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Calendar of Events

- March 2, 2023**
Long Island Subsection
- March 7, 2023**
NJACS Chromatography Group
- March 8, 2023**
Westchester Chemical Society
- March 20, 2023**
NJACS Executive Committee Meeting
- March 20, 2023**
NYACS Board of Directors Meeting
- March 30, 2023**
Long Island Subsection
- April 14, 2023**
William H. Nichols Distinguished Symposium & Medal Award Dinner
- June 9-10, 2023**
Middle Atlantic Regional Meeting (MARM 2023)

2023 William H. Nichols Medalist Professor Karen I. Goldberg

Professor Karen I. Goldberg of the University of Pennsylvania ([bio](#)) will be presented with the 2023 William H. Nichols Medal at a distinguished symposium in her honor on Friday, April 14, 2023 ([program](#)). Prof. Goldberg is being honored *for pioneering work in organometallic reaction mechanisms*. The in-person symposium starts at 1:00 PM ET and is entitled, as follows:

Catalysis for a Sustainable Future

The following luminaries will present their work at the distinguished symposium:

Organometallic Chemistry of High Valent Late Transition Metals

[Professor Melanie Sanford](#), University of Michigan

Development of New First-Row Metal FOX Complexes for Alcohol Dehydration

[Professor William Jones](#), University of Rochester

Catalytic Dehydrogenation of Alkanes by Transition Metal Complexes

[Professor Alan Goldman](#), Rutgers – The State University of New Jersey

Selective C-H Bond Activation of Alkanes: Collaborating with Nature to Develop Sustainable Chemistry

[Professor Rachel Narehood Austin](#), Barnard College

Molecular Oxygen as a Reagent in Late Transition Metal Organometallic Chemistry

[Professor Karen I. Goldberg](#), 2023 Nichols Medalist, University of Pennsylvania

The New York ACS acknowledges financial support of this event by the William H. Nichols Fund for Chemistry at the Boston Foundation.

NORTH JERSEY MEETINGS

2023 NORTH JERSEY EXECUTIVE COMMITTEE MEETING

2023 North Jersey ACS Chair Justyna Sikorska and the Executive Council welcome you to our monthly meetings. All meetings will be held virtually, for any additional information [click here to email our Communications Chair](#).

March 20 (virtual)
April 17 (virtual)
May 22 (hybrid)
June 19 (hybrid)

September 18 (hybrid)
October 23 (virtual)
November 13 (virtual)
December – TBD

NORTH JERSEY ACS CHROMATOGRAPHY GROUP

Theme: Cannabis Analysis



Speaker 1

Dr. Nandakumara Sarma
USP

*"USP Considerations for Quality
Attributes of Cannabis Inflorescence
for Medical Purposes"*



Speaker 2

Dr. Walter Brent Wilson
NIST

*"The Role Chromatography Plays in
the NIST Cannabis Laboratory
Quality Assurance Program"*

NJCG is hosting an online seminar **1:30 pm- 3:30 pm** (US EST) on **March 7th, 2023** focused on **"Cannabis Analysis"**. Registration is free using the link provided and NJCG welcomes global audiences to participate in this great event.

[Register here](#)
[Download Flyer](#)

NORTH JERSEY ACS MASS SPECTROMETRY DISCUSSION GROUP

The [Mass Spectrometry Discussion Group](#) of North Jersey ACS has exciting events planned for 2023! These include in-person and virtual symposia, as well as the Vendor Show. Please check the NJACS website for more details.



April 11th
April 25th
May 16th
September 21st

Bruker - in person @ Somerville Elks Lodge in Bridgewater, NJ
MOBILion – virtual (WebEx)
Sciex - in person @ Somerville Elks Lodge in Bridgewater, NJ
Vendor Show – Booking vendors in an ongoing fashion.
Speakers secured as below:

Speaker 1 – [Dr. Bhagwat Prasad](#), Washington State
Speaker 2 – [Dr. Peters Nemes](#), University of Maryland

November 13th-15th

EAS – NJ-ACS MS Topical Group will organize two sessions

NJACS & NYACS LEADERS ATTEND THE ACS LEADERSHIP INSTITUTE

The North Jersey ACS Younger Chemists Committee Co-Chair, Mary Chioma Okorie (left picture), attended the Younger Leaders Track at the annual American Chemical Society (ACS) Leadership Institute, as a recipient of the Younger Chemists Committee Leadership Development Award. The event was held in Atlanta, GA from January 20 - 22, 2023.



Dr. Furlan (center of the right photo above) shared with the attendees the successful story of the New York ACS' ChemLuminary award winning "#IAMNYACS" social media campaign project, which was well received. Also attending the Leadership Institute were Dr. Ruben Savizky (at left in photo above) and Dr. Maria Contel (at right in photo) of the New York ACS.

[Read more here](#)



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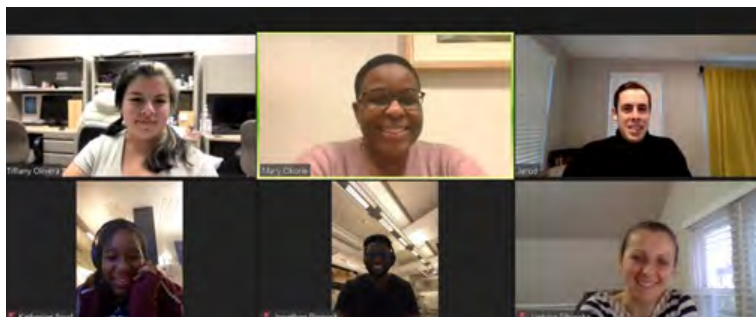
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NJACS YOUNGER CHEMISTS COMMITTEE

The North Jersey ACS Younger Chemists Committee held their Spring 2023 Seminar Series featuring Dr. Jarod Grossman a Senior Scientist in the Software & Informatics Division at Agilent Technologies on January 24, 2023, via Zoom.

[Read more here](#)



NEW YORK SECTION MEETINGS

BOARD MEETING DATES FOR 2023

The dates for the next three Board Meetings of the ACS New York Section for 2023 are below.

Monday, March 20, 2023 (hybrid)

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)

[Info on other dates](#)



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[Click here](#) to request a copy of our new rate sheet and reply form via email.

ACS NATIONAL HISTORIC CHEMICAL LANDMARK DEDICATION CEREMONY

Join Us in Honoring
a STEM Pioneer



Celebrating the life and legacy of

Dr. Marie Maynard Daly

*First African American Female
Ph.D. in Chemistry*

Public outreach events throughout 2023 with the
National Historic Chemical Landmark Dedication
at Columbia University on May 19, 2023

All are welcome to attend the dedication of the ACS National Historic Chemical Landmark honoring Dr. Marie Maynard Daly at Columbia University on **May 19, 2023 from 10:00AM – 2:00PM**. 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. Mände Holford (Hunter College – CUNY)
- Dr. Sibrina Nichelle Collins (Lawrence Tech)
- Dr. Marc Walters (New York University)

The symposium will be followed with the screening of a short film about Dr. Daly's life and impact and the dedication of the US National Historic Landmark in her honor.

[Register here](#)



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LONG ISLAND SUBSECTION

Virus-like particle α Gal glycoconjugate as a vaccine candidate against Chagas disease

Speaker: Dr. Carlos A. Sanhueza
School of Pharmacy and Health Sciences
St. Johns University

Date: Thursday, March 2, 2023

Time: 6:00 PM via [Zoom](#)

Cost: Complementary

[Download Flyer](#)



Sustainable Metal Production through Coordination Chemistry: Elucidating Similarities and Differences in the Properties of Isostructural Nb^V/Ta^V Complexes to Drive Separation



Speaker: Maxwell H. Furigay
Department of Chemistry
University of Pennsylvania

Date: Thursday, March 30, 2023

Time: 6:00 PM via [Zoom](#)

Cost: Complementary

[Download Flyer](#)

COMMITTEE ON THE HISTORY OF THE NEW YORK LOCAL SECTION

Over the past twenty-five years the New York Section has participated in the designation of seven, soon to be eight, National Historic Chemical Landmarks and four New York Section Historic Chemical Landmarks, as detailed on its [website](#). 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.

THIS MONTH IN CHEMICAL HISTORY

In 1933, hypophosphoric acid was an enigma – was it H_2PO_3 or $\text{H}_4\text{P}_2\text{O}_6$? This month's contribution Prof. Goldwhite continues the exploration of the 1933 volume of "Annual Reports of the Progress of Chemistry" which answers that question. It also reports on the coordination chemistry of alkali metals – decades before the advent of crown ethers and cryptands. The issue continues into the chemistry of the dithionate ion, $[\text{O}_3\text{SSO}_3]^{2-}$, and the metabisulfite ion $[\text{O}_3\text{SSO}_2]^{2-}$, two ions that one is not likely to see in an undergraduate curriculum.

[Read the full article here](#)

WESTCHESTER CHEMICAL SOCIETY**Science and US History of Whisky Making**

Speaker: **Victor Margiotta, M.S.**, President
VMAR Food Labeling Association, LLC

Date: **Wednesday, March 8, 2023**

Time: 5:30 PM Refreshments

6:00 PM Seminar

Place: In-person: Gateway 110
Westchester Community College
or hybrid option via [Zoom](#)

[Download Flyer](#)



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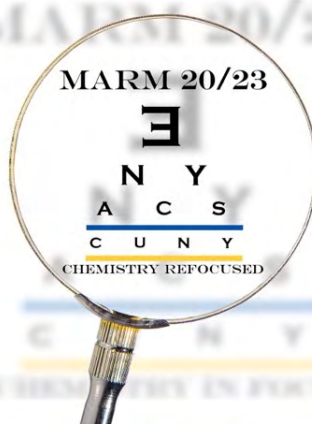
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MIDDLE ATLANTIC REGIONAL MEETING MARM 2023

Where: CUNY Graduate Center
& St. John's University

Date: **Friday, June 9-10, 2023**

Time: 10:00 AM – 2:00 PM

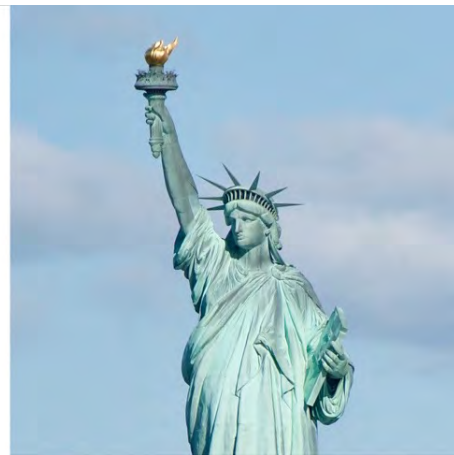


[Website](#)

[Abstracts due March 6, 2023](#)

[Registration open](#)

[Exposition & Sponsorship Opportunities Available](#)



CALL FOR ABSTRACTS: 2023 UNDERGRADUATE RESEARCH SYMPOSIUM

The Student Activities Committee of the New York Section of the American Chemical Society would like to invite you to attend the [70th Annual Undergraduate Research Symposium](#) to be held at LaGuardia Community College, CUNY ([directions](#)) on **Saturday, May 6, 2023** from **8:00AM – 2:00PM**. This hallmark year also marks our return to an in-person symposium.

[See website for more information](#)

Abstract submission deadline: April 1, 2023

Registration Deadline: April 15, 2023



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

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

HUDSON-BERGEN SUBSECTION

24TH ANNUAL STUDENT RESEARCH SYMPOSIUM - CALL FOR ABSTRACTS

The Hudson-Bergen Subsection is hosting a virtual forum for students (undergraduate and graduate) and their faculty mentors to present the results of their research on **Friday, April 28, 2023 from 3:00PM – 6:30PM**. Students who wish to make virtual presentations must send an abstract via e-mail to mleonida@fdi.edu, by **April 14, 2023**. The abstract should be in MS Word (font Times New Roman 12) and must include the names and 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.**

[More info](#)



**Registration Open
Housing Closes March 2nd**



Abstracts due April 4th

CHEMISTS CELEBRATE EARTH WEEK 2023 – NEW YORK ACS

Join the New York ACS on **Sunday, April 16, 2023** from 11:00AM – 3:00PM for our 10th Annual Celebration of Earth Week at the Jones Beach [Energy and Nature Center](#)! What a perfect place to celebrate this year's theme of 'The Curious Chemistry of Amazing Algae'. [Registration](#) is FREE, but space is limited so everyone must register (including children).

[Download Flyer](#)

***WESTCHESTER CHEMICAL SOCIETY DISTINGUISHED SCIENTIST AWARDEE***

The Westchester Chemical Society is honored to announce that its 2023 Distinguished Scientist Award will be granted to **Dr. Ipsita A. Banerjee**, Chair of the Chemistry Department at Fordham University. She will be recognized on **Wednesday, April 27, 2023** at Pace University in Pleasantville for her development of a broad range of molecularly designed supramolecular soft materials that can function as bioactive scaffolds for targeted nanoscale drug delivery and tissue regeneration.

More details in the April Issue of The Indicator

JOB BOARD

Assistant Professor, Tenure Track – Seton Hall University

[Apply here](#)

Assistant Professor, Chemical Biology and Computation Chemistry – Albert Einstein College of Medicine

[Apply here](#)

VP / Editor in Chief – Chemical & Engineering News

[Apply here](#)

Innovation Scientist/Senior – Firmenich

[Apply here](#)

Chemist, Skincare – Shiseido

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Chemistry, Senior Scientist – Merck & Co.

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Staff Scientist, Analytical lab – Innophos

[Apply here](#)

Environmental Analyst I – New York State Department of Environmental Conservation

[Apply here](#)


FROM OUR PARTNERS

 **NYU** | TANDON SCHOOL OF ENGINEERING

Department of
Chemical & Biomolecular Engineering

Spring Lecture Series

Date: Friday, April 21st, 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 ($10^6 - 10^8$ 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.

Contact: Melissa Parsowith mparsowith@nyu.edu and Dan Alicotta dan.alicotta@nyu.edu

 **ACS** Local Section
Chicago




March Hybrid Meeting

THURSDAY, MARCH 16, 2023
8:30 PM (ET)

DR. DONNA J. NELSON
Professor Of Chemistry
The University Of Oklahoma

**"Breaking Bad: My Experiences as
a Science Advisor"**



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**Dr. H. Martin Friedman
University Lecture**

Friday, April 28, 2023 – 11:30 a.m.

**Life Science Center II Room 130
225 University Ave., Newark, NJ**



Professor Zhenan Bao

Department of Chemical Engineering
Stanford University, Shriram Center
Stanford, CA

**"Skin-inspired Organic
Electronics"**

[Seminar information](#)

MEETING REPORTS

2023 NEW YORK SECTIONWIDE CONFERENCE

The New York Section's Annual Sectionwide Conference was held at St. John's University January 28th. The conference offered attendees the opportunity to meet with colleagues and ACS friends after another successful year and plan events honoring Dr. Marie Maynard Daly. The conference included award presentations, two keynote addresses, introductions of the 2023 election candidates, and planning sessions for the Section's 2023 activities. Mary Virginia Orna, Ph.D., the New York Section Chair for 2023, welcomed everyone and acknowledged the outstanding service of the Section's volunteers during 2022.



A suite of once and future New York ACS Chairs enjoying the Sectionwide Conference. From left, Rita Upmacis (2021 Chair), Marc Walters (2008 Chair), Eric Chang (candidate for 2024 Chair-Elect), Ping Furlan (2023 Chair-Elect) and Alison Hyslop (2016 Chair).

[Read a detailed report here](#)

Submissions for the April issue of The Indicator are due on March 16th.

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

NEW YORK ACS PARTNERED WITH THE NEW YORK HALL OF SCIENCE AND PEPSICO FOR THE 2022 NATIONAL CHEMISTRY WEEK CELEBRATION

The New York ACS celebrated National Chemistry Week (NCW) 2022 with our partners at The New York Hall of Science (NYSCI) on October 16, 2022 from 11:00 am to 12:30 pm. The theme of "Fabulous Fibers: The Chemistry of Fabrics" was highlighted throughout the events.

[See detailed report here](#)



PepsiCo volunteers help the visitors make their favorite drinks.



Dr. Jennifer Albert helps the visitors create their artful bookmarks by paper chromatography.

GRANTS & AWARDS

GRANT OPPORTUNITIES

ACS PETROLEUM RESEARCH FUND



Grant proposals for funding fundamental research in the petroleum field are now being accepted.

DUE MARCH 10, 2023

[Learn more](#)

GLOBAL INNOVATION GRANT

Up to \$5,000 may be requested to support ACS units for internationally collaborative and innovative activities/events.

DUE APRIL 9, 2023

[Learn more](#)

SENIOR CHEMISTS COMMITTEE DIVERSITY, EQUITY, INCLUSION AND RESPECT (DEIR) GRANT

Grants of \$500 are available for projects that advanced ACS's core values of diversity, equity, inclusions and respect which are led by senior chemists.

DUE MAY 31, 2023

[Learn more](#)

SENIOR CHEMISTS MINI-GRANT

Local Sections may request \$500 to support an event or activity to increase the engagement of senior members.

DUE MAY 31, 2023

[Learn more](#)

LOCAL SECTION MEMBER ENGAGEMENT AND ENHANCEMENT(MEET) GRANT

Local Sections may request up to \$2000 to strengthen and build community by better engaging their current membership, or by recruiting new members.

DUE MAY 31, 2023

[Learn more](#)

AWARDS

Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

Deadline: March 1, 2023

E. Ann Nalley Middle Atlantic Regional Award for Volunteer Service to the ACS

Deadline: March 8, 2023

ACS Division of Chemical Education Middle Atlantic Region Award for Excellence in High School Teaching

Deadline: March 8, 2023

E. Emmet Reid Award in Chemistry Teaching at Small Colleges

Deadline: March 8, 2023

WOMEN CHEMISTS COMMITTEE OVERCOMING CHALLENGES AWARD

Recognizes an individual undergraduate for her efforts in overcoming hardship to achieve success in chemistry

DUE APRIL 1, 2023

[Learn more](#)

TEACHER SCHOLARSHIPS

ACS HACH POST-BACCALAUREATE TEACHER SCHOLARSHIP

Provides up to \$6,000 in financial support for recent graduates and graduate students with an interest in becoming chemistry teachers.

DUE May 1, 2023

[Learn more](#)

ACS HACH SECOND-CAREER TEACHER SCHOLARSHIP

Provides up to \$6,000 in financial support for chemistry professionals to obtain their masters degree in education or teacher certification in chemistry.

DUE MAY 1, 2023

[Learn more](#)

OPPORTUNITIES

For High School Students

Liberty Science Center's Partners in Science Program

[Due March 17](#)

ACS Project SEED

[due March 31](#)

ChemClub Student Scholarship

[Due March 31](#)

SLAS – NOBCChe Scholarship

[Due April 1](#)



For Undergraduates

ACS Scholars Program

[Due March 1](#)

ACS Bridge Program

[Due March 15](#)

Priscilla Carney Jones Scholarship

[Due May 1](#)

Student Chapter Awards

[Due May 31](#)

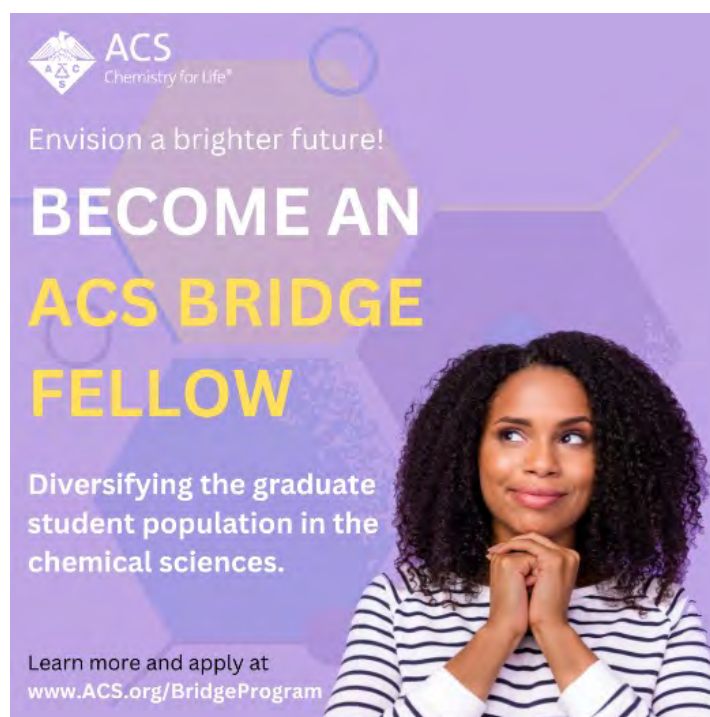
For Aspiring Faculty

Soft Matter Future Faculty Workshop

[due April 3](#)

Postdoc to Faculty Workshop

[Learn more](#)



SAFETY IS EVERYONE'S CULTURE

ACS CHAS Peer Led Workshop:

Empowering academic researchers to strengthen safety culture

Workshop Goals:

- Educate participants about the value of risk assessment
- Guide participants towards gaining awareness of safety culture messages from leadership at their institutions
- Empower participants to expand their safety networks and develop laboratory safety teams

<https://dchas.org>

ACS Technical Division
Chemical Health & Safety (CHAS)

Led by Adelina Oronova, Michigan Technological University and Christy Lynn Dyer, University Of Memphis
Sunday, March 05, 2023; 2 - 5:30 PM Eastern Time

Registration for this workshop is \$25 per participant. This **workshop** is directed at frontline researchers in academic institutions: **graduate students, postdoctoral scholars, and undergraduate students**. Faculty and safety staff are also very much encouraged to participate.

Join the Division of Chemical Health & Safety for a 3.5-hour workshop directed at frontline researchers in academic institutions from undergraduates to faculty. Topics discussed include: risk assessment of research projects, understanding the often confusing safety hierarchies of academic institutions, and graduate student led Laboratory Safety Teams. \$25 registration fee.

[Register here by March 5](#)