

THE Indicator

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ACS Fellows Class of 2023

See pages 6 & 8



ACS Local Section
North Jersey



ACS Local Section
New York

SEPTEMBER 2023

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THIS MONTH IN CHEMICAL HISTORY

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

Yes, there is a little chemistry in this. story. I once “did lunch” with Oliver Stone and Michael Caine at the Beverly Wilshire and appeared in a movie they were making – as an extra.

In 1976 I lost my left hand, disarticulated at the wrist, as a result of a laboratory explosion. I was cleaning my lab after a year’s absence on sabbatical. I wore full protective clothing – or so I thought. I lifted a 5 ml. pear shaped flask, closed with a Teflon stopper, and holding about 0.5 mL of a colorless liquid, with my left hand and pulled out the stopper. Immediate detonation. A quick-thinking colleague applied a tourniquet to my left arm. I was hospitalized for two weeks, had plastic surgery, and lost my left hand. I worked with physical therapists and a prosthetist over the next year. Some time later, in 1980 as I recall, I got a call from my prosthetist with a somewhat unusual request. He had been contacted by a film director who wanted to talk to someone who had lost a hand in a traumatic accident. The prosthetist asked me if I was interested, and I agreed to meet the director.

I drove to his office in what used to be the Selznick studios and met Oliver Stone who was directing his first movie for a major studio. Stone had recently received an Oscar in 1979 for his screenplay for “Midnight Express”. We had a long and engaging conversation about my experience, and about the planned movie entitled “The Hand”, based on a novel “The Lizard’s Tail”. In this story an artist loses his hand, and the hand takes on a life of its own with horrific consequences. Mr. Stone asked me to meet with the star of the movie to talk about my accident.

And so I lunched with Oliver Stone and Michael Caine at the Beverly Wilshire. Mr. Stone and I arrived first to be soon joined by Mr. Caine who was briefly escorted by his wife - and chauffeur - but after introductions she left the three of us to lunch and discuss business. Lunching with a recognizable celebrity was quite entertaining. I could see many of the patrons at nearby tables eyeing us and no doubt wondering who were these two guys in close conversation with Michael Caine. (Oliver Stone was still little-known at this time). Mr. Caine and I found things in common: both grew up in the East End of London; he was a year younger than I; both evacuees during World War II. He was very interested in my emotional state immediately after my accident. It was, surprisingly enough, shame.

A few days later Oliver Stone and I visited a special effects studio in the Valley run by the Rambaldi family. Carlo Rambaldi had been an Oscar winner in 1979 for his work on “Alien”. He was particularly interested in my bioelectronic left hand prosthesis and took some photos of it. I believe this was one of the influences on the designs for various versions of the hand in the movie.

I had two further interactions with the cast and crew of the movie. The first was in a studio where a shot of a shower scene of a body double for the now one-handed artist was under way. In the script the artist loses his right hand. Since I had lost my left hand another amputee was doubling for Michael Caine in the shower. I saw, but alas did not meet, another star of the film, Viveca Lindfors. A week later I was asked to come for location work at the UCLA prosthetics laboratory. The usual array of trucks and trailers was in evidence and filming soon began in the laboratory – a large open room with benches. The action involved designing a prosthesis for the artist, and it took many takes to get the scene right. Oliver Stone asked me to appear as an extra – a prosthetist in a white coat in the background of the shot, hammering away at something. For this I received the standard \$50 for an extra plus an excellent lunch (union rules) from the food trucks.

And so ended my brilliant movie career. A couple of weeks later I received a check for my consulting work, and eventually I saw the movie on VHS. Michael Caine was excellent but the plot was unbelievable. Two stars out of five.

THE INDICATOR**Editor**

DR. BRIAN GIBNEY

brg33@newyorkacs.org**Associate Editor**

DR. KATHLEEN GILBERT

kgilbert@njacs.org**Acting Advertising Manager**

DR. NEIL JESPERSEN

Phone 516-883-7864 • Cell: 347-658-9898

jespersn@stjohns.edu**INDICATOR COMMITTEE**DR. LES McQUIRE, **Chair**

908-334-5473

Les@LesMcQuire.org**New York Section Representative**

DR. NEIL JESPERSEN

Phone 516-883-7864 • Cell: 347-658-9898

jespersn@stjohns.edu**North Jersey Section Representative**

Dr. QI GAO

qi.gao1@merck.com**SECTION WEB MASTERS****NY Section** – DR. BRIAN R. GIBNEYpostmaster@newyorkacs.org**Noj Section** – PAUL TUKEYptukey@njacs.org**NORTH JERSEY SECTION** <https://www.njacs.org>**Chair**, DR. JUSTYNA SIKORSKA

Associate Principal Scientist, Merck & Co., Inc.

2015 Galloping Hill Rd., Kenilworth, NJ 07033

justyna.sikorska@merck.com**Chair-Elect**, DR. SANDRA KEYSER

EH&S Senior Safety Specialist, Rocket Pharma

9 Cedarbrook Drive, Cranbury, NJ 08512

732-939-6412 • sandrakeyser@gmail.com**Secretary**, BETTYANN HOWSON

49 Pippins Way, Morris Township, NJ 07960

973-822-2575 • chemphun@gmail.com**Section Office**

49 Pippins Way, Morris Township, NJ 07960

973-822-2575 • chemphun@gmail.com**NEW YORK SECTION** <http://newyorkacs.online/>**Chair**, DR. MARY VIRGINIA ORNA

ChemSource, Inc.

39 Willow Drive, New Rochelle, NY 10805

914-310-0351 • mvorna@newyorkacs.org**Chair-Elect**, DR. PING Y. FURLAN

US Merchant Marine Academy

300 Steamboat Road, Kings Point, NY 11024

516-726-5783 • furlanp@usmma.edu**Secretary**, DR. DANIEL AMARANTE

Dept. of Chemistry, Stony Brook University

100 Nicolls Road, Stony Brook, NY 11794

631-632-2043

damarante@mercy.edu**Section Office**, BERNADETTE TAYLOR

Office Administrator St. John's University,

Dept. of Chemistry, 8000 Utopia Parkway,

Queens, NY 11439 732-770-7324 •

btaylor@NewYorkACS.org**THE
Indicator**<http://www.theindicator.org/>

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EDITORIAL DEADLINES

October 2023	September 16, 2023
November 2023	October 16, 2023
December 2023	November 16, 2023
January 2024	December 16, 2023

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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 ACS unless so stated. The Indicator is distributed electronically to members via email and their websites. Non-members are invited to read it online. ACS Members should register their email addresses [here](#).

Address advertising correspondence to [Advertising Manager](#). Other correspondence to the [Editor](#).

September Calendar

NORTH JERSEY SECTION

Monday, September 18, 2023

Executive Committee Meeting

See page 15

SAVE THE DATE

Thursday, October 12, 2023

NJCG 2023 Symposium

Saturday, October 21, 2023

ChemExpo

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Thursday, November 18, 2023

NJACS Organic Topical Group

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NEW YORK SECTION

Thursday, September 14, 2023

Long Island Subsection

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Monday, September 18, 2023

Board of Directors Meeting

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SAVE THE DATES

Sunday, October 15, 2023

National Chemistry Week

See page 13

Saturday, November 18, 2023

Frances S. Sterrett Environmental Symposium

See page 12



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DR. EMILY CARTER SELECTED AS THE 2024 WILLIAM H. NICHOLS MEDALIST FOR GROUNDBREAKING QUANTUM INSIGHTS IN SUSTAINABLE CATALYSIS

The New York Section of the American Chemical Society is proud to announce that the Nichols Award Jury has chosen Professor Emily A. Carter of Princeton University to be the William H. Nichols Medalist for 2024. Professor Carter is the Gerhard R. Andlinger Professor in Energy and the Environment and Professor of Mechanical and Aerospace Engineering, the Andlinger Center for Energy and the Environment, and Applied and Computational Mathematics. She is being honored **for groundbreaking quantum insights in sustainable catalysis**. The Nichols Medal Award will be presented at the Nichols Award Dinner that follows the Distinguished Symposium in her honor on April 12, 2024.



Prof. Carter earned her B.S. in Chemistry (High Honors) from the University of California – Berkeley and her Ph.D. in Chemistry at the California Institute of Technology with Prof. William Goddard III. Dr. Carter spent sixteen years on the faculty at the

University of California – Los Angeles before moving to Princeton in 2004, where she spent the next 15 years as a jointly appointed faculty member in mechanical and aerospace engineering, and applied and computational mathematics. She was the Founding Director of the Andlinger Center for Energy and the Environment for six years and Dean of the School of Engineering and Applied Science for three years before being recruited back to UCLA as its Executive Vice Chancellor and Provost, and as Distinguished Professor of Chemical and Biomolecular Engineering. She returned to Princeton and PPPL in 2022 to build new efforts in sustainability science. Among her many honors, she has been elected to the National Academy of Sciences, the American Academy of Arts and Sciences, National Academy of Inventors, the National Academy of Engineering, and the European Academy of Sciences.

Further details about the Nichols Symposium for 2024 honoring Prof. Carter, entitled:

Physical Chemistry and Sustainability

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



Elemental CHN, S, X analysis	Ion Chromatography
Metals by ICP-OES, ICP-MS, USP<233>	KF Aquametry, Titrimetry
FTIR, UV/VIS spectroscopy, Optical Rotation	DSC, TGA, melting point
GC-MS/FID, Residual Solvents, Headspace	HPLC

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FOUR NORTH JERSEY ACS MEMBERS HONORED AS ACS FELLOWS

Four North Jersey ACS members were recognized for their outstanding achievements in, and contributions to, science, and service to the American Chemical Society. Included in the 2023 Class of ACS Fellows were, as follows:

Prof. Lynn C. Francesconi (Hunter College – The City University of New York)

Luciano Mueller, Ph.D. (Bristol-Myers Squibb)

John Piwinski, Ph.D. (JJPiwinski Pharma Consulting, LLC)

Prof. Omowunmi Sadik (New Jersey Institute of Technology)



L-R William Greenlee, Lynn Francesconi, John Piwinski, Alan Cooper, Luciano Mueller, Omowunmi Sadik

Prof. Lynn C. Francesconi

Hunter College – The City University of New York

Contribution to the Science/Profession: Recognized for scientific leadership in radioactive metal research and applications, with long-term work in Technetium chemistry, and for the inspiration and encouragement of young scientists into nuclear chemistry and radiochemistry.

Contribution to the ACS Community: Recognized for service as National Director of the Department of Energy/ACS Nuclear Chemistry Summer Schools (NCSS; 2019–present). This capstone program introduces students to nuclear chemistry and radiochemistry, an area of national need.



FOUR NORTH JERSEY ACS MEMBERS HONORED AS ACS FELLOWS (continued)**Luciano Mueller, Ph.D.***Bristol-Myers Squibb*

Contribution to the Science/Profession: Recognized for the invention of the 1H-detected heteronuclear multiple quantum coherence (HMQC) spectroscopy, which demonstrated the potential of harnessing the high sensitivity of proton-mediated detection of information-rich spectra of low-sensitivity nuclei.

Contribution to the ACS Community: Recognized for being the 2016 North Jersey section chair, focused on improving member participation, establishing a successful mentoring program for younger chemists, and increasing the member participation at meetings through the use of telecommunication.

John Piwinski, Ph.D.*JJPiwinski Pharma Consulting, LLC*

Contribution to the Science/Profession: Recognized for significant contributions to the discovery of therapeutic agents, several of which have been approved for clinical use. Oversaw the Medicinal Chemistry Department for nine years at major pharmaceutical company, Schering-Plough.

Contribution to the ACS Community: Recognized for significant contributions to the continuing education of organic and medicinal chemists by inviting speakers, organizing symposia, and co-chairing North Jersey Section of ACS (NJACS) Project SEED.

**Prof. Omowunmi Sadik***New Jersey Institute of Technology*

Contribution to the Science/Profession: Recognized for visionary leadership in green synthesis, nanosensors, and nanomaterials to improve sustainable applications, human health, and the environment.

Contribution to the ACS Community: Recognized as the founder of the Division of Agricultural and Food Chemistry/Sustainability and Green Technology subdivision, mentored new chemists, and served as Local Section chair, technical chair of Northeast Regional Meeting, ACS symposia organizer, and ACS Symposium Series co-editor.



NEW YORK ACS'S ROBERT M. HOYTE HONORED AS ACS FELLOW

Robert M. Hoyte, Distinguished Teaching Professor Emeritus at SUNY Old Westbury, has been named an American Chemical Society Fellow for his impactful contributions to the science/profession of chemistry and his service to the American Chemical Society. Unfortunately, Prof. Hoyte was unable to attend the ceremony in San Francisco in person.

Contribution to the Science/Profession: Recognized for integrating impactful research on the synthesis of radiolabeled biomolecules with programmatic and hands-on mentoring and encouragement of underrepresented minority students to enter chemical and chemically-related biomedical science.

Contribution to the ACS Community: Recognized for nearly five decades of leadership and service to ACS national committees and the New York section focusing on advancing the inclusion of the underrepresented in the chemical sciences.



Celebrating the 2023 Class of ACS Fellows

Pictured (L-R) Neil Jespersen, Rita Upmacis, 2023 Nichols Medalist Karen Goldberg, Lynn Francesconi, NYACS Chair Mary Virginia Orna, Alison Hyslop & Frank Romano

Happy
GRANDPARENT'S
day
September 10, 2023

CHEMLUMINARY AWARDS FOR NEW YORK AND NORTH JERSEY ACS



New York ACS' ChemLuminary Award winning Career Day video (click image to view)

Both the New York and North Jersey local sections were honored at the 25th Annual ChemLuminary Awards held during the Fall ACS Meeting & Exposition in San Francisco.

The New York ACS earned the following two ChemLuminary Awards:

- Best New Public Relations or Communications Program of a Local Section
- Outstanding Performance Award – Very Large Size Category

The North Jersey ACS earned the following one ChemLuminary Award:

- Outstanding American Association of Chemistry Teachers (AACT) Support Award (pictured below)



Pictured (L-R): W. Mike Adams, SOCED Chair, Bettyann Howson, Diane Krone, Justin Bogart, Sandra Keyser (all from NJACS) & Angela Wilson, Past President ACS

NEW YORK ACS MEMBERS HONORED AT MARM 2023

Two New York ACS members were honored at the 2023 Middle Atlantic Regional Meeting Awards dinner on June 9th. Prof. Ipsita Banerjee of Fordham University was honored with the 2023 E. Emmet Reid Award in Chemistry Teaching at Small Colleges in the American Chemical Society's Middle Atlantic Region for her success in encouraging and stimulating high-quality teaching and research at a small college. Prof. Barbara Hillery, Associate Provost of SUNY Old Westbury received the E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society's Middle Atlantic Region. Dr. Hillery has served a variety of volunteer roles in the Middle Atlantic Region, having served as Chair of the Long Island Subsection, Chair for the New York ACS, Co-Chair of the Regional Chemagination Contest in 2016, a New York ACS Councilor and member of the Local Section Activities Committee, and President of the Eastern Analytical Symposium.



Prof. Ipsita Banerjee with her students and ACS President Judy Giordan (at left)



Prof. Robert Mishur presents the E. Ann Nalley Award to Prof. Barbara Hillery.

NEW YORK ACS'S OUTSTANDING SERVICE AWARD FOR 2023 TO BE AWARDED TO PROFESSOR JOSEPH SERAFIN

Associate Professor Joseph M. Serafin, of St. John's University, has been selected to receive the New York Section's 2023 Outstanding Service Award. Dr. Serafin is being honored for his selfless service to the New York Section over the last decade. The Outstanding Service Award will be presented at the Sectionwide meeting in January 2024.

Joe Serafin has effectively served the New York Section of the American Chemical Society in a number of roles over the past decade. He has served as Secretary and Chair of the New York ACS and General Co-Chair of MARM 2020 & 2023. Currently he is a councilor for the New York ACS serves on The Indicator Committee and chairs the Member Affairs Committee.



NEW YORK SECTION MEETINGS

NEW YORK ACS ELECTION RESULTS

The results of the New York ACS 2023 elections 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 2024 Dr. Eric Chang

Treasurer for 2024-2025 Dr. Brian R. Gibney

Director-at-Large for 2024 Dr. Ronald D'Amelia
Dr. Barbara Hillery
Dr. Justyna Widera-Kalinowska

Councilors for 2024-2026 Dr. Maria Contel
Mr. Frank Romano

Alternate Councilors Dr. Hiroko Karan
for 2024-2026 Dr. Paris Svoronos

BOARD MEETING DATES FOR 2023

The remaining board meetings dates for 2023 are, as follows:

Monday, September 18, 2023 (hybrid)

Monday, November 20, 2023 (hybrid)

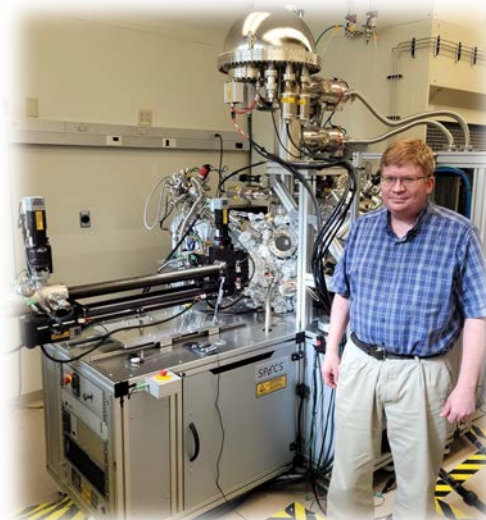
These meetings are open to all, but an RSVP for in-person attendance is required 5 days before the meeting.

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

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

LONG ISLAND SUBSECTION

Chemical Warfare and Current Advances in Defense Research



Speaker: Dr. Wesley Gordon
U.S. Army, Edgewood Chemical
Biological Center

Date: Thursday, September 14, 2023

Place: Via [Zoom](#) ([Registration is free](#))

Time: 6:45 PM

Abstract: Chemical warfare agents are horrific weapons causing them to be banned by the international chemical warfare convention in most countries. As stockpiles in most countries are being destroyed, there is still a threat to military personnel, civilians, and individuals. One organization dedicated to maintaining a strong chemical defense is the U.S. Army's Combat Capabilities Development Command Chemical Biological Center. I will provide a brief overview of chemical warfare agents and their impact on humans, and discuss new instrumentation being brought online for the study of interactions of chemical warfare agents with military related materials (e.g. adsorption, reaction) and discuss recent research on decontamination and protection technologies currently under development such as metal organic frameworks. I will also touch on our broad collaboration with academic, government, and other partners to bring these results to fruition.

2023 Frances S. Sterrett Environmental Chemistry Symposium

What is the Future of Electric Vehicles?

Saturday, November 18, 2023

Berliner Hall Room 117, Hofstra University, Hempstead, N.Y. 11549-1000

<http://newyorkacs.online/sterrett/>

The Frances S. Sterrett Environmental Chemistry Symposium is committed to delivering current and accurate scientific insights on environmental subjects to the public. Co-hosted by the Long Island Subsection and the New York Section of the American Chemical Society (ACS), this event is made possible with support from the ACS LS-MEET Grant, and Hofstra University's Chemistry Department. We invite you to join us and gain invaluable insights from field experts as they illuminate the path forward for electric vehicles (EVs), exploring the evolution of EV batteries and beyond.

Dr. Hao Liu

Assistant Professor
Chemistry Department
Binghamton University
Multi-electron Redox for Na-ion Battery

Dr. Muhammad Mominur Rahman

Chemistry Research Associate
Chemistry Division
Brookhaven National Laboratory
Electrolyte Additives & Solvent Development for Li-Metal Batteries

Dr. Paris Svoronos

Professor, Retired
Outstanding CC Professor-CASE/Carnegie
CUNY-Queensborough Community College
Nikola Tesla: Life & Contributions to AC Theory & Modern Technologies

Dr. Priyanka Bhattacharya

Senior Manager
Battery R&D
Blue Current INC
Prospects of Solid-State Batteries for Electric Vehicles and Beyond

Dr. Esther Takeuchi

SUNY Distinguished Professor
Knapp Chair in Energy & Environment
Stony Brook University
Impact of Repeated Fast Charge on Electric Vehicle Batteries

Dr. Kenneth Takeuchi

Distinguished Teaching Professor
Chemistry Department
Stony Brook University
New Materials Concepts for Next Generation Electric Vehicle Batteries

Dr. Steve Greenbaum

Professor
Physics Department
CUNY-Hunter College
Structural & Dynamical Insights of Novel Li⁺ Battery Solid Electrolytes via NMR

Dr. Brian Gibney

Professor and Chair
Department of Chemistry & Biochemistry
Brooklyn College
From Gasoline to Green: Adventures in Old-Fashioned and Electric Car Driving



ACS Local Section
New York
Long Island Subsection

Registration (free): using the link [2023 LIACS-ECS](#)
Contact: [Dr. Paris Svoronos](#) – Symposium Chairperson

**NEW YORK ACS NATIONAL CHEMISTRY WEEK 2023
CALL FOR VOLUNTEERS / SPONSORS**



THE HEALING POWER OF CHEMISTRY

October 15th | 2023 | #NationalChemistryWeek

@ New York Hall of Science – 10:00 AM – 4:00 PM



**Join ACS NY & PepsiCo with our partners at
New York Hall of Science as we celebrate
National Chemistry Week 2023**

We are looking for volunteers/Sponsors to perform or support
Chemistry Demonstrations for NCW. General volunteers to
support the event are also welcome.

[CLICK HERE TO REGISTER](#)



In Celebration of National Chemistry Week 2023

NORTH JERSEY ACS CHEMEXPO: CALL FOR VOLUNTEERS

THE HEALING POWER OF CHEMISTRY

October 15–21 | 2023
#NationalChemistryWeek

**CHEMEXPO 2023**

The North Jersey Section's celebration of National Chemistry Week, ChemExpo, occurs on the Saturday before or after Mole Day, 10/23 (remember Avogadro's number?). This year the theme is "The Healing Power of Chemistry". The details for this year are:

Date: Saturday 10/21/23
Time: 12:00 P – 4:00 PM
Where: Liberty Science Center, Jersey City, NJ

Attention all college and high school chemistry sections/clubs/enthusiasts!

Challenge: prepare a hands-on activity that LSC's child visitors can participate in (target elementary to middle school age children).

Judging: Each group's activity(ies) will be judged on

- **Safety**
- **Ease of participation - How easy it is for the LSC visitors to participate?**
- **Engagement & Enthusiasm: the enthusiasm of the presenters is proportional to LSC visitors engagement.**
- **Chemistry: How well do the presenters:**
 - o understand the chemistry behind the activity?
 - o answer questions

Prizes – given to the 2 top placing college and the 2 top placing high school groups (based on sufficient participation).

NORTH JERSEY SECTION MEETINGS

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

2023 NORTH JERSEY ACS 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 to email our Communications Chair](#).

September 18 (hybrid)
November 13 (virtual)

October 23 (virtual)
December - TBD



[Poster Abstracts Due September 4, 2023](#)

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.

Please email our Secretary [Bettyann Howson](#) with any questions regarding the 2024 NJACS election.



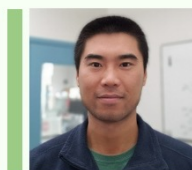
NORTH JERSEY ORGANIC TROPICAL GROUP FALL SYMPOSIUM 2023**NJACS ORGANIC TOPICAL GROUP FALL SYMPOSIUM 2023****NEW INNOVATIONS IN
SYNTHESIS AND CATALYSIS****BIOCATALYSIS
PHOTOCATALYSIS
TOTAL SYNTHESIS
RADIO LABELING AND
MORE!****CALL FOR ABSTRACTS**

Local graduate students, undergraduate students, and post-docs in organic chemistry are encouraged to submit an abstract to be considered for a poster session, to be held during the symposium's coffee breaks. Registration is free for student/postdoc presenters; free transportation will be arranged if needed.

ABSTRACT GUIDELINES:
 <300 words. Include Name,
 PI, Institution & Graduate
 Level

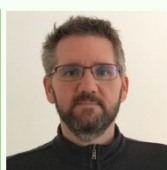
SUBJECT LINE:
 NJACS Poster Abstract
EMAIL TO:
 joseph.badillo@shu.edu

ABSTRACT DEADLINE:
 September 15, 2023
ACCEPTANCE:
 September 22, 2023

SPEAKERS

**Dr. Yichen
Tan**

BMS
Biocatalysis



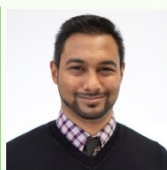
**Prof. Corey
Stephenson**

University of Michigan
Photoredox Syntheses



**Dr. Sumei
Ren**

Merck
Radio Labeling



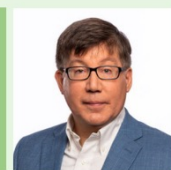
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**Prof. Erik
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Princeton University
Total Synthesis

NOVEMBER 16, 2023 - 9:00AM - 5:00PM EST



The Palace at Somerset Park
 333 Davidson Ave, Somerset, NJ 08873

NORTH JERSEY ACS YOUNGER CHEMISTS COMMITTEE

Hope everyone enjoyed their summer and is looking forward to the fall!

Here are the planned YCC meetings for this fall:

- October: “Seminar speaker” for industry/academic career series
- November: “Are you LinkedIn?” event for finding a job online
- December: “Seminar speaker” for industry/academic career series

We are actively searching for seminar speakers, and are planning to do a possible collaboration with NYACS YCC for the [LinkedIn](#) event. We will send more details about date/times once available.

Be on the lookout for more events they have planned and follow their social media pages for upcoming events!

Social Media Handles

Website: <http://www.njacs.org/ycc>

Email: njacs.youngerchemistscommittee@gmail.com

Facebook: [NJACS YCC Public Group](#)

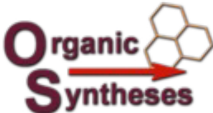



Twitter: [NJACSYCC](#)

Instagram: [@njacsycc](#)



CALL FOR PARTICIPANTS – FIRST GENERATION PROFESSIONALS

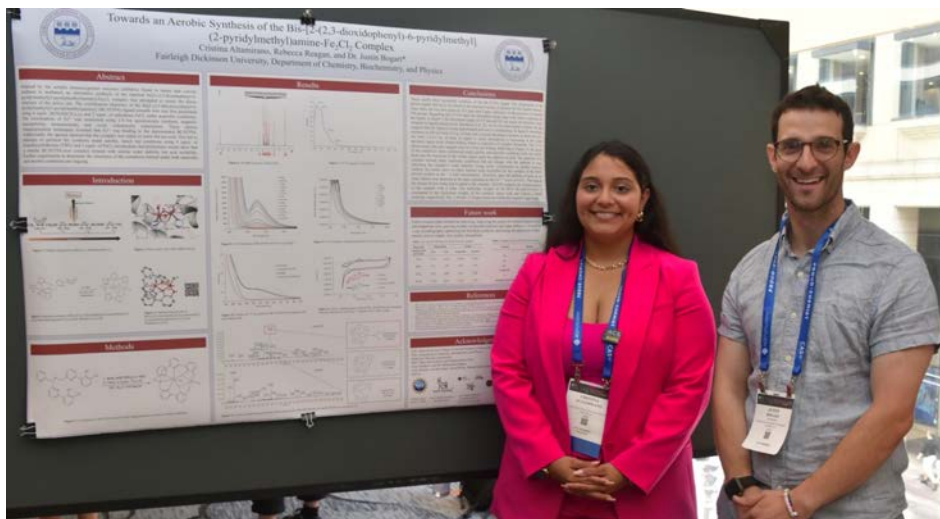
Are you the first in your family to graduate with a bachelor's or higher degree? If so, please consider participating in this research project by answering [a short survey](#). Know someone who fits this criteria? Send them the link. Valerie Duran, a student at José Martí STEM Academy, is collaborating with the Union City Scientific Research Program and Liberty Science Center's Partners in Science to study the common experiences of first-generation professionals. Your responses to the questionnaire will be analyzed in a psychological lens. If you have any questions or concerns, please feel free to contact Valerie by [email](#). Additionally, if you are interested in the results of the study, contact Valerie through the aforementioned email address.

	<h3>2023 Organic Syntheses Lectureship</h3>		
	<p>Professor Jeff Aubé Distinguished Professor, Center for Integrative Chemical Biology and Drug Discovery Professor, Department of Chemistry, University of North Carolina at Chapel Hill</p> <p>“Collaborative Medicinal and Organic Chemistry”</p>	<p>Dr. Michael Clift Principal Research Scientist I, AbbVie, North Chicago, IL</p> <p>“Enabling Chemistry at the Interface of Late Discovery and Early Development”</p>	
<p>Wednesday, November 1st, 2023 – 11:30 a.m.</p> <p>Life Science Center II Room 130 225 University Ave., Newark, NJ</p>	<p>Seminar Information</p> <p>Hosted by: Professor Michal Szostak Department of Chemistry</p>	<p>Wednesday, November 1st, 2023 – 2:30 p.m.</p> <p>Life Science Center II Room 130 225 University Ave., Newark, NJ</p>	

NORTH JERSEY ACS TRAVEL GRANT STUDENTS PRESENT RESEARCH POSTERS AT ACS FALL MEETING

The North Jersey local section provides up to four travel grants to students presenting research at national ACS meetings. Students may apply for the spring or fall meeting using the application online at NJACS.org. Abbas Wafa, Samuel Annan, both from Caldwell University and Cristina Altamirano, Fairleigh Dickinson University, each received a grant for the fall meeting in San Francisco, August 20-23, 2023.

Many members stopped at the poster sessions to view and ask questions regarding the research that was exhibited. They all made the NJACS proud of its students! Dr. Justin Bogart, FDU and Dr. Xiaolei Gao, CU, are the faculty advisors of the award recipients.



Cristina Altamirano and Dr. Justin Bogart



Abbas Wafa and Samuel Annan

Each student took away the event as a meaningful experience. Abbas noted, *"My time at the ACS meeting helped me understand the vastness of the world of chemistry and allowed me to further appreciate its beauty and complexity. I thoroughly enjoyed meeting the fellow students and the professionals in attendance who have humbled me with their outstanding research. I thus walk away from this meeting a more knowledgeable individual, and excited to learn even more about this wonderful subject!"*

Cristina, who was also a distinguished recipient of a Lilly Travel Award and said, *"The NJACS Travel Award benefited me in more ways than I imagined; the award not only defrayed financial barriers but also provided me invaluable resources. Through this American Chemical Society (ACS) National conference, I was given the opportunity to present my poster, network with recruiters, listen to keynote speakers, attend award winner presentations, collect resources from the exposition, and meet with an ACS Career Advisor, which I would have not had access to any of these materials had I not been at this ACS Fall 2023 conference. I am forever grateful!"*

Samuel felt, *"Attending the National ACS meeting proved to be a pivotal moment for me. It immersed me in a diverse range of cutting-edge research and connected me with prominent experts, surpassing any previous event. This experience significantly deepened my passion for Chemistry and will undeniably shape my approach as I incorporate its principles into my ongoing undergraduate journey and future medical education."*

The education committee looks forward to providing travel support to students at the spring national meeting in New Orleans, LA, March 17-21, 2024.

MEETING REPORTS

JOSÉ MARTÍ STEM ACADEMY AWARD DINNER

Contributed by Mary Virginia Orna, Ph.D.

José Martí STEM Academy, Union City, celebrated the academic achievement of its top 25 scholars with an Awards Dinner on June 7, 2023. Among the celebrants were numerous Project SEED students and also recipients of the NYACS Outstanding Project SEED Student Scholarships for Excellence in Chemical Sciences, pictured below from left to right: Steffani Rajapaksha, Melanie Perez, Natalia Hernandez, Vedi Patel and Diego Arias.



NYACS Chair, Mary Virginia Orna presented the certificates. One of the recipients echoed the sentiments of the awardees with this remark:

“I want to express my gratitude for Project SEED once more. The organization truly helped me grow into becoming a passionate scientist. I hope to keep you updated on all my efforts to serve as a proponent of innovation in the STEM field in years to come.”

– Steffani Rajapaksha




NYACS Chair Mary Virginia Orna along with José Martí STEM Academy Project SEED coordinators Jennifer Donnelly and Nadia Makar.

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!

**October issue
submission deadline is
September 16th**



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American Chemical Society

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

Questions? Email Isac@acs.org
#ACSSpeakerDirectory

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.

EDISON DAY – ANOTHER GREAT NORTH JERSEY ACS OUTREACH EVENT

The North Jersey Section has participated in Edison Day as guests of the museum every year the event has run since the Thomas Edison Laboratory Complex in West Orange, NJ became an ACS Chemical Heritage Landmark in 2014. The rangers are marvelous hosts. We focus on the science and they take care of everything else.



The light bulb Thomas Edison developed uses heat to generate light (incandescence). But those lightbulbs are horribly inefficient and are being replaced by newer more efficient light sources like Light Emitting Diodes (LEDs). This year our activities included building circuits that use LEDs, showing that the same electricity used to power an LED can also be used to run a fan or to simultaneously run them both. In addition, we showed students how the sun can be used to generate the electricity needed to run these same devices as well as power an electric car.



The week leading up to the event I packed up all the activities and confirmed that there would be a steady flow of volunteers throughout the day. Little did I know that 2023 would go down as the Edison Day of obstacles. Several volunteers dropped out right before the event due to illness or injury and the sun decided to take the day off. But the North Jersey section would not be stopped! The sun was replaced by a high lumen output flashlight. The rest of

the volunteers covered for those who could not make it. Thanks to volunteers Kathleen Gilbert, Mary Okorie, Debra Sweet, and Luciano Mueller for making Edison Day 2023 such a successful event! The week leading up to the event I packed up all the activities and confirmed that there would be a steady flow of volunteers throughout the day. Little did I know that 2023 would go down as the Edison Day of obstacles. Several volunteers dropped out right before the event due to illness or injury and the sun decided to take the day off. But the North Jersey section would not be stopped! The sun was replaced by a high lumen output flashlight. The remaining volunteers covered for those who could not make it. Thanks to volunteers Kathleen Gilbert, Mary Okorie, Debra Sweet, and Luciano Mueller for making Edison Day 2023 such a successful event!

Volunteer Debra Sweet also gave us a bonus activity. She brought a huge cloth periodic table that we set up as a backdrop.

EDISON DAY – ANOTHER GREAT NORTH JERSEY ACS OUTREACH EVENT (continued)

The brightly colored periodic table brought many visitors to our table and we gave out wallet sized periodic tables from 2019, the International Year of the Periodic Table (*of course we had periodic tables on hand! We're the NJACS*). Adults came over to learn more about the periodic table so they could increase their Jeopardy prowess. A very little boy (figure 4) not much higher than our activity table dragged his mother over pointing the whole way. When he got to our table he said, "look Mom, it's the periodic table!". We were stunned. Mary asked him his age – "I'm four". Mom said he reads a lot. We showed him how electronic circuits and solar panels worked, gave him chemistry magazines to read, a fluffy mole wearing goggles to play with, and of course a periodic table. We look forward to seeing him in Stockholm Sweden accepting his Nobel Prize in ~30 – 50 years.



It was a great day! Now on to thinking about activities for 2024.



NEW YORK ACS SALUTES ITS 50-, 60- & 70-YEAR MEMBERS

The New York Section Board would like to congratulate all our local members that have reached their 50-, 60- and 70-year member milestones! Members reaching their milestone in 2023 were invited to attend a complimentary awards luncheon at the CUNY Graduate Center, William Kelly Skylight Ballroom, New York City on Friday, June 9, 2023. The award luncheon was held in conjunction with the 2023 Middle Atlantic Region Meeting at CUNY Graduate Center. The awards were presented by Judy Giordan, President, American Chemical Society, Mary Virginia Orna, Chair, ACS New York Section, and Frank Romano, NYACS Membership Awards Chair. This venue gave a spectacular view of the Empire State Building through the skylight. The food and service and company were delightful. Special thanks to MARM organizers Brian Gibney, Alison Hyslop, and Joseph Serafin. Attendees really enjoyed this event and were glad they were able to attend and look forward to their next 10-year member anniversary milestone. This event was sponsored by the New York Section and a grant from the ACS Senior Chemists Committee and was organized by Frank Romano, Member Awards Chair.



BRAVO!

NEW YORK ACS SALUTES ITS 50-, 60- & 70-YEAR MEMBERS (continued)

Ms. Elizabeth Marie Bailey
 Dr. Bruce J. Berne
 Mr. Roland L. Lau
 Mr. David Alan Leighty
 Dr. Pietro Mangiaracina
 Mr. Charles C. Matteo
 Dr. John Francis Molina



ANNIVERSARY

CONGRATULATIONS

Dr. Manfred Phillip
 Mr. Edward T. Rennard
 Dr. Jack Douglas Rickly
 Mr. Erich Sokolower
 Dr. Steven D. Stelman
 Dr. Leon Woo
 Dr. Donald G. Wright

Dr. Charles John Cante
 Dr. Margaret Comaskey
 Mr. Gaetano V. D'Angelo
 Mr. Ralph DiPalma
 Dr. Michael J. Frey
 Mr. Sheldon Norman Goldman
 Dr. Thomas H. Haines
 Mr. Chong Tan Liu
 Mr. Milton Meshirer

Dr. Marian B. Meyers
 Mr. Leo Michaels
 Dr. Marshall Dickinson Newton
 Mr. Jack A. Prizzi
 Dr. Eli Rosenthal
 Mr. Gerald R. Schiller
 Dr. Alan Schoffman
 Dr. Suresh C. Srivastava
 Dr. Barry Vogel

Dr. John Paul Dusza
 Dr. John Farber
 Dr. Eric N. Goldschmidt
 Dr. Richard Needham Porter
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ACS
 AMERICAN CHEMICAL SOCIETY
 MEETINGS & EVENTS

ACS SPRING 2024
 MARCH 17-21 | NEW ORLEANS, LA *Many Flavors of Chemistry*

**SUBMIT
 ABSTRACTS**

www.acs.org/Abstracts

MY TEACH FOR AMERICA EXPERIENCE

Jun Ye Cai, Chemistry Teacher at Newark Public Schools

During my [Teach for America](#) experience, I learned to discover and embrace my passion teaching. Teach for America offers a platform for strong college graduates with limited teaching background into teaching in an urban school setting. The main philosophy of Teach for America is to help provide equitable educational opportunities in systematically disadvantaged communities. While I had a lot to learn during my two-year commitment, it was an experience where I found great self-growth for myself.

As a chemistry major in college, I had applied to Teach for America intending to teach high school chemistry. The application process was quite rigorous, having several rounds of interviews. After I had gotten acceptance into the program, Teach for America helped me with the application process for becoming a teacher. Then during the summer, I joined other Teach for America corps members, who were mostly other recent college graduates from across the country, to undergo a 5-week long teacher preparation crash course before heading into the classroom in the fall.

As a new teacher with limited teaching background, my first year was definitively quite challenging. I was in an unfamiliar setting and had to learn fast while starting from scratch. I had to learn quickly that students come from different backgrounds and learning styles inside of one learning space. I had to be flexible. Fundamentally, I needed to provide tailored instructions while having an engaging classroom. Thankfully, I had great support from veteran teachers at my particular school. Also, Teach for America assigns mentors throughout the two years, where I would meet with on a monthly basis to provide further support.

For teaching chemistry, one of the aspects that I learned is students love doing labs, so I would often prepare the laboratory afterschool. Some labs that I found students enjoyed the most include acid base titration lab, Kool Aid lab, and lemon battery lab. Also, I believe that doing many labs helped in building strong connections with my students, which in my opinion, is the most fundamental aspect in teaching. One of my proudest accomplishments through my teaching experience so far is sharing my passion and love for chemistry towards my students. Few of my students expressed to me personally that they intend to study chemistry in college.

After recently finishing my two-year commitment for Teach for America, I became a “Teach for America Alum”, entering into a network of over 50,000 nationwide. Although I decided to continue teaching chemistry at the school where I was assigned, the Teach for America’s alumni network can potentially offer its members various opportunities. Overall, I can say that my Teach for America experience was a life changing one.

[CLICK HERE TO LEARN MORE ABOUT TEACH FOR AMERICA](#)



Application Deadlines:

September 18, 2023

October 30, 2023

February 5, 2024

CALL FOR NOMINATIONS

CALL FOR NOMINATIONS: OUTSTANDING COLLEGE CHEMISTRY TEACHING AWARDS

The New York Section is seeking nominations for the following three awards whose purpose is to recognize, encourage and stimulate high-quality teaching and research:

[Outstanding Two-Year College Chemistry Teaching Award](#)

[Outstanding Four-Year Undergraduate College and University Chemistry Faculty Teaching Award](#)

[Outstanding Four-Year University with Graduate School Chemistry Faculty Teaching Award](#)

Nominations are due October 15, 2023. Candidates need not be members of the ACS. Awardees will be recognized with a major award plaque at the Sectionwide Conference in January 2024. Prior nominations remain active for three years and updating is encouraged.

**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 8, 2023

[Learn more](#)

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 15, 2023

[Learn more](#)

SCIENCE CAFÉ MINIGRANTS

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

DUE OCTOBER 15, 2023

[Learn more](#)

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 NOVEMBER 13, 2023

[Learn more](#)

LOCAL SECTION 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 NOVEMBER 15, 2023

[Learn more](#)

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

Joseph Breen Memorial Fellowship

[Due November 15](#)

For Graduate Students / Postdocs

Arnold O. Beckman Postdoctoral Fellowship

[Letter of Intent due September 6](#)

Truman Fellowship - Sandia National Laboratory

[Due September 12](#)

Early Career Postdoctoral-Faculty Bridge Grant

[Due September 15](#)

Pfizer Emergent Leader Award

[Due October 1](#)

Younger Chemists Leadership Institute Award

[Due October 15](#)

NRC Research Associateship Program

[Due November 1](#)

Joseph Breen Memorial Fellowship

[Due November 15](#)

For Professionals

Teaching Green Fellowship

[Due September 15](#)

2024 Alan T. Waterman Award

[Due September 15](#)

National Chemical Technician Award

[Due September 30](#)

CTA/YCC Leadership Development Award

[Due September 30](#)

Younger Chemists Leadership Institute Award

[Due October 15](#)

ACS Division of Analytical Chemistry Younger Chemists Conference Travel Grants

[Due November 1](#)

The Dreyfus Prize in the Chemical Sciences

[Due December 1](#)



Pfizer Emergent Leader Award

The WCC Pfizer Emergent Leader Award recognizes 8 individuals* who will present their research at an awards symposium to be held during ACS 2024 Spring Meeting.

Awardees will be given a \$1,500 travel stipend to cover expenses. They will present their research at a WCC/Pfizer half-day symposium and be recognized at the WCC Luncheon and Just Cocktails Reception. [Apply today.](#)

Application Deadline:
October 1, 2023



Apply Today!

* This includes women (both cis and trans) and persons assigned female at birth (AFAB), in their 2nd year and above in their graduate studies or undertaking post-doctoral research, in the areas of organic chemistry, synthetic methodology, total synthesis, medicinal chemistry, computational chemistry and chemical biology. Only US citizens and permanent residents are eligible.

YOUNGER CHEMIST

LEADERSHIP INSTITUTE AWARD

Eligibility:

- Aged under 40
- Current grad student, post-doc, or within 7 years of start of career
- Current ACS member

- Have not received this award before.
- International applicants encouraged to apply.

Grant for younger chemists to fund all expenses related to attending Leadership Institute

Awardees will:

- Acquire leadership skills
- Learn about ACS Governance
- Network with current ACS leaders



APPLICATIONS ACCEPTED:

August 16th - October 15th
Award Information & Application Link at:

<https://bit.ly/YCCLDI>

AMERICAN CHEMICAL SOCIETY - YOUNGER CHEMISTS COMMITTEE

Eastern Analytical Symposium (EAS)



VOLUNTEERS NEEDED



Join us as student volunteers for EAS 2023!

-free registration -networking opportunities

The Crowne Plaza Princeton Hotel & Conference Center in Plainsboro, NJ

ACS VIRTUAL OFFICE HOURS

[Next Month: Skydiving into Retirement](#)

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.

Assistant Professor of Biochemistry – New Jersey Institute of Technology

[Apply here](#)

Assistant Professor of Chemistry in Organic Chemistry – Rutgers University – Newark

[Apply here](#)

Assistant or Associate Professor of Chemistry – Marist College

[Apply here](#)

Assistant Professor of Chemistry – Ithaca College

[Apply here](#)

Assistant Dean – Gerstner Sloan Kettering Graduate School of Biomedical Sciences

[Apply here](#)

Director, Academic Laboratories and Field Facilities – Stockton University

[Apply here](#)

Research & Development Scientist – Chroma Color Corporation

[Apply here](#)

Senior Scientist, Chemistry – Merck & Co., Inc.

[Apply here](#)

Experienced Environmental Chemist - Montrose Environmental Group

[Apply here](#)

Method Validation Chemist – Sterling life sciences

[Apply here](#)

Senior Principal Scientist, Protein Biochemistry – Regeneron

[Apply here](#)

Scientist – Bristol Myers Squibb

[Apply here](#)