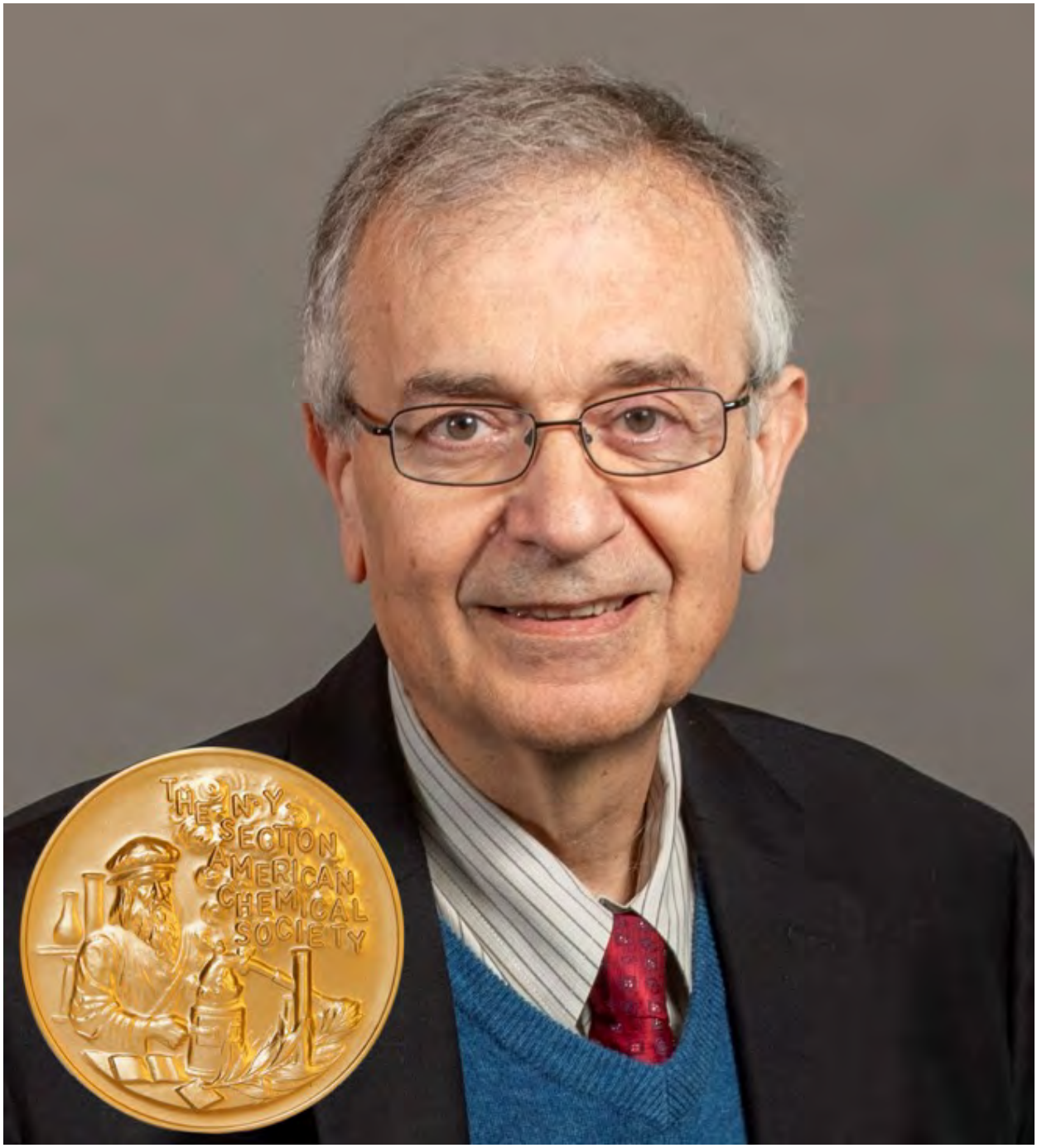
THE Indicator
Serving 6,200 ACS Members



Prof. Mercouri G. Kanatzidis
2026 William H. Nichols Medalist
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ACS Local Section New York — ACS Local Section North Jersey
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THE Indicator

http://www.theindicator.org/

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

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Issue	*Deadline*
May 2026	April 16, 2026
June 2026	May 16, 2026
September 2026	August 16, 2026

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NORTH JERSEY SECTION MEETINGS

2026 NORTH JERSEY ACS EXECUTIVE COMMITTEE MEETINGS

2026 North Jersey ACS Chair Mohammed R. Elshaer 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 initial dates for 2026 are, as follows:

Wednesday, April 22, 2026 (hybrid)
Wednesday, May 20, 2026 (hybrid)
Wednesday, June 17, 2026 (hybrid)

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

NORTH JERSEY ACS YOUNGER CHEMISTS COMMITTEE

YCC VOLUNTEER OPPORTUNITY!

The NJACS Younger Chemists Committee (YCC) is looking for passionate volunteers to join our executive board!

If you're interested in getting involved with the local chemistry community, developing leadership skills, and helping organize events for early-career chemists, consider applying for one of our open positions: **Secretary**, **Social Media Manager**, **and Event Planner**

Volunteers will help coordinate communications, manage social media outreach, and plan engaging networking and outreach events for the North Jersey chemistry community.

Apply via the Google Form link provided, and check out the flyer for more details.

Learn more at: https://www.njacs.org/event/ycc-call-for-volunteers/

Note: Applicants must be current ACS members.

CHEMICAL CONSULTANTS NETWORK MEETING

APRIL 8, 2026

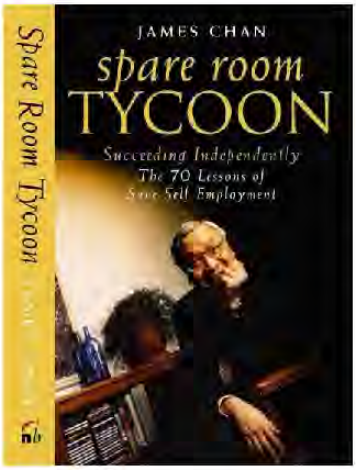
HOW I FOUND MY TOP FIVE CLIENTS

James Chan, PhD, Asia Marketing and Management (AMM)

DATE & TIME: Wednesday April 8, 2026, 6:30 PM

Click here to register (available in early January)

Location: Online via Zoom! (Registration required)



James Chan, PhD, founded his Philadelphia-based independent consulting practice in May 1983. He has since worked with 100 U.S. manufacturers, professional associations, and privately held companies to export American-made products and services to China and other Asian markets.

After two years as China Area Manager and International Promotion Manager at Academic Press, a subsidiary of the Fortune 500 publishing firm, HBJ, Chan resigned his corporate job in 1983 to start his own business, Asia Marketing & Management (AMM). 2026 marks AMM's 43rd anniversary as an international marketing consultancy.

By telling his personal stories of finding clients large and small, James hopes to stimulate participants in thinking of new ways to improve their business development strategies.

James published his book, *Spare Room Tycoon: Succeeding Independently, the 70 Lessons of Sane Self-Employment* in 2000. The book offers insights into the many intangible aspects of starting, running, and succeeding as solo business owners.

Click here to register to attend the event. This session is **FREE.**

CONSULTANTS - OPPORTUNITY HERE!

PLEASE VISIT http://www.chemconsultants.org/ and https://www.linkedin.com/company/chemical-consultants-network/

Are You Getting the Benefits of CCN Membership or Event Participation?

THE CHEMICAL CONSULTANTS NETWORK PROVIDES VALUABLE TOOLS FOR MEMBERS BEYOND THE MEETINGS AND NETWORKING. CHECK OUT OUR:

- Valuable past presentations – Consultants' Directory – Blogs – Resources
- Join! **Most valuable – post your consulting practice information – and have greater visibility!**
- **If you'd like to speak with one of our members, come to a CCN meeting**

NEW YORK SECTION MEETINGS

http://www.newyorkacs.online

BOARD MEETING DATES FOR 2026

The dates for the Board Meetings of the ACS New York Section for 2026 have been selected and approved. The meetings are open to all – everybody is welcome, but an RSVP for in-person attendance is required 5 days before the meeting, the Friday before the Wednesday meeting. All members who would like to attend any of the meetings should inform the New York Section office by emailing Ms. Bernadette Taylor.

All 2026 Board Meetings will be held as hybrid meetings from the CUNY Graduate Center (directions). New York ACS Chair Mr. Joseph Wiener will Chair all meetings. The meetings will start at exactly 6:30 PM.

The board meetings dates are, as follows:

Wednesday, April 1, 2026 (hybrid)

Friday, April 10, 2026 (in person only)
William H. Nichols Symposium and Medal Award Presentation at St. John's University.

Wednesday, June 10, 2026 (hybrid)
Wednesday, September 9, 2026 (hybrid)
Wednesday, November 4, 2026 (hybrid)

More information will be posted in future monthly issues of *The Indicator* and on the New York ACS website.

VOTING

Ballots, electronic or paper, will be sent to the membership by May 1, 2026. Any member that does not receive voting materials by Friday, May 1, please contact the Section Office.

NEW YORK ACS 2026 ELECTIONS

The Board of Directors thank the following candidates for accepting the nominations, and for their willingness to support the New York ACS and chemistry through donating their time, efforts, and sharing their expertise.

Chair-Elect for 2027
Dr. Rolande Hodel (AIDSfreeAFRICA)
Dr. Ish Kumar (Fairleigh Dickinson University)
Dr. Carlos Sanhueza Chavez (St. John's University)

Secretary for 2027 – 2028
Dr. Patricia Gonzalez (Lehman College)

Director-at-Large for 2027
Dr. Daniel Amarante (Mercy University)
Dr. Hanna Arieh (Hebrew Academy of Nassau County)
Dr. Ron D'Amelia (Hofstra University)
Ms. Xue Qing Liang (New Utrecht High School)
Mr. Raffi Manjikin (Hudson County Community College)
Dr. Qi Wang (Nassau Community College)

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Dr. Yosra M. Badiei (St. Peter's University)
Dr. Maria Contel (Brooklyn College)
Dr. Pamela Kerrigan (University of Mount Saint Vincent)
Dr. Paris Svoronos (Queensborough Community College - retired)
Mr. Frank Romano (Agilent Technologies)
Mr. Joseph Wiener (PepsiCo)

Alternate Councilor
-to fill vacancy for 2027
Dr. Kathleen E. Kristian (Iona University)

Download the candidate bios here

2026 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & AWARD PRESENTATION

HOW HALIDE PEROVSKITES EXPANDED THE FRONTIERS OF PHOTOVOLTAIC SOLAR ENERGY

A distinguished symposium honoring

Professor Mercouri G. Kanatzidis
Northwestern University

for transformative work in halide-perovskite solar cells

Date: Friday, April 10, 2026
St. John's University
Directions

Time: 1:00 PM – 7:30 PM
Register here

Supported in part by the William H. Nichols Fund For Chemistry at the Boston Foundation

Symposium Program (PDF)

1:00 PM **Welcome**
Mr. Joseph Wiener, 2026 New York ACS Chair, PepsiCo

1:05 PM **Greetings from St. John's University**
Professor Teresa Delgado, Dean of St. John's College of Liberal Arts and Sciences

1:10 PM **Opening of the Distinguished Symposium**
Mr. Joseph Ulichny, 2026 New York ACS Chair-Elect, Columbia University

1:15 PM **Electrochemical Approaches for Sustainable Phosphate and Lithium Cycles**
Professor Kyoung-Shin Choi, University of Wisconsin-Madison

Phosphorus is one of the main components of fertilizers and is also essential for various industrial manufacturing processes. While the continued increase in the human population will require greater fertilizer production, global phosphate rock reserves are limited. Furthermore, the mining of phosphate rock, its conversion to phosphoric acid, and the disposal of phosphate-containing waste create multiple environmental concerns. Thus, it is highly desirable to develop cost-effective methods to recycle wasted phosphate into useful chemicals such as H_3PO_4, both to safeguard the supply of phosphorus and to protect the environment. Another element of critical interest is lithium. The growing number of electric vehicles (EVs) powered by lithium-ion batteries (LIBs) will generate a massive amount of spent LIBs in the near future. $LiFePO_4$ has recently become the most preferred cathode material for LIBs in EVs because it is significantly cheaper and safer than other cathodes. Recovering lithium from spent $LiFePO_4$ batteries using conventional methods, however, may not be economically viable

2026 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & AWARD PRESENTATION (continued)

1:15 PM **Electrochemical Approaches for Sustainable Phosphate and Lithium Cycles**
Professor Kyoung-Shin Choi, University of Wisconsin-Madison (continued)

because, unlike Ni-, Mn-, and Co-based LIB electrodes, $LiFePO_4$ contains no valuable metals other than lithium. In this presentation, we will report new electrochemical approaches that we have been developing to selectively extract phosphate or lithium ions from waste and recover them as high-purity, useful chemicals (e.g., H_3PO_4 for phosphate and Li_3PO_4, Li_2CO_3, and LiOH for lithium). We will present the design and operating principles of electrochemical cells for phosphate and lithium recycling. Finally, we will highlight the sustainable nature of our electrochemical approaches, which minimize the use of chemicals and the generation of waste throughout the process.

1:45 p.m. **Nature's Blueprint: Powering the Planet with Sunlight, Water & Carbon Dioxide**
Professor Aditya Mohite, Rice University

This presentation covers state-of-the-art research in solution-processed perovkite solar cells, where we have demonstrated commercially validated durability through the synergistic combination of 3D and 2D perovskites. We demonstrate state-of-the-art photoelectrochemical reactors for water splitting, which utilize perovskite photovoltaics where we have demonstrated >22% solar-to-hydrogen efficiencies with thousands of hours of on-sun operation. Finally, we make the case for CO2 as an asset and a valuable feedstock for the production of value added products and materials. Non-thermal or cold plasma processes present a the unique capability to perform chemical transformations in a non-equilibrium state, achieving efficiencies beyond those predicted by thermodynamics. One of the most attractive features is the opportunity to linearly scale this technology at flow rates of 100-200 liters per minutes per reactor in-house. These results have inspired the development of the "Plasma Foundry" for scalable decarbonization of industries.

2:15 p.m. **Discovering Compounds and Designing Materials**
Professor Ram Seshadri, University of California - Santa Barbara

In the literature, extended crystalline compounds are sometimes inaccurately labeled materials, but materials are usually compounds that display some useful functionality. Moreover, real materials, when employed in real-world applications, are rarely pure compounds. It is also of historical interest to note that the synthesis of chemical compounds often predates the discovery of the key functionality that would allow the compound to be declared a material, sometimes by decades. It is more often the case therefore, that compounds that have been previously synthesized are screened for their function. I will discuss approaches to the synthesis of new compounds (using examples of halide perovskites and double perovskites), and how computational tools aid in screening these compounds for useful functionality (using magnetocalorics and low-k dielectrics as examples). It turns out to be rarely the case that functional materials are made by design.

2:45 p.m. *Coffee Break*

2026 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & AWARD PRESENTATION (continued)

3:15 p.m. **Application of Ductile Electronics Strategies to Soft Matter Solar Cells**
Professor Tobin Marks, 2010 William H. Nichols Medalist, Northwestern University

This lecture focuses on the challenging, understanding-based design, creation, and realization of new materials combinations for high-efficiency, environmentally stable, ductile (flexible and stretchable) polymeric organic solar cells (OSCs) which are also manufacturable at low cost and according to green chemical principles. While OSC power conversion efficiencies (PCEs) have now exceeded 20% and environmental stabilities have increased greatly, major materials design issues for next-generation polymer photovoltaic challenges remain and are the focus of this lecture. And it is clear that fabrication methodologies should include high-throughput, large-area, high-resolution printing techniques. Topics to be discussed are: 1. Targeting high-efficiency donor and acceptor materials classes that, among other properties, can be produced economically using established evaluation metrics of the pharmaceutical industry; 2) Developing synthetic methodologies that are environmentally benign (green) and produce materials with minimum structural/electronic defects and good opto-electronic performance; 3) Developing new non-fullerene acceptors that enhance molecular packing, hence PCE and OSC stability; 4) Creating exceptionally ductile OSCs with good PCEs by incorporating functional elastomers or plasticizing non-fullerene acceptors.

3:45 p.m. **Introduction of the Medalist**
Professor Tobin Marks, 2010 William H. Nichols Medalist, Northwestern University

4:00 **How Halide Perovskites Expanded the Frontiers of Photovoltaic Solar Energy**
Professor Mercouri G. Kanatzidis, 2026 William H. Nichols Medalist, Northwestern University

The discovery of halide perovskite materials as exceptional solar-absorbing semiconductors stemmed from the drive to develop more stable, all-solid-state dye-sensitized solar cells. What began as a modest goal led to far more than anticipated, resulting in the emergence of a remarkable new class of photovoltaic devices. Three-dimensional (3D) and two-dimensional (2D) halide perovskites have become standout semiconductors in recent years, known for their excellent carrier lifetimes and structural adaptability. Yet, the roles of Pb^{2+} and Sn^{2+} ions, along with the impact of organic spacer cations on structure and performance, remain areas that demand deeper investigation. Meanwhile, perovskitoids, a related but structurally distinct class of materials, offer expanded design flexibility through even richer structural and compositional diversity. Recent studies have shown that certain organic cations can stabilize these frameworks effectively. This presentation will explore the latest findings on structure–property relationships in halide perovskites and perovskitoids, providing practical insights into the rational design and integration of organic spacers in crystalline semiconductors and optoelectronic devices.

Supported in part by the William H. Nichols Fund For Chemistry at the Boston Foundation

2026 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & AWARD PRESENTATION (continued)

4:45 PM **William H. Nichols Medal Award Ceremony**

Presiding;	**Mr. Joseph Wiener** 2026 Chair, ACS New York Section
ACS Greetings:	**Dorothy Phillips, 2025 ACS President**
Medal Presentation:	**Mr. Joseph Wiener**
Acceptance Address:	**Dr. Mercouri G. Kanatzidis** Nichols Medalist

5:30-7:30PM Complimentary Reception for all Attendees and Speakers

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REGISTRATION

Online registration using PAYPAL for payment is available at www.newyorkacs.online/nichols_medal

Or use the Tear Off reservation form at this line **RESERVATIONS DEADLINE – APRIL 1, 2026**

MAIL RESERVATIONS TO: **ACS, New York Section Office**
C/O Bernadette Taylor
1313 3rd Ave, # 2 South
Spring Lake, NJ 07762

More Information:
http://www.NewYorkACS.online
Phone: 732-770-7324
E-mail: btaylor@newyorkacs.org

		Number	Total
Symposium & Reception:	**$40 (ACS Members)**	_____	$_____
Non-Member	**$60**	_____	$_____
Student, unemployed, retired	**$20**	_____	$_____
50-year ACS member	**$0**	_____	$_____

Tickets will be available for pick up onsite at the registration table.

NAME_____

ADDRESS_____

CITY_____STATE_____ZIP CODE_____

PHONE_____EMAIL ADDRESS_____

NEW YORK ACS' CHEMISTS CELEBRATE EARTH WEEK 2026

ACS Local Section
New York
Chemists Celebrate Earth Week

13th Annual Chemists Celebrate Earth Week event
"Into the Woods with Chemistry!"

Where: Jones Beach Energy & Nature Center
150 Bay Parkway,
Wantagh, NY
www.jonesbeachenc.org

Date: **Sunday, April 26, 2026**
Register here for FREE
Register by April 17, 2026

Time: 11-3 PM

Join us at New York's famous Jones Beach as we celebrate Earth Week at the newly renovated Energy and Nature Center!

The day's event includes an introduction of Jones Beach by the Education Team, presentations related to this year's Earth Week theme, a tour of the beautiful Energy & Nature Center, a self-guided hike through the beach and preserve area, as well as snacks, lunch, a healthy "blender bar", cool earth day gifts, and a fun game of "Chemistry Bingo"!

Space is limited and everyone must register (including children). Once registration has reached capacity it will be closed. There is a parking fee to enter Jones Beach.

Hope to "sea" you there!

Click here to register. Registration is FREE
For more information contact: Prof. JaimeLee Rizzo
CCEW Coordinator
jrizzo@pace.edu

UNDERGRADUATE RESEARCH SYMPOSIUM – CALL FOR ABSTRACTS

The Student Activities Committee of the New York ACS invites all undergraduates to present their research at the 73rd Annual Undergraduate Research Symposium. This year's URS will be held at Queensborough Community College – CUNY on May 2, 2026 from 8:00AM – 2:00PM and will feature a keynote address by Tao Hong, Ph.D, a proud alumnus of Queensborough Community College - CUNY. Registration is FREE.

Abstracts are due April 3, 2026

Metasurface-On-Chip Flow Cytometry for Fluorescence Quantification

Speaker: **Tao Hong, Ph.D**.
Date: **Saturday, May 2, 2026**
Place: Queensborough Community College – City University of New York
Time: **8:00 AM – 2:00 PM**
Registration: Student Presenters
Faculty Mentors
Exhibitors
Guests

Abstract: Fluorescence flow cytometry (FFC) is a fundamental technique in cellular and molecular analysis, yet conventional instruments rely on bulky free-space optics and expert-driven workflows for channel calibration and compensation. We introduce a compact and calibration-free, metasurface-on-chip FC (MOCFC) that replaces filter assemblies or spectrometers with an inverse-designed metasurface array that encodes fluorescence spectra into spatially multiplexed intensity barcodes. We demonstrate statistical profiling of immunolabeled cell populations based on regressed per-fluorophore quantity and extend the approach to multi-cytokine quantification by using a commercial Cytometric Bead Assay (CBA), without the need for channel calibration. By encoding spectral information by a compact on-chip optical metasurface front end and decoding it with end-to-end spectral regression, this metasurface architecture enables quantitative, multi-fluorophore FC in a compact format, opening a promising path toward portable, point-of-care cellular and molecular analysis.

Download Abstract submission instructions and Abstract template file here

HUDSON–BERGEN CHEMICAL SOCIETY

27th Annual Student Research Symposium and Award Night

Speaker: **Junyong Choi, Ph.D.**
Queens College – City University of New York
Date: **Friday, May 1, 2026**
Place: Dickinson Hall, Room 4468
Fairleigh Dickinson University
Time: **4:30 PM Student Presentations**
6:00 PM Dinner and Awards
6:45 PM Plenary Lecture

Reservations required, Emal Dr. Mihaela Leonida by **April 15th**

This is a forum for students and their faculty mentors from colleges and universities that participate in the Hudson-Bergen Chemical Society activities to present the results of their research. Outstanding students, chemistry/biochemistry majors from the participating colleges, are also being recognized (they receive the HBCS Award consisting of a certificate and a gift certificate). All the presenters will receive certificates of participation. Students who wish to make presentations (~10 min each) must send an abstract via e-mail to mleonida@fdu.edu, by April 12, 2026. The abstract should be in MS Word (font Times New Roman 12) and must include the names and email addresses of the student(s) and their faculty adviser(s) in addition to the title of the abstract. The abstract should not exceed 200 words. The name of the student presenting the poster should be underlined. There is no registration fee.

This year's symposium also features the lecture:

Computer-Aided Design and Optimization of Novel Inhibitors as Therapeutic Candidates

Junyong Choi, Ph.D.
Department of Chemistry and Biochemistry, Queens College - City University of New York

Abstract: Computer-aided molecular modeling is an efficient and cost-effective strategy for the discovery and development of small-molecule inhibitors in academic settings. This seminar highlights efforts to develop small-molecule inhibitors targeting *Trypanosoma brucei* Replication Protein A1 (TbRPA1) and Casein Kinase (CK1) for the treatment of infectious diseases and cancer, respectively. Specifically, this talk will cover the structure-based design and development of anti-*T. brucei* agent, which exhibits low nanomolar inhibition potency against *T. brucei* and over 2,000-fold selectivity versus human HeLa cells. In addition, a novel small-molecule inhibitor of CK1e was identified through in silico screenings of chemical libraries. This hit was subsequently optimized using molecular modeling, organic synthesis, and biochemical assays, leading to the development of highly potent and selective CK1e inhibitors. Our in-house inhibitors represent promising candidates for further investigation in *in vivo* models of parasitic infection and human cancers. Overall, computer-aided molecular modeling is a powerful technique for the development of therapeutic candidates in medicinal chemistry research.

Download flyer here

LONG ISLAND SUBSECTION

Experimental Approaches to Quantifying Noncovalent Interactions in Solution

Speaker: **Dr. Bright Emenike**
Assistant Professor
Chemistry Department
United States Naval Academy
Date: **Tuesday, April 14, 2026**
Place: Zoom (registration)
Time: **6:30 – 7:30 PM**

Download flyer here

Abstract:
Weak noncovalent interactions play central roles in molecular recognition, self-assembly, solvation, and chemical reactivity, yet their quantitative measurement in solution remains a longstanding challenge. This presentation will highlight a research program focused on the experimental quantification of noncovalent forces using molecular torsion balances. By employing such model systems, small interaction energies are converted into measurable conformational equilibria that can be quantified by NMR spectroscopy. These approaches enable systematic investigation of how solvation and substituent effects modulate weak interactions in solution, while minimizing complications associated with traditional intermolecular measurements. The results provide direct insight into the physical origins of noncovalent forces and their sensitivity to molecular environment.

Biography:
Dr. Emenike received his doctoral training in chemistry from Miami University (Oxford, OH) and completed postdoctoral research at Caltech with the late Professor John D. Roberts. Before joining the United States Naval Academy as a tenure-track faculty member. He held a faculty position in organic chemistry at SUNY Old Westbury. His research has been supported by various funding agencies, including ACS-PRF and NSF-IUSE.

THE 37th ANNUAL LONG ISLAND SUBSECTION HIGH SCHOOL AWARDS NIGHT

ANSMET, The Antarctic Search for Meteorites

Speaker: **Professor Jon M. Friedrich**
Department of Chemistry and Biochemistry
Fordham University
Date: **Tuesday, May 5, 2026**
Place: SUNY Old Westbury
Time: **6:00 PM**

Student Awardee nominations due May 1, 2026

Download flyer here

ACS Local Section
New York
Long Island Subsection

Long Island Photochemistry Symposium

Monday, May 11th, 2026
Poster Session: 11:00 am - 1:00 pm
Oral Presentations: 1:00 pm – 5:30 pm
Location: Stony Brook University
Registration: Free (numbers limited)

LIPCS

Founded in 2023 as a photochemistry 'supergroup' between scientists at Stony Brook University and Brookhaven National Laboratory, the Long Island Photochemistry Symposium (LIPCS) is marking its fourth year by partnering with the Long Island subsection of the ACS to bring together researchers from across Long Island for a half day symposium.

The symposium begins with a poster session (including a complimentary buffet lunch), followed by an afternoon of talks by local graduate students, post docs and early career researchers. It is a great opportunity to learn about photochemistry and connect with scientists from the Long Island and NYC area.

For further details, registration and to submit an abstract for a poster or presentation go to: **https://forms.gle/p6Rsof4Bh3oUbYyQ9 or scan the QR code below:**

Organized by Dr. Jeffrey Lipshultz (SBU) and Dr. Matthew Bird (BNL)

In association with the Long Island Subsection of the American Chemical Society

With generous support from:

SHIMADZU Excellence in Science

Stony Brook University

HepatoChem Reinventing Chemistry for Life Sciences

WESTCHESTER CHEMICAL SOCIETY DISTINGUISHED SCIENTIST AWARD AND 2026 STUDENT ACHIEVEMENT AWARDS

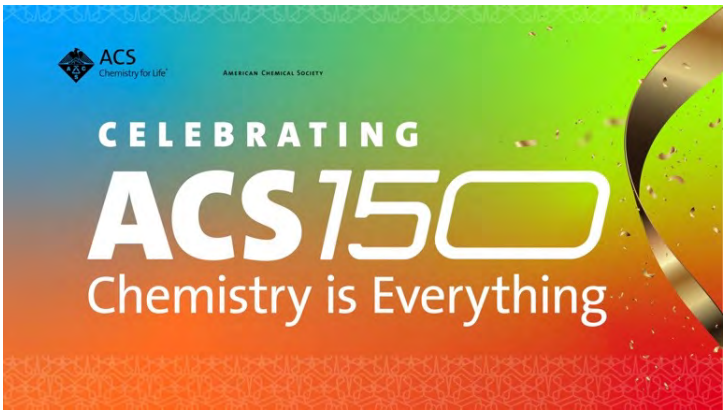
Speaker: **Columba de la Parra, Ph.D.**
2026 Westchester Chemical Society Distinguished Scientist
Assistant Professor, Lehman College, The Graduate Center, CUNY
Date: **Tuesday, April 28, 2026**
Place: Pace University, Stephen Friedman Room, Wilcox Hall
861 Bedford Road, Pleasantville, NY
and via Zoom
Cost: $40 / $ 20 students
Time: **5:15 PM**

Download flyer here

Abstract:
Metabolic reprogramming and therapy resistance are central drivers of breast cancer progression and metastasis. In this talk, we will highlight two critical areas of research. First, in triple-negative breast cancer (TNBC), an aggressive subtype associated with significantly decreased patient survival, tumor cells adapt to stress by selectively translating mRNAs that support metabolism and survival, a process mediated by the non-canonical protein translation factor DAP5. Our studies show that DAP5 regulates glucose metabolism and glycolytic proteins, promoting TNBC progression and metastasis. Second, breast cancer treatment has advanced significantly, particularly for estrogen receptor-positive (ER+) tumors. Tamoxifen, an estrogen antagonist, is widely used; however, approximately 40% of patients develop resistance. This resistance is linked to upregulation of microRNA miR-155, a small non-coding RNA that regulates apoptosis and glucose metabolism. Genistein, a natural isoflavone from soybeans, downregulates miR-155, reduces migration, and modulates the Warburg effect, suggesting a potential strategy for overcoming tamoxifen resistance. Collectively, these studies highlight metabolic and translational pathways as key regulators of metastasis in breast cancer and potential targets for intervention.

NEWS FROM OUR PARTNERS

AMERICAN CHEMICAL SOCIETY FOUNDING DAY CELEBRATION : APRIL 6th



In honor of its 150th Anniversary, the American Chemical Society is inviting chemists from around the world to take part in a special virtual program at **10 a.m. ET on April 6**, its founding day. This event marks a historic milestone: 150 years of curiosity, discovery, and progress. The scientific organization was founded in 1876, and what started as 35 chemists has grown into a global community of over 200,000 members striving toward scientific advancement.

While this day of celebration is a special recognition of the society's founding day, the ACS has been honoring its legacy with a year-long global journey. Each month, the society is showcasing a new facet of the overarching theme for the year—Chemistry is Everything—highlighting how the field touches every aspect of human life, such as the air we breathe and the technologies that connect us. The celebration is more than a look back at the past; it is a showcase of the essential role chemistry plays in our collective future. The official anniversary month of April will be showcasing sustainability, highlighting the role chemists play in protecting the planet, developing green energy, and creating a resilient world for the next 150 years and beyond.

Register for this virtual celebration here

EASTERN ANALYTICAL SYMPOSIUM

Abstract submission is now open for both oral and poster presentations at the 65th Annual Eastern Analytical Symposium (EAS) – click here. The New York ACS is a proud co-sponsor of EAS and this year's theme is Navigate the Future of Analytical Chemistry: Intelligence and Integrity. EAS will be held at the Crowne Plaza Princeton Conference Center, Plainsboro NJ on **November 16-18, 2026**. Abstracts for oral presentations are due May 1, with poster presentation abstract due September 1.

Click here

NEWS FROM OUR PARTNERS (continued)

NEW YORK ACADEMY OF SCIENCES & MEMORIAL SLOAN KETTERING CANCER CENTER

Submissions for the May 2026 issue of The Indicator are due on April 16, 2026.
http://www.theindicator.org/

INTERESTED IN AN ACADEMIC CAREER?

If you are a postdoctoral fellow interested in a faculty position in the chemical sciences at a college or university, the ACS is offering their Postdoc to Faculty Workshop (P2F) on **July 17-19, 2026** in Washington, D.C. The (P2F) provides postdoctoral scholars interested in pursuing faculty positions at institutions of higher education with guidance and resources to support their job search. The workshop consists of several panel discussions and presentations on topics ranging from finding positions, to the application and interview process, to navigating the first year. Key features include: individual consultations with current faculty, mock interviewing and networking opportunities.

Applications are due April 5, 2026.

Apply here

NEWS FROM OUR PARTNERS (continued)

SOCIÉTÉ DE CHIMIE INDUSTRIELLE

2026 Excellence Awards Luncheon
Date: Wednesday, April 22, 2026
Time: 11:30 PM – 3:00 PM

Société de Chimie Industrielle Invites all to join executives, investors, equity research analysts, media members, and other chemical industry professionals at the **2026 Excellence Awards Luncheon** to celebrate two outstanding companies for their achievements.

🏆 Excellence in Shareholder Value Creation - **Element Solutions Inc**
🏆 Excellence in Private Equity Performance - **Advent**

These awards are unique in that the recipients were chosen based on extensive analyses of industry metrics and data to choose the most deserving based on demonstrated performance.

We hope to see you at the event for an incredible afternoon consisting of an award ceremony, fireside chat, networking, lunch, and cocktails.

Register here

ADVERTISE IN THE INDICATOR

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

The Indicator offers an affordable option for your marketing campaign – a ¼ page full-color advertisement costs only $200 / month ($1500/yr). Your ad can be published within two-weeks of receipt. Your advertisement will be seen on the first of the month by each member of the New York and North Jersey ACS. Semimonthly emails to these memberships will also include your advertisement ensuring full coverage of your potential clients

Contact our Ad Sales Manager for more details

NAVIGATING THE PHD: A PLAYBOOK FOR CHEMISTRY GRADUATE STUDENTS

Contributed by Natalie Boykoff, PhD

Choosing to pursue a PhD in chemistry is one of the most consequential decisions of your scientific career and personal life. The strategies below — distilled from hard-won experience — are designed to help you make the most of every stage of the journey, from selecting a program to crossing the finish line.

Choose Your Program and Lab Intentionally

Evaluate programs across five dimensions: location, research fit, guaranteed funding, departmental culture, and career outcomes for graduates. Then pick your lab with equal rigor. Your advisor will shape your experience more than any course or seminar. Ask pointed questions: How often do you meet with students? Where have your graduates landed? Rotations offer a window into environment and culture, but the full mentor relationship only reveals itself over time — so talk candidly with senior students and alumni before you commit.

Fund Yourself — Relentlessly

The most empowered PhD students control their own funding. Apply for NSF GRFP, DOE, and NIH fellowships before or during your first year. Then hunt aggressively for internal fellowships — many go unclaimed simply because students don't know they exist. Treat scholarship applications like a side business: block weekly time, track deadlines, and recycle your best writing across applications. If your science has translational potential, pursue it through accelerators, I-Corps, and in-kind grants. Every fellowship you earn is peer validation that follows your career forever.

Build a Portfolio Career While You Can

Do not wait until your final year to explore what's next. Attend and present at conferences in your niche, and apply for every travel grant available — the deadline pressure alone will sharpen your science. Compete in poster sessions and startup pitch competitions whenever possible; each one builds your ability to communicate across audiences. Pursue internships, mentorship roles, and thought leadership opportunities in parallel with your research.

Build Systems, Seek Collaboration, Publish Early

The PhD has no external deadlines beyond the ones you create. Establish a weekly cadence: literature reading and experiment planning, benchwork, data analysis and presentation. This rhythm keeps research moving while forcing regular reflection. Remember that science is collaborative — actively seek guidance from post-docs, committee members, and collaborating labs. Finally, prioritize publications from day one. Plan experiments with a paper in mind, learn the process by doing it, and remember that a publication record is a durable credential in your scientific career.

Your Most Lucrative Moment — Use It

As a PhD student you occupy a rare position: cutting-edge expertise, institutional resources, mentorship, and the freedom to take risks if you feel stable enough. Try careers through internships before committing. Launch a side project. Work on your own health. Be fearless. You will look back and realize this was when you had the most freedom to experiment — not just in the lab, but in life.

Natalie Boykoff, PhD *is a doctoral alumna from CUNY The Graduate Center and City College of New York. She writes and speaks on career, innovation, and leadership strategy for graduate students and early-career researchers. Email: natalieboykoff@gmail.com*

OPPORTUNITIES

For Undergraduates

EAS Undergraduate Student Award
Due April 30

ACS Hach Second Career Teacher Scholars
Due May 1

ACS–Hach Post-Baccalaureate Teacher Scholarship
Due May 1

Student Communities Professional Meeting Grant
Due May 15

Student Communities Awards
Due May 31

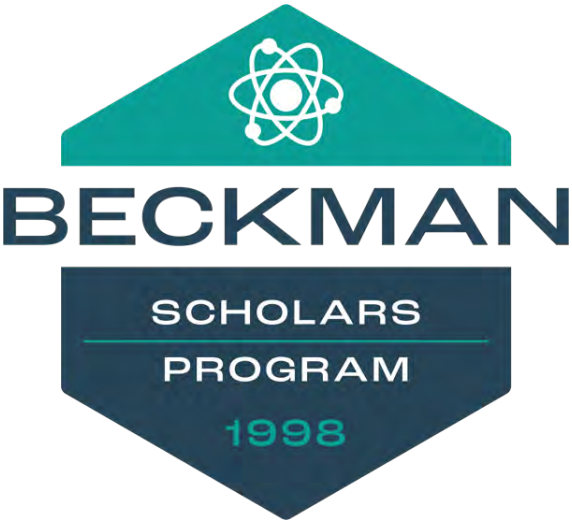
For Graduate Students / Postdocs

Priscilla Carney Jones Scholarship
Due May 1

Arthur C. Cope Postdoctoral Fellowship in Organic Chemistry
Due April 3

Pfizer Emergent Leader Award
Due May 15

Ciba/YCC Travel Award
Due May 15



Graduate Students and Postdoctoral Scholars Recognition Program
Due May 31

Division of Inorganic Chemistry Travel Award
Due June 29

For Professionals

ACS GCI Natural Polymers Consortium Research Grant
Due May 1

Senior Chemists Mini Grant for Local Sections
Due May 31

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

William H. Nichols Medal
Due May 31

Dr. Marie Maynard Daly Award
Due June 2

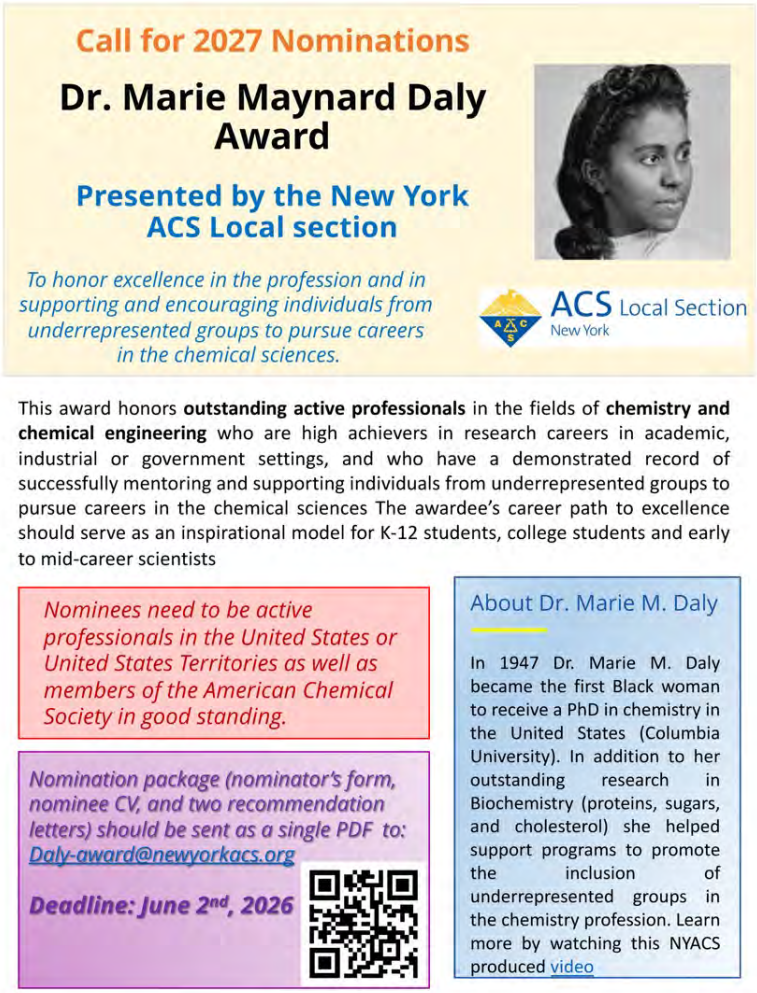
CALL FOR NOMINATIONS

NEW YORK ACS OUTSTANDING SERVICE AWARD

The New York Section of the American Chemical Society is one of the oldest and most distinguished sections of the Society. This distinction is derived from members whose achievements have inspired and driven significant activities that contributed to over 30 ChemLuminary Awards over the years. Please help us recognize these inspirational leaders and send us by **June 30, 2026**, your nominations including up to two letters of recommendation per nominee who meets the criteria for the Award as noted on the website.

Read more here

DR. MARIE MAYNARD DALY AWARD



The New York Section of the American Chemical Society established the Dr. Marie Maynard Daly Award to honor the lasting legacy of the first African American woman to earn a Ph.D. in Chemistry. This award honors outstanding active professionals in the fields of chemistry and chemical engineering who are high achievers in research careers, and who have a demonstrated record of successfully mentoring and supporting individuals from underrepresented groups to pursue careers in the chemical sciences. Please help us identify the next Daly Awardee by nominating an inspirational leader by **June 2, 2026**, your nominations including up to two letters of recommendation per nominee who meets the criteria for the Award as noted on the website.

Read more here
Download nomination package here

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.

SAVE THE DATE

Adjunct Faculty Information Fair at Seton Hall University
Monday, April 20, 2026 from 5 – 7 PM in Bethany Hall (directions)
Click here to submit your resume here

Academic Positions

Assistant/Associate Professor, Biomedical Sciences – New York Institute of Technology
Apply here

Visiting Assistant Professor – Colgate University
Apply here

Tenure Track Assistant Professor - Chemistry and Biochemistry– Seton Hall University
Apply here

Two Assistant Professors of Chemistry – Tenure Track – University of Mount Saint Vincent
Apply here

Associate or Full Professor – Computational Materials Science – City College of New York (CUNY)
Apply here

Industrial Positions

Program Specialist – Analytical Chemistry – Students 2 Science
Apply Here

Program Specialist, Office of Research Grants – American Chemical Society
Apply here

Executive Director, Digital Insights – Merck & Co.
Apply here

Associate Scientist, Product Biochemistry – Regeneron
Apply here

Grants and Finance Administrator – American Chemical Society
Apply here

Board Member, Arnold and Mabel Beckman Foundation
Apply here

R&D Analytical Chemistry Manager, KLA
Apply here

Principal Scientist, Analytical R&D – Merck & Co.
Apply here