-BERGEN CHEMICAL SOCIETY

In celebration of National Chemistry Week 2024

Activation and Incorporation of Rare Sugars into Bacterial Surfaces

Speaker: Dr. Tania Lupoli, Assistant Professor
Chemistry Department
New York University

Date: Thursday, October 24, 2024

Place: Dickinson Hall, Room 4468
Fairleigh Dickinson University
Teaneck, NJ 07666

Time: 5:00 PM Pizza and Refreshments
5:30 PM Lecture

RSVP Reservations required by October 19, 2024,
email Dr. Mihaela Leonida, or Dr. Ish Kumar



[Download flyer here](#)

Abstract: Our planet is inhabited by trillions of bacteria that live inside and outside of humans. The “skin”, or surface, of bacteria is called the cell envelope, which mediates infection of the host and protects bacteria from host immune defense tactics. While Gram-negative bacteria contain a protective outer membrane layer absent in most Gram-positives, almost all bacteria contain polymers composed of unique monosaccharides that extend from the cell surface. Gram-negative bacteria typically contain lipopolysaccharide (LPS) in the outer leaflet of the outer membrane with attached polysaccharides called O-antigens that help mediate interactions with the environment. O-antigens are composed of repeating oligosaccharides that define particular bacterial serotypes, which distinguishes bacterial strains within a single species. Foundational chemical biology work has contributed to our understanding of eukaryotic cell surface composition. However, we still lack a clear understanding of assembly of bacterial surface glycan polymers that contain prokaryote-specific or “rare” sugars. Here, we describe synthetic and chemoenzymatic methods to construct rare nucleotide sugars to study substrate recognition by bacterial glycosyltransferases that build O-antigens. We identify key regions in sugar substrates that are required for substrate binding and activity, and we use this knowledge to design chemical probes that will be used for the construction of synthetic O-antigens and small molecule inhibitors that will stall O-antigen synthesis. This work will expand our understanding of cellular mechanisms underlying bacterial polysaccharide synthesis, and will teach us about the roles that rare sugars play in bacterial cellular interactions.

WESTCHESTER CHEMICAL SOCIETY***Advocating for Pharmaceutical Drug Production in Africa***

Speaker: Rolande Hodel, Ph.D.
President and Founder
AIDSfreeAFRICA

Date: Thursday, September 5, 2024

Place: Gianfanco Pizzeria and Restaurant
 88 Virginia Road
 North White Plains, NY 10603
 and via [Zoom](#) ([Registration is required](#))

Time: **5:30 PM Social and Snacks**
6:00 PM Talks and Discussion
7:30 PM Option to Order Dinner



RSVP to pcorfield@Fordham.edu by 6 pm on Tuesday September 3, if you plan to order dinner.

[Download flyer here](#)

Abstract: Covid did not happen in Africa as feared by many in the field. However, it renewed the discussion on what will happen when the next pandemic comes along. The African continent is three times the size of the US, with four times the population of 1.4 billion. Since its inception in 2018, the African Medicines Regulatory Harmonization Foundation is focused on delivering a roadmap to Africa's participation in vaccine, medical supplies, and eventually drug production. AIDSfreeAFRICA has long been focused on helping hands-on, consulting seven start up pharmaceutical companies in Cameroon. The organization recently approved a major shift to focus on international advocacy for drug production. We feel the time is ripe. So far topics that are being tackled are counterfeit prevention (Ghana, Gates), vaccine syringe manufacturing (Revital, Kenya, Gates) and compounding/packaging (UCL, Kenya, Strides). The Kilinto Industrial Park being built in Addis Ababa, Ethiopia promises incubator style capacity to host future pharmaceutical companies, but not necessarily drug producing factories. AIDSfreeAFRICA plans to make sure drug production with an eye on delivering medicine to African's will move center stage.

Save the Date***Our Chemical Heritage: Its Impact on Our Daily Lives***

Speaker: Mary Virginia Orna, Ph.D.
Professor of Chemistry, Emerita
College of New Rochelle

Date: Thursday, October 10, 2024

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

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



RSVP to pcorfield@Fordham.edu for in person or Zoom link

[Download flyer here](#)

WESTCHESTER CHEMICAL SOCIETY DISTINGUISHED SCIENTIST AWARD 2025 – CALL FOR NOMINATIONS

The Westchester Chemical Society is now accepting nominations for the “Westchester Chemical Society Distinguished Scientist Award 2025”. Scientists who live or work in Westchester County or the Bronx qualify. Self-nominations are acceptable. 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 their work. Nominations are not carried over 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 January 15, 2025 to Dr. Peter Corfield at pcorfield@fordham.edu.



Pfizer Chemistry Connect



A Virtual Symposium for **Organic Chemists,** **Analytical Chemists,** and **Chemical Engineers** *November 12, 2024*

Our purpose at Pfizer is clear: Achieving breakthroughs that change patients' lives. We realize that means not just attracting the best and brightest talent, but also ensuring our colleagues can thrive in an environment and culture where we champion diversity and inclusion every day.

The symposium will include:

- Perspectives on careers at Pfizer from our leaders
- Pfizer science presentations and an interactive career panel discussion
- Connection with scientists, engineers, and leaders at Pfizer

Interested in presenting your science?

Apply for the opportunity to present your postdoctoral, graduate or undergraduate research and network with Pfizer colleagues.

Championing Diversity and Inclusion Every Day

No cost to attend.

Additional details and application can be found here:

www.PfizerChemistryConnect.com

Application deadline: **Thursday, September 26, 2024**



**NEW YORK ACS NATIONAL CHEMISTRY WEEK 2024
CALL FOR VOLUNTEERS / SPONSORS**



Join the New York Local Section of the American Chemical Society, New York Hall of Science, and PepsiCo for our annual National Chemistry Week Celebration to celebrate the importance of chemistry in everyday life! Learn about this year's theme, Picture Perfect Chemistry, with many exciting hands-on activities put together through collaboration of Academic Institutions, Student Volunteers, Industry Professionals, and NySci.

When: October 13, 2024 (11:00 – 4:00 pm)

Where: New York Hall of Science, Queens, Ny

Questions about the event, please contact Joseph Wiener at Joseph.Wiener@PepsiCo.com.

If you would like to volunteer, host a demo/activity, or sponsor this event, please reach out as well via email or [click here](#).

We hope to see you there!



2024 Frances S. Sterrett Environmental Chemistry Symposium

Micro-Plastics: Macro-Problem?

Saturday, November 9, 2024

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 support from ACS LS-Sustainability Programming Grant, and Hofstra University's Chemistry Department. We invite you to join us and gain invaluable insights from field experts as they illuminate the pervasive issue of microplastics; and explore the latest advancements in detection methods and mitigation strategies to address this pressing environmental challenge.

Dr. J. Evan Ward

Professor and Head
Department of Marine Sciences
University of Connecticut
*Interactions Between Plastic Particles and Aquatic Suspension-Feeding Invertebrates: Searching for a Bioindicator of Microplastics in the Environment **

Dr. Luis Medina Faull

Lecturer and IDEA Fellow
School of Marine and Atmospheric Sciences
Stony Brook University
From the Arctic to the Antarctic, Microplastics are Pervasive in the Ocean

Ms. Huiping Deng

PhD Student
Lamont Doherty Earth Observatory
Columbia Climate School
Columbia University
Microplastic and Nanoplastic Exposure Through Tap Water

Dr. Cody Garrison

Assistant Professor
Department of Biology
SUNY Old Westbury
The Microplastic Problem Through a Microbial Lens

Dr. Matthew J. Campen

Distinguished Professor
College of Pharmacy
University of New Mexico
*Silent Invasion: The Remarkable Presence of Nanoplastics in the Human Body **

Dr. Huiyuan Guo

Assistant Professor
Department of Chemistry
Binghamton University
*Tracking the Biological Barrier-Crossing Behavior of Nanoplastics **

Dr. Ashok Deshpande

Research Chemist
Northeast Fisheries Science Center
Sandy Hook Laboratory
National Oceanic Atmospheric Administration
Characterization of Microplastics by Using a Novel Method of Pyrolysis GC-MS

Note: this symposium combines both in-person and virtual experiences. While the majority of talks will be held in person, those marked with “*” will be conducted via Zoom.



ACS Local Section
New York
Long Island Subsection

Registration (free): using the link [2024 LIACS-ECY](#)
Contact: [Dr. Paris Svoronos](#) – Symposium Chairperson

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!

Remember
the October Indicator
submission deadline is
September 16th







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Polymers		Castings
Chemicals		Corrosion
Metal Phases		Quality Check
Contaminations		Product Failure
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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.



American Chemical Society

ATTENTION:

Chemists looking for opportunities to share your expertise and to build your speaking engagement résumé – The ACS Speaker Directory was built for you!

Advantages of creating a profile:

- Gain visibility on an international level
- Share your proficiency
- Grow your professional network

This new resource will provide members of the directory with even more opportunities to share their knowledge with other chemists.

Questions? Email lsac@acs.org
[#ACSSpeakerDirectory](#)

MEETING REPORTS

NORTH JERSEY ACS 2024 PROJECT SEED HAPPENINGS

Contributed by Bobbi Gorman & Emily Tenenbaum
Co-coordinators, North Jersey ACS Project SEED



The Project SEED program is underway and the North Jersey Section is supporting ten students in various research labs of Rutgers University, New Brunswick and Piscataway, along with two high school students at Rutgers University, Newark, and four students at Seton Hall University in South Orange, New Jersey. All together there are ten professors who are volunteering to mentor, along with some of their graduate students. This year's cohort of scholars are from South Brunswick High School, New Brunswick Health Sciences Technology HS, Highland Park HS, Piscataway HS, Bayonne HS, Hillsborough HS, McNair Academic HS, St. Paul's Academy, the Lawrenceville School, Irvington HS, North Bergen HS, East Orange HS, and Science Park HS.

The high school students have started to take pre-surveys and have begun attending some required digital workshops presented during the month of June. Most in-person lab research takes place in July and August.

The final requirement of North Jersey SEED students is to present their research results at a poster session at Seton Hall University on Thursday, August 15th, from 1- 4 pm. Parents are invited and chemistry undergraduates, professors, mentors and teachers are asked to please come and engage our students, and Project SEED students from other sites in New Jersey, in conversation about this experience. More publicity will be shared soon. If you have questions related to this function, please contact Bobbi Gorman (rosellerams@yahoo.com) or Emily Tenenbaum (emilytenenbaum@gmail.com).

We thank all of you who have supported this program and encouraged students to participate. Here's part of the correspondence received May 31, 2024, from Frank Peprah, a former Project SEED student from Irvington HS, who was mentored for two years under Dr. Huixin He and her graduate students at Rutgers University, Newark:

Firstly, I graduated this past Sunday from Amherst with a bachelor's degree in Chemistry. My senior thesis was voted the best by the STEM department and was recommended for summa cum laude honors. I also passed my rigorous courses and secured a job at Dana-Farber in Boston as a research technician. I plan to work there for two years before applying to medical school to pursue a doctorate in medicine.

Another proud moment for me this year was achieving my first first-author publication in the research lab I had been working in throughout my college career. In that moment, I felt immense gratitude for my past experiences in Project SEED. My PI entrusted me to write about 70% of the paper in my own words, and I can confidently say that I wouldn't have been able to do it as well without the foundation in scientific writing that Project SEED.

HIGH SCHOOL STUDENTS PRESENT SUMMER RESEARCH AT ACS PROJECT SEED POSTER SYMPOSIUM



Group photo of SEED students at the symposium

On August 15th, the annual North Jersey ACS Project SEED Poster Symposium took place at Seton Hall University, celebrating the summer research achievements of New Jersey high school students. Now in its 55th year, Project SEED is an ACS program that places interested high school science students in research labs to conduct hands-on summer research projects. This year's symposium, organized by Seton Hall chemistry Professor Joe Badillo and local SEED site coordinators Bobbi Gorman and Emily Tenenbaum, brought together 60+ attendees including high school students, their families, educators, and university mentors.

The North Jersey ACS Section Project SEED Committee sponsored the symposium lunch and provided a portion of student stipends for the Rutgers and Seton Hall sites and Seton Hall provided the venue space in Bethany Hall. The event showcased 16 student posters, highlighting research conducted at Rutgers University-New Brunswick, Rutgers University-Newark, Seton Hall University, Ramapo College, and Rowan University.

The SEED scholars in attendance represented a geographically diverse group of high schools, including Bayonne High School, Highland Park High School, Piscataway High School, East Orange Campus High School, Irvington High School, North Bergen High School, Science Park High School in Newark, McNair High School in Jersey City, South Brunswick High School, St. Paul's School, New Brunswick Health Sciences Technology High School, The Lawrenceville School, Paterson Charter School for Science and Technology, John F. Kennedy High School in Paterson, Glassboro High School, and Hillsborough High School.

HIGH SCHOOL STUDENTS PRESENT SUMMER RESEARCH AT ACS PROJECT SEED POSTER SYMPOSIUM (continued)

A highlight of the symposium was the keynote speech delivered by Mirlinda Biba, Senior Principal Scientist at Merck, and ACS fellow. Dr. Biba inspired attendees with her personal journey from Bayonne High School to majoring in chemistry at Rutgers-Newark, and then embarking on a successful R&D career at Merck while simultaneously earning a PhD in analytical chemistry from Drexel University. In her talk, Dr Biba emphasized the pivotal role that mentors played in her career, starting with her high school guidance counselor, and she encouraged students to leverage the connection with their SEED mentors.



Poster presentations in action

This summer's SEED research projects covered a wide range of topics from glass engineering, to organic synthesis and molecular dynamics modeling. The complete list of the poster presentations is provided on the following page.

Teachers, counselors, and administrators from nine New Jersey high schools, as well as professors, postdocs, and graduate students attended the symposium and engaged with students discussing their summer research. North Jersey ACS has been hosting Project SEED Poster Symposiums for 36 years, missing the two years when Project SEED was virtual due to COVID-19. Overall, the successful event brought together students and their families, and new professional connections and friendships were made among students, chemistry researchers, and high school science educators.



High school students from Science Park and South Brunswick High Schools presenting their posters

HIGH SCHOOL STUDENTS PRESENT SUMMER RESEARCH AT ACS PROJECT SEED POSTER SYMPOSIUM (continued)

Seton Hall University

Prof. Joe Badillo

- Synthesis and Study of Second-Generation Photoacids* - Mallike McDonald (East Orange Campus HS)
- Photoacid Generator-Catalyzed Pictet-Spengler Reaction* - Jushny Joseph (East Orange Campus HS)

Prof. Nada Khan

- The Recommended Course of Action for the Adoption of Synthesis of 5,10,15,20 tetraphenylporphyrin for CEM Microwave* - Naiya Bharvad (The Lawrenceville School) & Oluwatoni Ariyibi (Irvington HS)

Rutgers Newark

Prof. Frieder Jaekle

- Synthesis and Characterization of a Pyrimidine Boron Complex and its Precursor Ligand* - Cristian Leon (North Bergen HS)

Prof. Huixin He

- Plasma Assisted Synthesis of N-WO₃ for Green Synthesis of Ammonia from Nitrogen and Water* - Michael Adeleke (Science Park HS, Newark)

Rutgers New-Brunswick

Prof. Mark Lipke

- Synthesizing a Ga^{III}-based Metaloviologen Complex* - Yumna Arif (South Brunswick HS)

Prof. Enver Izgu

- Increased 1,6-elimination Leveraging Installation of Trifluoromethyl Group* - Oscar Wong (McNair Academic High School)

Prof. Ashutosh Goel

- Effect of the Crystallization Behavior on Oxide-Glasses* - Miley Le (Piscataway HS)
- The Comparison Between 45S5 Glass and Di-TCP Glass* - Oluwatosin Adeniji (Highland Park HS)

Prof. Meenakshi Dutt,

- Molecular Dynamics Visualizations and Analysis of Enzymes with Special Decorations* - Princess-Awa Diakhite (Bayonne HS)
- Real World Applications of Python* - Mayrin Bravo Martinez (New Brunswick Health Sciences Technology HS)

Prof. Donald Schaffner

- Food Microbiology Risk Reduction in Rutgers Dining Facilities* - Jason Monge (Hillsborough HS), Daniela Pemberton (Piscataway HS)

Prof. Shishir Chundawat

- Effect of Galactose on CHO Cell Galactosylation* - Nicole Onuoha (St. Paul's School)
- Characterizing Binding Strength for Supercharged Carbohydrate-Binding Modules Using Acoustic Force Spectroscopy* - Genesis Martinez (New Brunswick Health Sciences Technology HS)

Rowan University

Prof. Rashanique Quarels

- The Development of New Cyclization Methods Using Visible Light* - Olayinka Osinowo (Glassboro High School)

Ramapo College

Prof. Catalin Martin

- New Approach to the Use of Infrared Spectroscopy for Olive Oil Extraction* - Emma Martin (Paterson Charter School for Science and Technology)

ACS SPRING 2025



ACS SPRING 2025

Abstracts for the 2025 Spring ACS National Meeting and Exposition being held March 23-27, 2025 in San Diego, CA are due September 30th.

[Submit here](#)



Abstract Submission Deadline is Sept. 30th!

**Are you planning to attend ACS Spring 2025?
Submit an abstract to present your CURE experiences!**

CHED: CUREs Across the Chemistry Disciplines

Course-based undergraduate research experiences (CUREs) are recognized as a well-established and impactful practice in higher education. Despite the evidence highlighting their value, especially for undergraduate students in the early stages of their STEM degrees and those from underrepresented backgrounds in STEM, the adoption of CUREs in the field of chemistry has been limited. As part of the Chemistry Division of the Council on Undergraduate Research (CUR), the symposium organizers are deeply committed to promoting undergraduate research in all its forms, including the integration of research experiences into laboratory courses. In line with this commitment, this symposium will showcase the exceptional work of chemistry education practitioners who have successfully implemented CUREs into their curricula. Chemistry education practitioners are invited to share their innovative approaches and best practices in incorporating CUREs into their teaching. Those submitting abstracts are encouraged to reflect on and include in their presentation how they assessed or plan to use programmatic assessment to demonstrate the value of a well-executed CURE. By highlighting chemistry CURE achievements, this symposium will aim to inspire and encourage other chemistry educators to embrace this high-impact practice and provide their students with the transformative opportunities offered by undergraduate research.



Sponsored by the Council on Undergraduate Research

Organizers:

Kari Stone (kstone1@lewisu.edu), Bridget Gourley (bgourley@depauw.edu),
Sarah Shaner (sshaner@semo.edu), Lee Silverberg (ljs43@psu.edu)



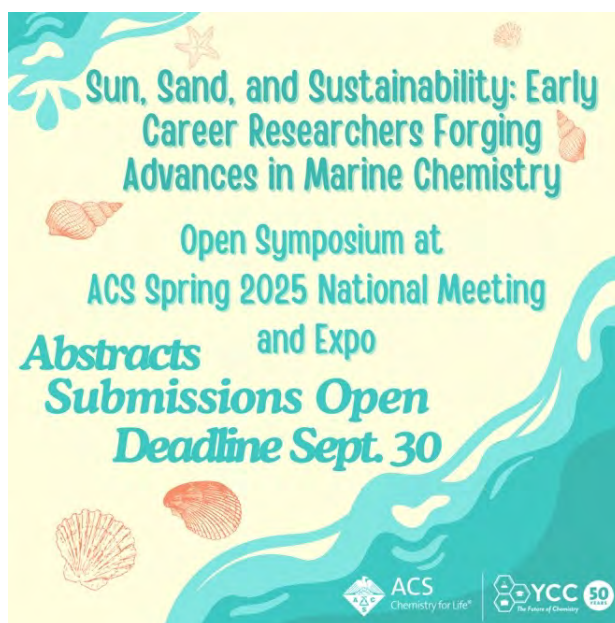
Graduate Student Symposium ACS Spring 2025

Bonds that Matter
Soft Materials for a Sustainable World

March 23-27 | San Diego, CA



Linktree



FROM OUR PARTNERS

SOUTHERN CALIFORNIA SECTION

Join the SCALACS for a virtual symposium on climate change on **Friday, September 27th from 5:00 – 7:00 PM EDT**. Dr. Doris Lewis will present stories from a career in STEM that will inspire you to persevere and take opportunities to influence public policy. Dr. Shelley Minter presents a talk on using electrocatalysis and biocatalysis to improve sustainability and decarbonize chemical industry.

A VIRTUAL SEMINAR
CLIMATE CHANGE SYMPOSIUM
 FRIDAY
 SEPTEMBER 27, 2024
 2:00 - 4:00 PM
Stories from STEM – Know Your Power
Presented by Professor Doris Lewis
Towards Electrification of the Chemical Industry
Presented by Dr. Shelley Minter
 DR. DORIS LEWIS
 PROFESSOR EMERITA,
 CHEMISTRY & BIOCHEMISTRY
 SUFFOLK UNIVERSITY
 DR. SHELLEY MINTER
 PROFESSOR, DEPT OF CHEMISTRY & DIRECTOR,
 KUMMER INSTITUTE CENTER FOR RESOURCE
 SUSTAINABILITY, MISSOURI UNIVERSITY
 OF SCIENCE AND TECHNOLOGY

CHICAGO SECTION

5:30 – 6:00 pm | Registration and Project SEED student posters
 6:00 – 6:45 pm | Dinner
 6:45 – 6:50 pm | Announcements
 6:50 – 7:10 pm | Scholarships and Awards
 7:10 – 8:15 pm | Presentation by Sherri Rukes
 8:15 – 8:30 pm | Q&A and closing

Hybrid or North Park University
 Johnson Center Rm. 325
 3225 West Foster Avenue
 Chicago, IL 60625

SHERRI RUKES

**CHICAGO ACS:
 SEPTEMBER MEETING**

SEPT. 19, 2024 | 5:30 – 8:30 PM

Education Night:
 “Communicating My Passion for Chemistry”

AP and Honors Chemistry Teacher
 Libertyville High School

Register here by
 Sept. 11 (dinner) or
 Sept. 19 (virtual or
 lecture)

The Chicago ACS invites you to a hybrid meeting featuring Sherri Rukes, AP and Honors Chemistry Teacher at Libertyville High School. Ms. Rukes will be presenting “Communicating My Passion for Chemistry” for the Chicago ACS’ Education Night on **Thursday, September 19th, from 6:30 – 9:30 PM EDT**.

REGISTER NOW FOR EAS SPECTROSCOPY SHORT COURSES

EAS’s short courses provide a valuable service to both students and professionals who seek to refine or augment their scientific development. These short courses include fundamental analytical techniques and principles, novel technologies and regulatory affairs. EAS short courses are designed to help the practicing analyst develop new skills and enhance knowledge. Taught by experts, the short courses emphasize practical knowledge of a variety of important topics to help one keep current with best practices and new techniques. This year’s offerings include the following:

- [Applications of Portable Spectroscopy in Pharma, Forensics and Law Enforcement](#)
- [Introduction to Quantitative Spectroscopy for Near Infrared and Raman Instrumentation](#)
- [Analytical Atomic Spectroscopy and its Environmental Applications](#)
- [Collecting Infrared Spectra and Avoiding the Pitfalls](#)

ACS STUDENT MEMBER CHAPTER GRANTS AVAILABLE[ACS Student Communities Starter Grant](#)

Up to \$350 to start or reactivate a student chapter

[ACS Student Communities DEIR Grant](#)

\$750 to advance the core ACS values of Diversity, Equity, Inclusion, and Respect

[ACS Student Communities Engagement Grant](#)

Up to \$1000 for community outreach events

[ACS Student Communities Professional Meeting Grant](#)

Up to \$2,000 to support student members attending professional meetings

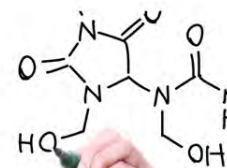
Synthesize the Future

Advise a Student Chapter

Provide students with educational, professional development, and networking opportunities

Only requires six ACS student members, and a faculty member with standard or premium membership

\$350 grants available to start or restart a chapter



CU NY GRADUATE CENTER

Ph.D. Program in Chemistry
FALL 2024 VIRTUAL INFORMATION SESSION

Interested in applying to grad school? join us to discuss how to apply, funding opportunities, faculty research, and more.

All sessions will meet via zoom at 10:00am (you can choose to attend one or more of the zoom sessions)

- Sept 13th, 2024
- October 11th, 2024
- Nov. 8th, 2024
- Dec 6th, 2024

Register Now

We look forward to seeing you soon!
Hosted by the Ph.D. Program in Chemistry

Join us for this in-person experience

Upcoming POLY Workshop

Fluoropolymers 2025
Savannah Georgia
June 22-25, 2025

SCAN ME

Organizers
 Prof. Jena McCollum, University of Colorado Colorado Springs, jmcollu@uccs.edu
 Dr. Cameron Parrish, Chemours, cameron.parrish@chemours.com
 Dr. Bruno Ameduri, National Center for Scientific Research, C. O. Institute, bruno.ameduri@nrcsml.fr
 Prof. Frank Leibfarth, University of North Carolina-Chapel Hill, frankl@mail.unc.edu

Call for Speaker Abstracts
Deadline: March 1, 2025
 Call for Poster Abstracts
Deadline: April 1, 2025
 Submit to: CARLEE@VT.EDU

WILEY

Final Call: Macromolecular Rapid Communications Junior Researcher Award

Nominate outstanding young polymer scientists at the beginning of their independent career.
Deadline extended to October 15, 2024.

CALL FOR NOMINATIONS



DREYFUS PRIZE IN THE CHEMICAL SCIENCES: ELECTROCHEMICAL PROCESSES

The Camille & Henry Dreyfus Foundation is seeking nominations focused on electrochemical processes for its 2025 Dreyfus Prize in the Chemical Sciences. Awarded to an individual the award recognizes exceptional and original research that has led to major advances in the field.

[Due December 5](#)

**The Indicator is posted
to the web 1ST of the
month at**

<http://www.theindicator.org/>

GRANT OPPORTUNITIES

ACS PETROLEUM RESEARCH FUND

Proposals for fundamental research in the petroleum field for new investigators and experienced investigators moving in new research directions.

[Due September 6](#)

EARLY CAREER POSTDOCTORAL- FACULTY BRIDGE GRANT

Provides a postdoctoral scholar with \$125,000 to support a postdoctoral fellow in their independent lab once the new research group is launched.

[Due September 20](#)

SCIENCE CAFÉ MINIGRANTS

\$500 to facilitate discussions of current topics between scientists and non-scientists in a relaxed, open venue.

[Due September 30](#)

LOCAL SECTION DIVERSITY, EQUITY, INCUSION AND RESPECT (DEIR) GRANT

Up to \$3,000 to foster inclusiveness and participation within local sections, and to support interactions with other local sections, divisions, committees and other professional associations or community groups.

[Due September 15](#)

PRINCIPAL INVESTIGATOR DEVELOPMENT IN SUSTAINABILITY GRANT

\$50,000 for a mid-career investigator to spend 6-12 month in the laboratory of a private company, a national lab, or an academic lab at another institution to foster collaborations.

[Due September 20](#)

OPPORTUNITIES

For High School Students & Teachers

ChemClub Community Activities Grant
[Due November 1](#)

James Bryant Conant Award in High School Chemistry
[Due November 1](#)

For Undergraduates

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

Joseph Breen Memorial Fellowship
[Due November 1](#)

DoD Science, Mathematics, and Research for Transformation (SMART) Scholarship
[Due December 6](#)

For Graduate Students / Postdocs

Arnold O. Beckman Postdoctoral Fellowship
[Letter of Intent due September 6](#)

Truman Fellowship - Sandia National Laboratory
[Due September 12](#)

Chemical Computing Group Excellence Award for Graduate Students
[Due September 12](#)

Wiley Computers in Chemistry Outstanding Postdoc Award
[Due September 12](#)

Early Career Postdoctoral-Faculty Bridge Grant
[Due September 20](#)

Younger Chemists Leadership Institute Award
[Due October 15](#)

NRC Research Associateship Program
[Due November 1](#)

Joseph Breen Memorial Fellowship
[Due November 1](#)

For Professionals

Burroughs Wellcome Fund: Career Awards at the Scientific Interface
[Due September 4](#)

OpenEye Cadence Molecular Science Outstanding Junior Faculty Award in Computational Chemistry
[Due September 12](#)

Teaching Green Fellowship
[Due September 15](#)

Fulbright Scholar Program
[Due September 16](#)

Rising Stars in Green Chemistry Education Award
[Due September 20](#)

National Chemical Technician Award
[Due September 30](#)

2024 Alan T. Waterman Award
[Due September 20](#)

Macromolecular Rapid Communications Junior Researcher Award
[Due October 15](#)

Younger Chemists Leadership Development Award
[Due October 15](#)

ACS Division of Analytical Chemistry Younger Chemists Conference Travel Grants
[Due November 1](#)

ACS National Awards
[Due November 1](#)

The Dreyfus Prize in the Chemical Sciences
[Due December 5](#)



ACS VIRTUAL OFFICE HOURS

[Next Month: Careers in Industry](#)

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.

Tenure Track Assistant Professor of Biochemistry – Iona University

[Apply here](#)

Assistant Professor of Chemistry – Union College

[Apply here](#)

Assistant Professor of Chemistry – Trinity College

[Apply here](#)

Assistant or Associate Professor in Computational Chemistry – Hofstra University

[Apply here](#)

Assistant Professor of Chemical, Physical and Forensic Sciences – Cedar Crest College

[Apply here](#)

Assistant or Associate Professor of Organic Chemistry – Hofstra University

[Apply here](#)

Assistant Professor of Chemistry – Stony Brook University

[Apply here](#)

Assistant Professor (tenure track) Chemistry and Biochemistry – Bard College

[Apply here](#)

Tenure-track Assistant Professor in Chemistry or Chemical Biology – Memorial Sloan Kettering Cancer Center

[Apply here](#)

Senior Scientist Bioanalytical – Merck

[Apply here](#)

Research Chemist – Intertek Pharmaceutical Services

[Apply here](#)

Research Chemist – KLA Corporation

[Apply here](#)

Senior Analytical Chemist – Oerlikon

[Apply here](#)

Scientist II, Analytical R&D – Contract Pharmacal Corp

[Apply here](#)

Principal Scientist, Analytical Chemistry (LC-MS) – Regeneron

[Apply here](#)