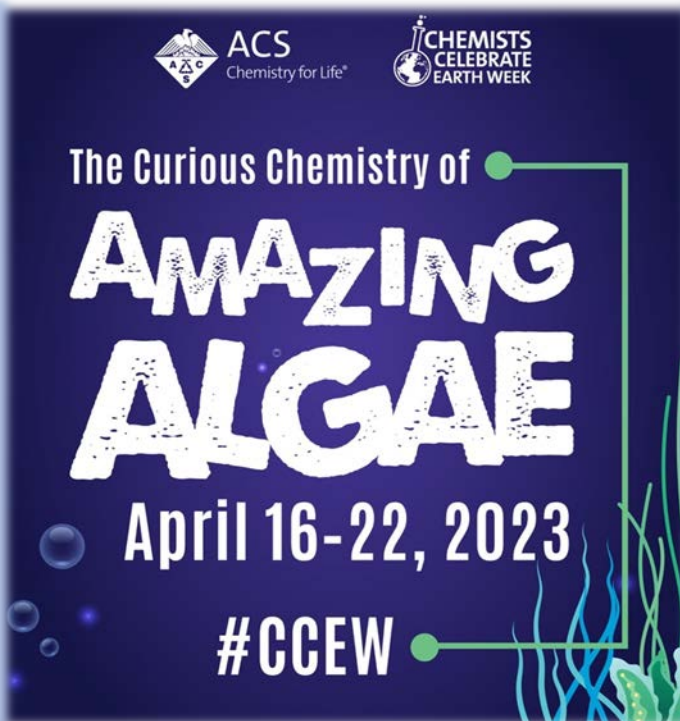


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## Calendar of Events

<b>April 11, 2023</b>	NJACS Mass Spectrometry Discussion Group
<b>April 14, 2023</b>	William H. Nichols Distinguished Symposium & Award Dinner
<b>April 16, 2023</b>	Chemists Celebrate Earth Week
<b>April 17, 2023</b>	North Jersey ACS Executive Committee Meeting
<b>April 20, 2023</b>	NJACS NMR Topical Group
<b>April 22, 2023</b>	Chemists Celebrate Earth Week
<b>April 27, 2023</b>	Westchester Distinguished Scientist Award Dinner
<b>April 28, 2023</b>	Student Research Symposium

## CHEMISTS CELEBRATE EARTH WEEK

Join the local festivities with your colleagues in the North Jersey and New York Local Sections as part of the national celebration of Earth Week. Each section offers its own unique interpretation of the theme for this important public outreach event.

The North Jersey ACS event offers the community hands-on activities and interactive chemistry demos led by student clubs – click here to [register](#) your student club – that are competing for prizes based on the activity that best shows kids the chemistry of amazing algae. Kids can also participate in the [illustrated poem contest](#). For more information contact the NJACS CCEW Coordinator, [Dr. Kathleen Gilbert](#).

The New York ACS will convene at the [Jones Beach Energy and Nature Center](#) – a location teeming with amazing algae. [Registration](#) is FREE, but space is limited so everyone must register (including children). For more information contact: [Prof. JaimeLee Rizzo](#), NYACS CCEW Coordinator.

### North Jersey ACS

**Where:** [Meadowlands Environment Center](#) ([directions](#))

**Date:** **Saturday, April 22, 2023**

**Time:** 12:00 – 4:00 PM

### New York ACS

**Where:** [Jones Beach Energy & Nature Center](#) ([Register by April 8](#))

**Date:** **Sunday, April 16, 2023**

**Time:** 11:00 – 3:00 PM

[Download NJACS CCEW flyer here](#)

[Download NYACS CCEW flyer here](#)

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NEW YORK MEETINGS

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**WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & AWARD BANQUET****Catalysis for a Sustainable Future**

A distinguished symposium honoring

**Professor Karen Goldberg**

University of Pennsylvania

*for pioneering work in  
organometallic reaction mechanisms*

Followed by the Medal Award Banquet

**Date: Friday, April 14, 2023**

**Sonesta Hotel, White Plains, NY**

**Time: 1:00 PM – 9:00 PM**

[Download details and the reservation form](#)

**Banquet reservation deadline is April 5, 2023**

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

**DR. MARIE MAYNARD DALY NATIONAL HISTORIC LANDMARK DEDICATION**

All are welcome to attend the dedication of the US National Historic Chemical Landmark honoring Dr. Marie Maynard Daly, the first African American woman to earn a Ph.D. in Chemistry. The dedication will be preceded by a symposium honoring Dr. Daly's life, contributions to science and ongoing legacy. Confirmed speakers include, the following:

- Dr. Linda Meade-Tollin  
(University of Arizona, Emerita)
- Dr. Mandë Holford (Hunter College – CUNY)
- Dr. Sibrina Nichelle Collins  
(Lawrence Technological University)
- Dr. Marc Walters (New York University)

**Where:** Columbia University  
Havemeyer Hall  
3900 Broadway  
New York, NY 10016

**Date:** Friday, May 19, 2023  
**Time:** 10:00 AM – 2:00 PM

[Download flyer](#)  
[RSVP here](#)



## WESTCHESTER CHEMICAL SOCIETY

### DISTINGUISHED SCIENTIST AWARD AND STUDENT ACHIEVEMENT AWARDS

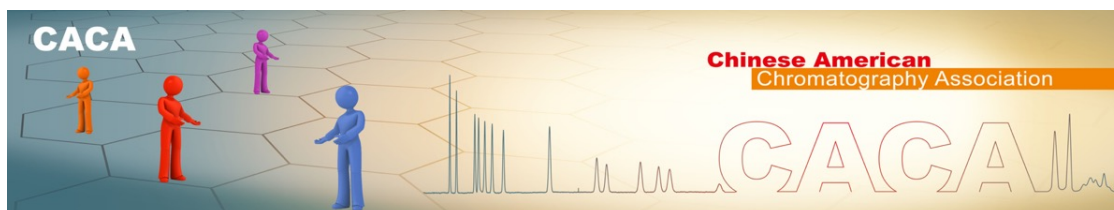
#### Engineered Peptide-Based Biomaterials for Developing Cell-Scaffold Matrices and Tumor Targeted Drug Delivery

**Speaker:** **Prof. Ipsita A. Banerjee, Ph.D.**  
Chair, Chemistry Department  
Fordham University

**Date:** **Thursday, April 27, 2023**  
**Time:** 5:15 PM



[Download Flyer](#)



## BOARD MEETING DATES FOR 2023

The dates for all of the Board Meetings of the ACS New York Section for 2023 are online. The meetings are open to all – everybody is welcome. All members who would like to attend any of the meetings should inform the New York Section office by emailing [Ms. Bernadette Taylor](#). Mary Virginia Orna, Ph.D. will Chair all meetings. The meetings will start at exactly 6:30 PM.

The next four board meeting dates are, as follows:

**Friday, April 14, 2023** (in person)  
William H. Nichols Symposium and Medal Award Dinner at the Sonesta Hotel, White Plains, NY.

**Monday, June 5, 2023** (hybrid)  
**Monday, September 18, 2023** (hybrid)  
**Monday, November 20, 2023** (hybrid)

Please note that there will also be an in person meeting of the Finance Committee on Wednesday, **November 15, 2023**.



Department of  
Chemical & Biomolecular Engineering

### Spring Lecture Series

**Date:** Friday, April 21<sup>st</sup>, 2023

**Time:** 10:45am – 12:00pm

**Location:** Pfizer Auditorium (5 MetroTech Center - Dibner Hall)



**Kathryn Whitehead**  
Carnegie Mellon University

### *Distinguished Science Lecture Honoring Professor Herbert Morawetz*

#### **Lipid nanoparticles for RNA delivery: COVID-19 vaccines, chemistry, and beyond**

Messenger RNA (mRNA) therapeutics have taken center stage thanks to the successful deployment of the SARS-CoV2 mRNA vaccines in hundreds of millions of people worldwide. These vaccines were made possible by a herculean effort to overcome the most significant barriers that have hindered translational efforts. Arguably, the largest challenge has been that RNA molecules do not readily enter their cellular targets within the body. This is because they are large ( $10^4 - 10^6$  g/mol) and negatively charged; they do not have favorable biodistribution properties nor an ability to cross the cell membrane of target cells. In response to these issues, industrial and academic laboratories, including my own, have created lipid nanoparticles that spontaneously package RNA and deliver the RNA to key cellular targets in vivo. Here, I will describe biodegradable, ionizable lipid-like materials called 'lipidoids' that my lab has used to create RNA-loaded lipid nanoparticles that induce protein expression in a variety of tissues in mice. This talk will describe an especially potent lipid nanoparticle, its chemical characteristics that confer efficacy, and potential applications, including delivery to the pancreas. Together, these data advance our understanding of lipid nanoparticle chemistry and are expected to contribute to the successful formulation of next-generation mRNA therapies.

Per university policy, all visitors should be prepared to show legal ID & proof of COVID-19 vaccination.



**UNDERGRADUATE RESEARCH SYMPOSIUM**

The Student Activities invites you to attend the **70<sup>th</sup> Annual Undergraduate Research Symposium** to be held at LaGuardia Community College, CUNY ([directions](#)) on **Saturday, May 6, 2023**. This hallmark year marks our return to an in-person symposium that provides an excellent opportunity for undergraduate chemistry students to present their research.

[Read more here](#)

**24<sup>th</sup> ANNUAL STUDENT RESEARCH SYMPOSIUM – CALL FOR ABSTRACTS**

The Hudson-Bergen Subsection proudly presents a FREE virtual forum for students and their faculty mentors to present the results of their research on **Friday, April 28, 2023 from 3:00 – 6:30PM**. Outstanding graduating students are also being recognized. Students who wish to make virtual presentations must send an abstract by **April 14, 2023**.

Mr. Giorgino D. Macalino of the Estée Lauder Companies. pictured at right, will present a keynote address entitled:

*Color Science – Optics in Cosmetic Applications*

Register via email to [Dr. Mihaela Leonida](#) or [Mr. Thomas Drwiega](#) by April 14, 2023

[Read more here](#)



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

**NEW YORK ACS 2023 ELECTIONS**

The Board of Directors would like to extend our heartfelt thanks to all the candidates for accepting the nominations, and for their willingness to support the New York Local Section and chemistry through donating their time, efforts, and sharing their expertise. Ballots, electronic or paper, will be sent to the membership by May 1, 2023. Any member that does not receive voting materials by May 1, please contact the Section Office.

[See the list of candidates here](#)

## NORTH JERSEY MEETINGS

### 2023 NORTH JERSEY EXECUTIVE COMMITTEE MEETINGS

2023 North Jersey ACS Chair Justyna Sikorska and the Executive Council welcome you to our monthly NJACS meetings. Meetings will be held either virtually or in hybrid mode (virtually with an in-person option at the Merck Kenilworth site). The meetings are normally held on **Mondays from 7 pm to 9 pm once per month**. All members are welcome to attend and become more involved in section activities.

For any additional information including a link to virtual meetings and RSVP deadline for in-person meetings, please [click here](#).

April 17 (virtual)

May 22 (hybrid)

June 19 (hybrid)

October 23 (virtual)

November 13 (virtual)

December - TBD

### NJACS NMR TOPICAL GROUP

#### An Intrinsically Disordered Phosphoswitch Controls Circadian Timekeeping in Humans

**Speaker:** Carrie Partch, Ph.D.  
Department of Chemistry and Biochemistry  
University of California – Santa Cruz

**Date:** Thursday, April 20, 2023

**Time:** 12:00 PM ET via [MS Teams](#)

Further information can be found on the [NMR Topical Group website](#) and by emailing [Tom Osborn Popp](#) or [Christine Jorge](#).  
[Download Flyer](#)



### NORTH JERSEY ACS MASS SPECTROMETRY DISCUSSION GROUP

The [Mass Spectrometry Discussion Group](#) is pleased to announce our **April 11, 2023, Meeting**.

**Date:** Tuesday, April 11, 2023

**Venue:** [Somerville Elks Lodge 1068](#)

375 Union Avenue  
Bridgewater, NJ 08807  
(908) 707-1545

**Program:** 5:30PM Social Time  
6:15PM Complementary Dinner  
6:55PM Welcome Remarks  
7:00PM Invited Speaker



Please [register here](#) for free.

[Download flyer](#)

## NJACS SALUTES ITS 50-, 60-, & 70-YEAR MEMBERS

Congratulations are in order to the 50, 60, and 70 Year Members of the North Jersey Section – [names given here](#). These members will be recognized for their service to ACS and the Section at the Awards Dinner on **Monday May 22, 2023**.

### 2023 Awards and Recognition Dinner

**Date:** Monday, May 22, 2023

**Times:** 5:30 PM – Presentation of Certificates & Awards to 50, 60, and 70 year members  
6:00 PM – Dinner 7:00 PM – Presentation of Awards to volunteers & students

**Place:** Fairleigh Dickinson University  
College at Florham, Lenfell Hall in The Mansion  
Madison, NJ

## NEW JERSEY CHEMISTRY OLYMPICS (NJCO) RETURNS TO IN-PERSON ON MAY 12!



The award-winning [2023 New Jersey Chemistry Olympics](#) will be held 100% in-person on **May 12, 2023** on the [New Jersey Institute of Technology](#) (NJIT) campus in Newark, NJ. This will be our 35<sup>th</sup> competition and the first in-person since the pandemic forced the transition to a virtual (vNJCO) in 2020-2022.

We are very excited that in 2022, the 2021 vNJCO won the Outstanding High School Student Program Award from the ACS, a testament to the success of our program in reaching out to high school science students and their teachers.



This year's NJCO will look like our other in-person events, but we have incorporated some of what we learned through our 3 vNJCOs. Anyone interested in judging or helping out should contact the NJCO Director [Dr. Miriam Gulotta](#)

[Read more here](#)



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## THIS MONTH IN CHEMICAL HISTORY

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

This month's contribution continues the review of the "Annual Reports of the Progress of Chemistry". Highlighted this month are the discussions of polyene pigments, and the new technique of catalytic hydrogenation.

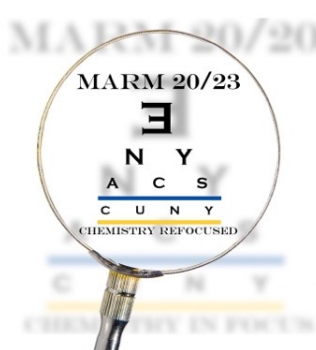
[Read more here](#)




## MIDDLE ATLANTIC REGIONAL MEETING (MARM 2023)

The New York ACS is hosting the 2023 Middle Atlantic Regional Meeting of the ACS (MARM2023) on **June 9-10, 2023**. The theme of the meeting is 'Chemistry Refocused'. MARM2023 will have one day of technical talks and poster sessions at the City University of New York Graduate Center on June 9<sup>th</sup>. The following day, MARM 2023 will continue with educational programming at St. John's University. The program contains sessions on the Chemistry of

Life Sciences, Materials Chemistry, Cosmetic Chemistry, and Flavor & Fragrance Chemistry. These are augmented with poster sessions, an exposition, a graduate school fair, a workshop on promotion to full professor, a social media social, a plenary lecture, an ACS Governance social, a 50-,60-,70-year member luncheon and an awards dinner



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## FAIR FOR EMERGING RESEARCHERS (FER)

The seventh annual Fair for Emerging Researchers (FER) took place virtually on March 18<sup>th</sup>, 2023. Several 5<sup>th</sup>-8<sup>th</sup> grade students from schools across the tri-state area came together via the virtual platform [WorkAdventure](#) to present their findings from independent, longitudinal research projects conducted under the guidance of our 16-week mentorship program.

[Read more here](#)



## OPPORTUNITIES

### For High School Students & Teachers

- ACS Hach Postbaccalaureate Teaching Scholarship  
[Due May 1](#)
- ACS Hach Second Career Teacher Scholarship  
[Due May 1](#)
- ACS Hach High School Chemistry Classroom Grant  
[Due May 1](#)

### For Undergraduates

- DE Shaw Graduate Fellowship  
[Due April 17](#)
- Priscilla Carney Jones Scholarship  
[Due May 1](#)
- Student Chapter Awards  
[Due May 31](#)
- WCC-Eli Lilly Travel Award  
[Due June 1](#)

### Graduate Students / Postdocs

- DE Shaw Graduate Fellowship  
[Due April 17](#)
- ACS Bridge Conference  
[Due May 31](#)
- WCC-Eli Lilly Travel Award  
[Due June 1](#)
- Dr. Mow Shiah Lin Scholarship  
[Due June 7](#)



## CALLING ALL UNDERGRADUATES



The [New York Society of Cosmetic Chemists](#) invites undergraduates to early career professionals to their Future Chemist Workshop at the Javits Convention Center on May 2, 2023. Gain hands-on experience in formulation. Email [John Carola](#) to register and for more information about this event.

## FOR WOMEN AND NON-BINARY COMPUTATIONAL CHEMISTS



Erin Davis  
Senior Vice President  
Schrödinger



Gabriela Charlot  
DEI Specialist  
Schrödinger



Karen Akinsanya  
President of R&D  
Schrödinger



Pat Lorton  
Chief Technology Officer  
Schrödinger



Ramy Farid  
CEO  
Schrödinger

Schrödinger is hosting a two-day symposium on **May 23-24, 2023** that includes an overview of research and development projects at Schrödinger, an interactive molecular modeling workshop led by our education team, an employee panel with some of our female scientists and software developers, and resume workshop sessions. This event features the speakers shown at right is open to PhD students and postdocs conducting computational research in STEM fields.

[Apply here by April 15](#)



## ***JOB BOARD***

Starting your career or looking for the next challenge? Review these postings as well as others on the New York ACS [Job Board](#). Email your job postings to [jobs@NewYorkACS.org](mailto:jobs@NewYorkACS.org) for inclusion.

**Manager, QC Chemistry - BeiGene**

[Apply here](#)

**Senior Scientist, Computational Chemistry - Merck**

[Apply here](#)

**Associate Director, QC Chemistry and Characterization – American Regent**

[Apply here](#)

**Assistant Professor, Environmental Chemistry – Kingsborough Community College**

[Apply here](#)

**Assistant Professor, – Hostos Community College**

[Apply here](#)

**Assistant/Associate Professor, Organic/Medicinal Chemistry – Kean University**

[Apply here](#)

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## UPCOMING CONFERENCES

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 **EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION 2023**  
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November 13–15, 2023



**ACS**  
**FALL 2023**  
HARNESSING THE POWER OF DATA

***Abstracts due April 4<sup>th</sup>***

**Submissions for the  
May issue of The  
Indicator are due on  
April 16<sup>th</sup>.**

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