

THE ACS NORTH JERSEY SECTION ORGANIC TOPICAL GROUP PRESENTS:

NEW INNOVATIONS IN SYNTHESIS AND CATALYSIS

SYMPOSIUM SPEAKERS

Featuring a tribute to Merck Cardiovascular Pioneer, Arthur Allan Patchett



Dr. Sumei Ren

Merck & Co.

Synthesis of Isotopically Labeled Compounds through Innovative Catalysis to Support Drug Discovery and Development



Prof. Erik Sorensen

Princeton University

Some Organic Chemistry from Princeton in 1951 and 2023: A Tribute to the Legacy of Arthur Allan Patchett



Prof. Marvin Parasram

New York University

Anaerobic Oxygen Atom Transfer Reactions Promoted by Photoexcited Nitroarenes



Dr. Yuhua Huang

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A PCSK9 Vignette: from mRNA Display to Passively Permeable Macrocycles



Dr. Yichen Tan

Bristol Myers Squibb

Sustainable Manufacturing of BMS-986278: Leveraging an ERED/KRED Biocatalytic Cascade



Prof. Corey Stephenson

University of Michigan - Ann Arbor

Redox Catalysis Strategies for Complex Molecules

Registration fee
(includes symposium and lunch)

General: \$150

Students: \$15

Presenters/Retirees: free
(email for registration code)

Questions?

Contact us at joseph.badillo@shu.edu

Visit our website or scan the QR code below to register:

<https://www.njacs.org/organic-topical-group>



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



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

NEW INNOVATIONS IN SYNTHESIS AND CATALYSIS

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ACS Local Section
North Jersey



ACS Local Section
New York

NOVEMBER 2023

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THIS MONTH IN CHEMICAL HISTORY

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

I promised you more on Fourcroy, the author of “Philosophie Chimique”, the early 19th. Century book I reviewed briefly in a recent column, and so I hereby fulfil my promise. After all pretty much all I said of this significant scientist was that he was a colleague of Lavoisier, and that he was one of the authors of the important text on chemical nomenclature. He deserves more. The following account is based on the extensive biography and bibliography in Volume 3 of J. R. Partington’s magisterial “History of Chemistry” (Macmillan, 1962).

Antoine Francois de Fourcroy was born in Paris in 1755 to an impoverished noble family. He had little schooling and became a clerk, but a family friend helped him to enroll in medical school where he began to study chemistry. Marriage to an heiress gave him security and he studied with Bucquet and Maquer. He gave an introductory course in chemistry before he graduated, and sometimes filled in for Maquer in the latter’s courses. When Macquer died Fourcroy was appointed to succeed him as Professor at the Jardin du Roi. This was where Lavoisier first studied chemistry and where, probably, he first met Fourcroy.

Despite his slight attachment to nobility Fourcroy was accepted by the revolutionary administration and he succeeded Marat as a member of the National Convention where, among other activities, he successfully argued for the Metric Commission. He supported the establishment of a National Medical School, and was appointed its Professor of Chemistry; and he helped found the Ecole Polytechnique, which became the leading scientific and technological university in the country.

In 1801 Fourcroy was appointed a Consul by Napoleon, and he served as Minister of Public Instruction from 1802 – 1808. At that time France was limited in its imports by the British navy’s blockade and Fourcroy helped organize the saltpeter industry to support the manufacture of explosives.

Now to Fourcroy the chemist. His publications number over 160, most with Vauquelin as co-author. Vauquelin was an outstanding analytical chemist (certainly worthy of a future column) and the scuttlebutt is that Vauquelin did most of the experimental work and Fourcroy wrote the articles. Fourcroy’s first major chemical text, based on his lectures, was published in 1782: “Elementary lectures on natural history and chemistry”. He became increasingly interested in chemistry applied to medicine and physiology and, in collaboration with Vauquelin, analyzed mineral waters, medications, and many natural products. They showed that the “albuminous” materials in vegetables contained nitrogen. Gluten from wheat could be separated into components, one of which (gliadin) was soluble in ethanol while the other (glutenin) was insoluble. Onion juice contained sugars but investigations into rubber latex and cinchona bark (the source of quinine) were inconclusive. Fourcroy was one of a number of discoverers of picric acid from the reaction between nitric acid and indigo; he called it “hydrocarbon of nitrogen superoxygenated”.

In a more grisly mode (I am writing this a week before Halloween) Fourcroy and another colleague, Thouret, had an unusual opportunity when corpses at the Cemetery of the Innocents in Paris, which had become overcrowded, had to be moved. The corpses reeked of ammonia and had a waxy material on them that Fourcroy named adipocire. He believed (incorrectly) that it was identical to the material of gallstones. It is, in fact, a mixture of calcium and potassium salts of long-chain fatty acids.

Fourcroy, often with Vauquelin, carried out studies of milk, cheese, blood, bile, tears, mucus, saliva and urine; they were pioneers of physiological chemistry. They showed the presence of phosphorus in fish roe and, importantly, bones. They purified urea from urine. And in detailed studies of urinary stones they identified uric acid, ammonium urate, calcium phosphate, magnesium and ammonium phosphates, calcium oxalate, and, rarely, silica.

I close with a quote from Partington: “It is the destiny of pioneers to be forgotten and their work superseded...”. I write these columns so that from time to time I may remind you of some pioneers of chemistry.

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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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EDITORIAL DEADLINES

December 2023	November 16, 2023
January 2024	December 16, 2023
February 2024	January 16, 2024

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

November Calendar

NORTH JERSEY SECTION

Monday, November 13, 2023

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Monday, November 13, 2023

NJACS Executive Committee Meeting
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NJACS Organic Topical Group
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NEW YORK SECTION

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Long Island Subsection
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Thursday, November 2, 2023

Computers in Chemistry
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Thursday, November 9, 2023

Westchester Chemical Society
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Saturday, November 11, 2023

Teaching Chemistry to Students with Disabilities
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Wednesday, November 15, 2023

Finance Committee Meeting
See page 5

Saturday, November 18, 2023

Frances S. Sterrett Environmental Symposium
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Monday, November 20, 2023

New York ACS Board of Directors Meeting
See page 5

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Advertise in [The Indicator](#) and reach over 6,200 American Chemical Society members in the New York metropolitan area. Support the STEM programs of the North Jersey and New York ACS while building brand awareness among a focused group of chemistry professionals.

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NEW YORK SECTION MEETINGS

<http://www.newyorkacs.online>

BOARD MEETING DATES FOR 2023

The remaining board meeting for 2023 is on **Monday, November 20, 2023**. This hybrid meeting is open to all, but we kindly request an RSVP for in-person attendance. Mary Virginia Orna, Ph.D. will Chair the meeting which 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**.

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

WESTCHESTER CHEMICAL SOCIETY DISTINGUISHED SCIENTIST AWARD 2024 – CALL FOR NOMINATIONS

The Westchester Chemical Society is now accepting nominations for the "[WCS Distinguished Scientist Award 2024](#)". Scientists who live or work in Westchester or the Bronx qualify. The awardee is expected to attend the Awards Dinner (April/May time-frame) and to present aspects of his or her work. Self-nominations are acceptable. Nominations are not carried over from previous years. New and possibly updated nominations should be submitted. Please send a cover letter stating why your nominee should receive the award along with the nominee's resume by **January 15, 2024** to Dr. Peter Corfield at pcorfield@fordham.edu.



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ANALYTICAL SYMPOSIUM
& EXPOSITION 2023**

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Analytical Chemistry

Crowne Plaza Princeton Conference Center | Plainsboro, NJ
November 13–15, 2023

WESTCHESTER CHEMICAL SOCIETY**Cutting And Pasting With DNA: Genome Editing**

Speaker: Evan Merkhofer, Ph.D.
 Division of Natural Sciences
 Mount Saint Mary College

Date: **Thursday, November 9, 2023**

Place: Westchester Community College
 Gateway Center, Room 110
 75 Grasslands Road
 Valhalla, NY 10595
[Email for Zoom link](#)

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

[Download flyer here](#)

Abstract: Humans have long attempted to shape the world around them; in the field of biology this is no different. Through agriculture and domestication, humans have harnessed aspects of biology for their advantage. With rapidly evolving molecular biology tools and the post-genomic era of genetic information, the ability to manipulate DNA sequences has opened up a new world of potential implications in research, medicine, ecology, and many more fields. The CRISPR/Cas9 system of genome editing allows precise modifications of DNA far superior to previous methods. The potential uses for this technology include somatic and germ cell therapy, gene drives, genetically modified crops, and much more. However, these applications are not without biological and societal implications. This presentation will address the uses and consequences of this paradigm-shifting technology, including recent breakthroughs utilizing CRISPR.

SCIENCE CAFÉ**Opportunities and Challenges with AI**

Speaker: Wendy Cornell, Ph.D.
 Manager and Strategy Lead
 IBM Research Accelerated
 Discovery

Date: **Wednesday, December 6, 2023**

Place: Gianfranco Pizzeria and
 Restaurant
 88 Virginia Road
 North White Plains, NY 10603
 914-682-5655

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

RSVP: By December 4th via [Email](#)

[Download flyer here](#)

Biography: Wendy Cornell is a manager and strategy lead in the IBM Research Accelerated Discovery pillar where her team is developing AI foundation models to support molecular- and target-based drug discovery. Prior to joining IBM, Wendy led teams at Merck and Novartis in developing and applying natural language processing, machine learning, and physics-based models to support key discovery decision stagegates. Wendy received her PhD from the University of California at San Francisco (UCSF). An ACS Fellow, she is a past Program Chair and Chair of the ACS Computers in Chemistry (COMP) technical division.

**The deadline for
 submitting material
 for the December
 issue of The Indicator
 is November 16th**

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

LONG ISLAND SUBSECTION

Studying Both the Solubility of Hypervalent Iodide Reagents as well as Methods to Teach Organic Chemistry Students to Think more like Experts

Speaker: Daniel Silverio, Ph.D.
Department of Chemistry
Adelphi University

Date: Thursday, November 2, 2023

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

Time: 6:45 PM



[Download Flyer here](#)

Abstract: Hypervalent iodine (HVI) reagents are employed in many different reaction types in organic chemistry. Despite the utility of such reagents, the application of HVI reagents, especially phenyliodonium diacetate (PIDA), has been limited due to its perceived poor solubility in a variety of solvents. To address and investigate these limitations, we synthesized HVI reagents where the substituent of the carboxyl group were longer alkyl chains, specifically an n-propyl and n-nonyl group. The solubility of these reagents, as well as the commonly used PIDA and phenyliodonium bis(trifluoroacetate) (PIFA), were measured in dichloromethane, acetonitrile, diethyl ether, tetrahydrofuran, toluene, and hexanes. The HVI reagents derived from the less polar decanoic acid were more soluble in hexanes and less soluble in acetonitrile than the other reagents. Such differing solubility will allow reactions involving HVI reagents to occur in a wider variety of solvents, empowering chemists to be able to better optimize the solvent in such reactions. Additionally, the measured solubilities of PIDA and PIFA will be useful to the synthetic chemistry community.

Recruiting new students to the field of organic chemistry is crucial to the survival of the field and one way to encourage this is by teaching organic chemistry courses effectively. The ability to readily interpret chemical structures is key to understanding organic chemistry. A source of difficulty for students is efficiently visualizing the hydrogens that are implicitly represented in line-angle structures. Many textbooks realize this and use a hybrid line-angle/condensed structure where all the hydrogens are explicitly drawn on a line angle structure. Unfortunately, these hybrid structures are inefficient to draw, so students cannot efficiently use them to write a mechanism.

Using the "prime method", students explicitly represent the amount of hydrogens on the carbon atoms ($^{\circ}$ = 0H, $'$ = 1 H, $''$ = 2H, $'''$ = 3H) in a way that takes far less time than other methods for explicitly drawing hydrogens. Pre- and post-data was collected and compared to a control group. We demonstrate that by using the prime method, statistically significant improvement in student performance is observed for mapping atoms of a starting material onto a product (key for drawing complex arrow-pushing mechanisms) as well as locating stereogenic centers in a molecule.



Teaching Chemistry to Students with Disabilities

Saturday, 11/11/2023

9:30am – 4:00 pm

CUNY Graduate Center

365 Fifth Avenue

New York, NY 10016



This day-long hybrid symposium is based on the new eBook, Teaching Chemistry to Students with Disabilities, written by the Committee on Chemists with Disabilities. It is targeted to high school and college science faculty, graduate teaching assistants, and disability service personnel.

The program is co-sponsored by the national ACS Committee on Chemists with Disabilities, the national ACS Committee on Chemical Safety, and the CUNY Graduate Center, and will be free to live and virtual attendees. It is supported by the NY Section of ACS and a grant from the ACS Local Section Activities Committee.

Free and open to the public

Please register to attend at: <https://tinyurl.com/mpszyn6t>



This event will also be livestreamed on FacebookLive

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OF NEW YORK

2023 FRANCES S. STERRETT ENVIRONMENTAL CHEMISTRY SYMPOSIUM

2023 Frances S. Sterrett Environmental Chemistry Symposium

What is the Future of Electric Vehicles?

Saturday, November 18, 2023

8:45 a.m. – 3:25 pm

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.



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

COMPUTERS IN CHEMISTRY

Computers in Chemistry Topical Group Mini Symposium

Date: Thursday, November 2, 2023

Time: 2:00 PM EST

Location: The Graduate Center of the City
University of New York
365 Fifth Ave., Room 5417
New York, NY 10016
Or [Via Zoom](#)



Register [here](#) or scan QR code to attend in-person

This is a hybrid event. Coffee and Refreshments will be served for in-person attendees.

Co-Sponsored by CUNY Ph.D. Program in Chemistry



Dr. Yingkai Zhang

Professor of Chemistry, New York University
Integrating Machine Learning and Molecular Modeling
for Drug Design



Dr. Yong Zhang

Professor of Chemistry and Chemical Biology, Stevens
Institute of Technology
High Accuracy Computational Predictions of Spectra,
Structures, and Reactions for Biological and Catalytic
Systems



Dr. Katherine Bay

Senior Scientist II, Academic Curriculum Designer,
Schrödinger Education Team
Scaling Computational Chemistry Education in an
Evolving Educational and Professional Landscape

NYACS COMP Co-Chairs

Dr. Marta Kowalczyk
CUNY LaGuardia CC

Dr. Yolanda Small
CUNY Graduate Center
CUNY York College

Dr. Yufeng Wei
New Jersey City University

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](#).

November 13 (virtual) December - TBD

NORTH JERSEY ACS ORGANIC TOPICAL GROUP FALL SYMPOSIUM 2023

Join the NJACS Organic Topical Group on November 16th for their Fall 2023 Symposium entitled:
New Innovations in Synthesis and Catalysis

It features a great lineup of speakers, a student poster session, and a delicious lunch!
[Register here](#).

[Download flyer](#)

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Registration fee (includes symposium and lunch)
General: \$150
Students: \$15
Presenters/Retirees: free (email for registration code)

Questions?
Contact us at joseph.badillo@shu.edu
Visit our website or scan the QR code below to register:
<https://www.njacs.org/organic-topical-group>



NOVEMBER 16, 2023 - 9:00AM - 5:00PM EST The Palace at Somerset Park
333 Davidson Ave, Somerset, NJ 08873

2023 NJACS OTG Symposium Schedule: New Innovations in Synthesis and Catalysis

9:00–9:15	Prof. Joseph Badillo (Seton Hall University) <i>Welcoming remarks</i>
9:15–10:00	Dr. Sumei Ren (Merck): <i>Synthesis of Isotopically Labeled Compounds through Innovative Catalysis to Support Drug Discovery and Development</i> Introduced by Akilah Mateen (Seton Hall University)
10:00–10:45	Prof. Marvin Parasram (New York University): <i>Anaerobic Oxygen Atom Transfer Reactions Promoted by Photoexcited Nitroarenes</i> Introduced by Prof. Magnus Bebbington (Montclair State University)
10:45–11:30	Coffee break & student poster session
11:30 – 12:15	Dr. Yichen Tan (Bristol Myers Squibb) <i>Sustainable Manufacturing of BMS-986278 Leveraging an ERED/KRED Biocatalytic Cascade</i> Introduced by Kevin Lee (University of Pennsylvania)
12:15–1:40	Lunch break
1:40–1:55	Ravi Nargund : <i>Introduction for Tribute to Arthur Patchett</i>
1:55–2:40	Prof. Erik Sorenson (Princeton University): <i>Some Organic Chemistry from Princeton in 1951 and 2023: A Tribute to the Legacy of Arthur Allan Patchett</i> Introduced by Dr. Mike Smith (Bristol Myers Squibb)
2:40–3:25	Dr. Yuhua Huang (Merck) <i>A PCSK9 Vignette: from mRNA Display to Passively Permeable Macrocycles</i> Introduced by Dr. Chunrui Sun (Merck)
3:25–4:10	Coffee break & student poster session
4:10–4:55	Prof. Corey Stephenson (University of Michigan, Ann Arbor): <i>Redox Catalysis Strategies for Complex Molecules</i> Introduced by Prof. Joe Badillo (Seton Hall University)
4:55–5:00	Prof. Joseph Badillo <i>Concluding remarks</i>

NORTH JERSEY CHROMATOGRAPHY GROUP AND THE CHROMATOGRAPHY FORUM OF DELAWARE VALLEY JOINT EVENT AT THE EASTERN ANALYTICAL SYMPOSIUM

The wikiChrom Project: Large Scale Acquisition of Retention Data to Support Fundamental Studies and Method Development in Liquid Chromatography

Speaker: Prof. Dwight Stoll
Department of Chemistry
Gustavus Adolphus College

Date: **Monday, November 13, 2023**

Place: Crowne Plaza Princeton Conference Center
900 Scudders Mill Road
Plainsboro, NJ 08536

Time: 7:00 PM



Efforts to model and simulate various aspects of liquid chromatography (LC) separations (e.g., retention, selectivity, peak capacity, injection breakthrough) depend on experimental retention measurements to use as the basis for the models and simulations. Often these modeling and simulation efforts are limited by datasets that are too small because of the cost (time and money) associated with making the measurements. Other groups have demonstrated improvements in throughput of LC separations by focusing on “overhead” associated with the instrument itself – for example, between-analysis software processing time, and autosampler motions. In our wikiChrom Project we are focused on improving the throughput of retention measurements such that datasets of hundreds of thousands of measurements can be made on a practical timescale (e.g., a few years). In this presentation I will describe our approach, which is focused on the use of low volume columns operated at high flow rates, as well as instrumentation and informatics infrastructure that enable the approach. With about 75,000 measurements in-hand, we have made several important observations that both help to set expectations regarding the characteristics of the data, and guide refinement of the platform as we continue making measurements into the future. This approach significantly increases the rate at which high quality retention data can be collected to thousands of measurements per instrument per day, which in turn will likely have a profound impact on the quality of models and simulations that can be developed for many aspects of LC separations. Finally, all of the data acquired as part of this project are freely available through a website dedicated to the project.

[More info here](#)

11.11 THANK
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MEETING REPORTS

NORTH JERSEY ACS – PROJECT SEED

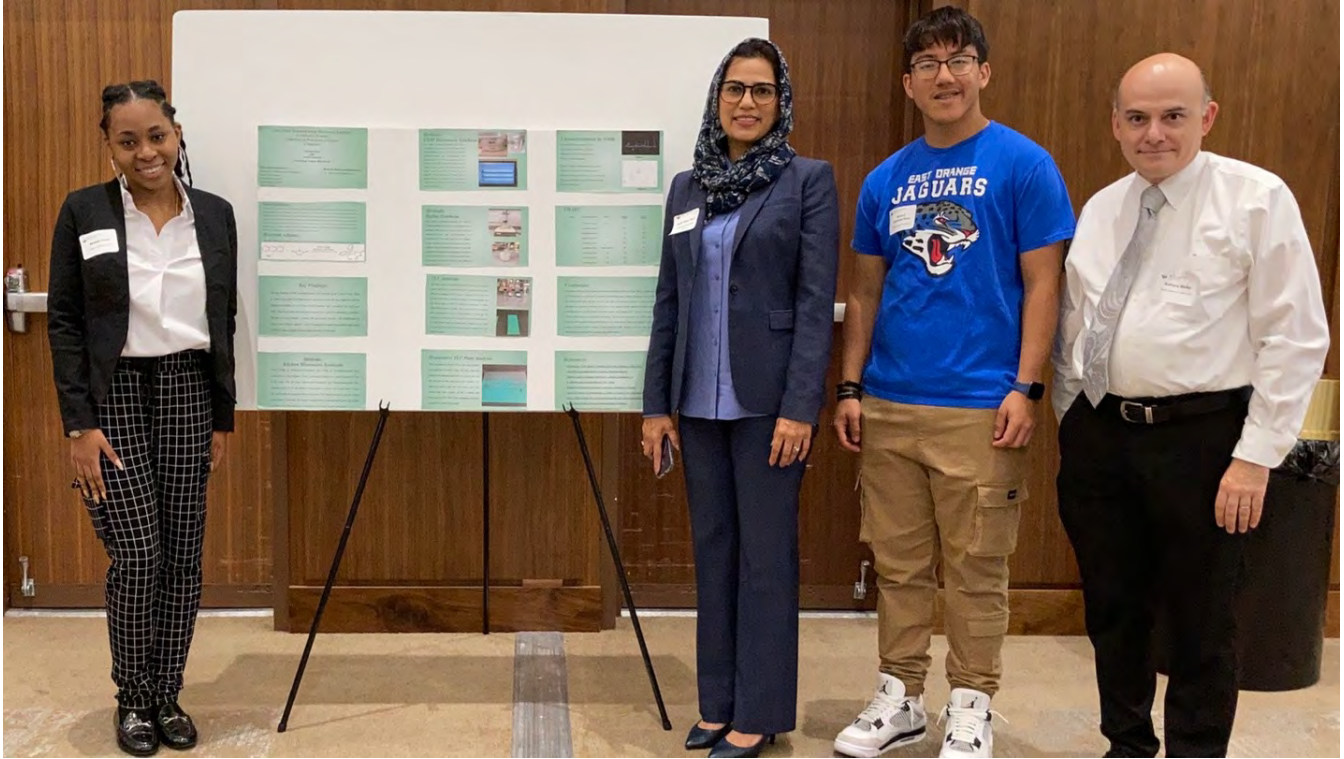


The culminating event for our NJACS Project SEED 2023 program was a Poster Symposium held at Seton Hall University in South Orange on September 30th. This year fifty-eight students, from as far south as Rowan University in Glassboro and as far north as Stevens Institute in Hoboken, presented their research results. Other research sites where mentors worked with students of NJACS sponsorship were three campuses of Rutgers University (New Brunswick, Piscataway and Newark) and Seton Hall University. The interviewers included NJACS Executive Board members, parents, mentors, and undergraduate and graduate university students and professors. Lunch was provided and there were brief remarks by the Project SEED Committee members: Mirlinda Biba, Miriam Gulotta, Bobbi Gorman, and Emily Tenenbaum. All students received certificates for their participation.

These pictures were all taken by Joe Badillo.



NORTH JERSEY ACS – PROJECT SEED (continued)

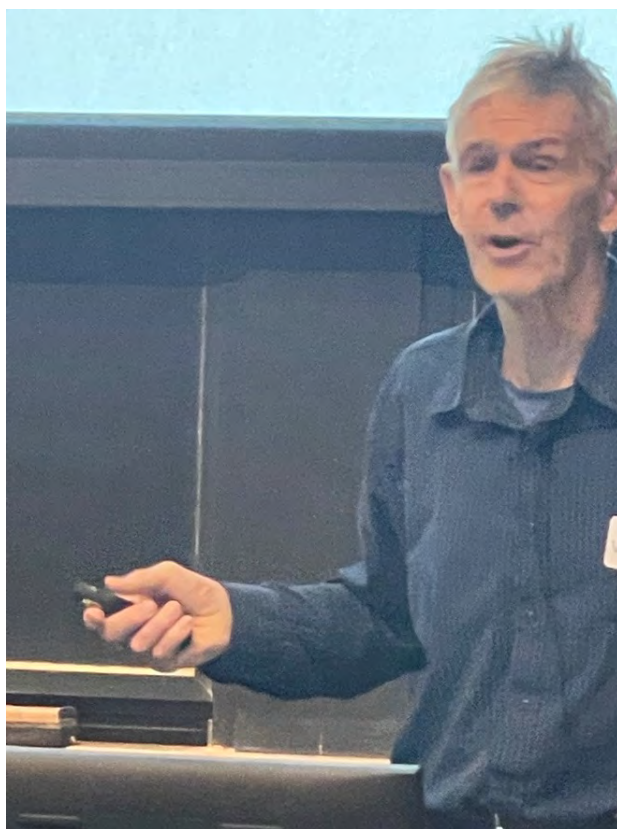


NORTH JERSEY ACS NMR TOPICAL GROUP ANNUAL SYMPOSIUM

Contributed by Tom Osborn Popp

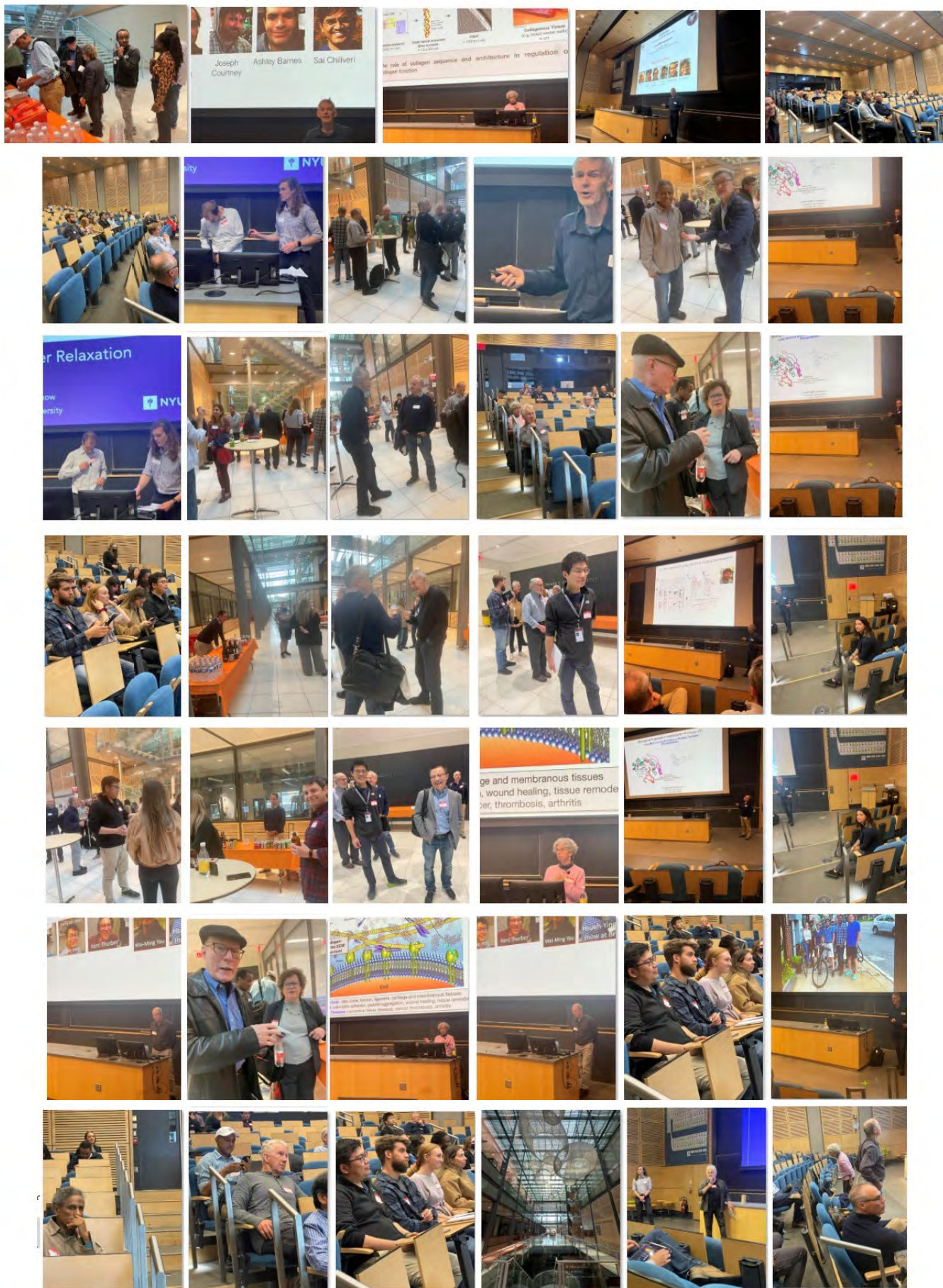
The NMR Topical Group held their Annual Symposium on October 19th at Princeton University. We had an excellent turnout of ~80 attendees from academia, industry and government. It was a great afternoon of amazing NMR talks presented by Pat Loria, Rob Tycko, Alexej Jerschow, Jean Baum, and Ad Bax! I would like to personally thank all of those who attended and all of our speakers for contributing to a successful event. I would also like to acknowledge the generosity and support of the Topical Group's sponsors and benefactors for 2023: Merck, Bristol-Myers Squibb, JEOL, Bruker, New Era, Nexomics Biosciences, Millipore Sigma, Luciano Mueller, the Suraj Manrao Science Fund, AIT Qualytics, CortecNet, and the NJACS section. We appreciate your continued support of the Topical Group's mission to bring great NMR science to the NJ area!

"It has been my great pleasure to serve as the Chair of the NMR Topical Group for 2023, and I look forward to the great program that the incoming chair Christine will be preparing for 2024! We are currently looking for a Co-Chair to serve for 2024, so if you or anyone you know is an early-career NMR professional across industry, academia, or elsewhere, and would be interested in the position, please reach out to us to let us know. Happy Holidays to all, and a Happy New Year!"



NORTH JERSEY ACS NMR TOPICAL GROUP ANNUAL SYMPOSIUM (continued)

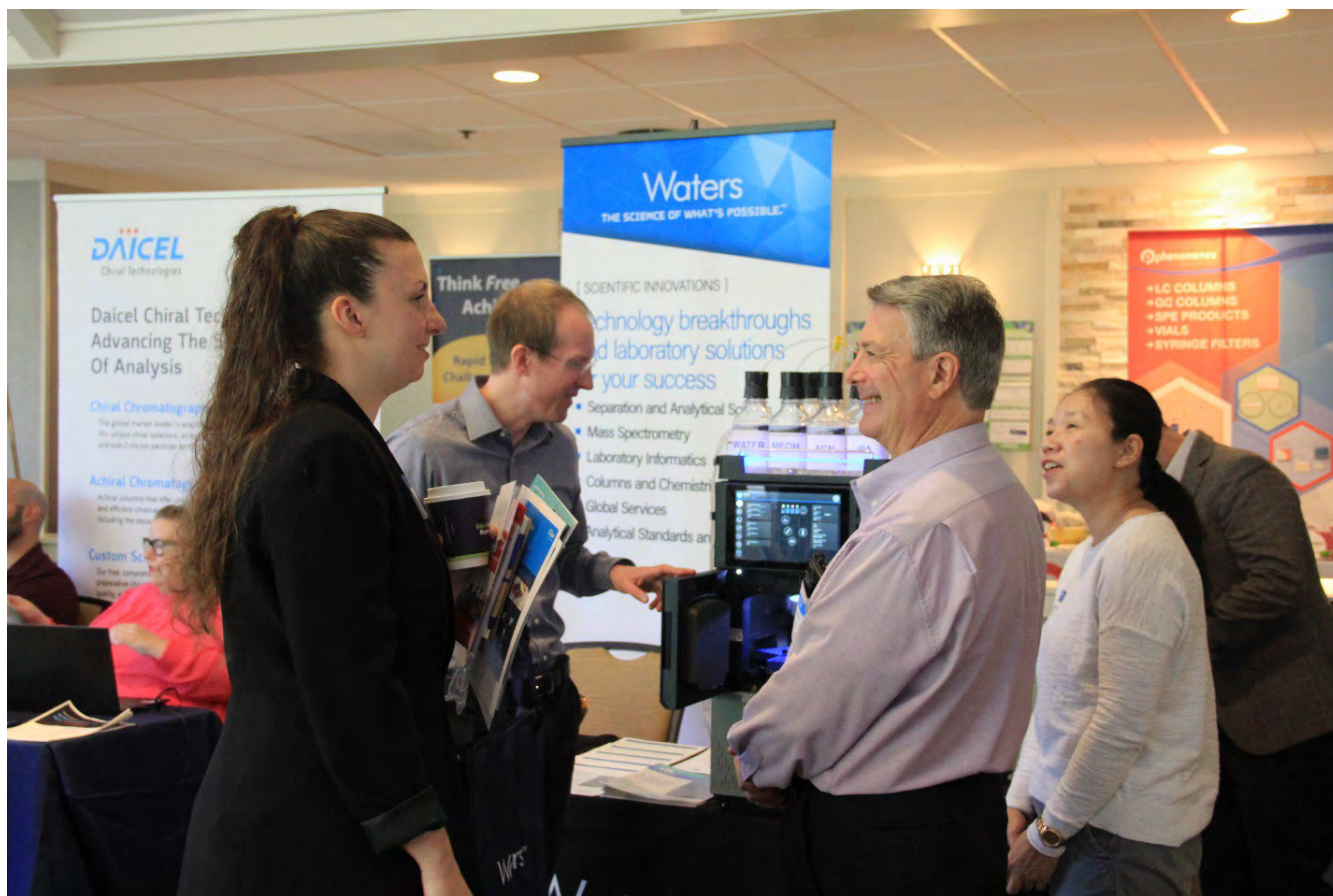
Contributed by Tom Osborn Popp



NORTH JERSEY CHROMATOGRAPHY GROUP

As one of NJ-ACS topical groups, North Jersey Chromatography Group (NJCG) held its annual symposium on Oct 12th, 2023 focused on the theme “The Role of Chromatography in Upholding Pharmaceutical Quality”. The event featured expert speakers covering topics like nitrosamine risk assessment, extractables and leachables, as well as Accelerated Stability Assessment Program (ASAP). Approximately 70 professionals from the pharmaceutical and analytical fields attended the symposium. The symposium provided an excellent platform for scientific discussion, networking and knowledge exchange. Overall, NJCG’s annual symposium was a resounding success, fostering a deeper understanding of the indispensable role chromatography plays in ensuring pharmaceutical product quality.



NORTH JERSEY ACS CHROMATOGRAPHY TOPICAL GROUP (continued)

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

CALL FOR NOMINATIONS

NEW YORK ACS OFFICER ELECTIONS

The success of the New York Section’s programs relies on the exemplary service of its dedicated volunteers and collegial leadership. The NYACS seeks nominations for its 2025 officers to lead the Section in fulfilling its mission.

Candidates for following elected offices, with terms beginning on January 1, 2025, are being sought:

- Chair-Elect
- Secretary
- Councilor
- Alternate Councilor
- Director at Large

The duties and responsibilities of each position are detailed in the New York ACS [Job Manual](#). Please send nominations to Chair-Elect [Ping Furlan](#).

GRANT OPPORTUNITIES

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](#)

Doctoral Bench Sciences
Virtual Fall Application Bootcamp

Tuesday, December 5, 2023
 10:00 AM to 12:00 PM
 Presented Via Zoom

Department directors from the doctoral programs in Biochemistry, Biology, Chemistry, and Physics will discuss:

- Application Procedure
- Program Curriculum
- Degree Requirements

[Register Here](#)

*Register to ensure that you receive the link for the Zoom event.

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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 17](#)

Kenneth G. Hancock Memorial Award

[Due November 17](#)

Heh-Won Chang, PhD Fellowship in Green Chemistry

[Due November 17](#)

For Graduate Students / Postdocs

NRC Research Associateship Program

[Due November 1](#)

Joseph Breen Memorial Fellowship

[Due November 17](#)

Kenneth G. Hancock Memorial Award

[Due November 17](#)

Nina McClelland Memorial Awards

[Due November 17](#)

WCC-Merck Research Award

[Due December 1](#)

For Professionals

ACS-Pittcon Travel Grant

[Due November 15](#)

The Dreyfus Prize in the Chemical Sciences

[Due December 1](#)



The poster for the 2024 WCC Merck Research Award features the ACS logo (Chemistry for Life) and the Women Chemists logo. It includes a photo of two scientists in a lab. The text reads: "2024 WCC MERCK RESEARCH AWARD", "Application Deadline: Friday, December 1, 2023", and "The WCC Merck Research Award recognizes eight individuals* who will present their research at an awards symposium held during the Fall ACS meeting." A QR code is provided with the text "Scan to Apply". At the bottom, the Merck logo is shown with the tagline "INVENTING FOR LIFE" and the text "Merck is acknowledged for its financial support." A small note at the bottom states: "For more information regarding the award, please visit the WCC Merck Research Award webpage or send an email to WCC@acs.org."



The ACS-Pittcon Travel Grant benefits list is presented in a vertical stack of blue boxes with white checkmarks. The benefits are: Roundtrip airfare, 5 night hotel accommodations, Complimentary Pittcon registration, \$400 travel stipend, and Travel medical insurance. The deadline is listed as 15 November 2023. The Pittcon 75 logo and ACS logo are also visible.

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!

FROM OUR PARTNERS**Chemistry Teachers and Physics Clubs
of New York**

The Kakos School of Science at Manhattan College and the Chemistry Teachers and Physics Clubs of NY are proud to present a lecture entitled, as follows: Alexander Borodin's Kismet: Chemist and Composer

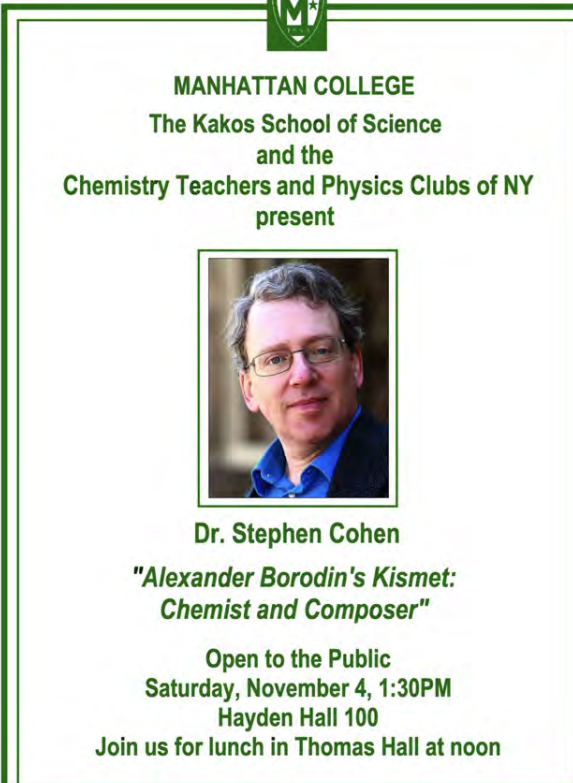
Speaker: Stephen Cohen, Ph.D.
Royal Society of Chemistry
Author "O Mg! How Chemistry Came to Be"

Date: **Saturday, November 4, 2023**


Place: Hayden Hall 100
Manhattan College
Riverdale, NY 10471

Time: 12:00 PM Lunch in Thomas Hall
1:30 PM Speaker

[Download Flyer](#)



MANHATTAN COLLEGE
The Kakos School of Science
and the
Chemistry Teachers and Physics Clubs of NY
present



Dr. Stephen Cohen
*"Alexander Borodin's Kismet:
Chemist and Composer"*

Open to the Public
Saturday, November 4, 1:30PM
Hayden Hall 100
Join us for lunch in Thomas Hall at noon



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Internship**
with Adam Myers

Thursday, Nov. 2 • 12 pm ET



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FREE WEBINAR REBROADCAST

Thursday, November 2nd, 2023 | 2pm - 3pm ET

**10 Tips for Creating Abstracts
with Substance and Style**

Co-produced with ACS on Campus

JOB BOARD

Starting your career or looking for the next challenge? Review these and other postings at the New York ACS [Job Board](#). Email your job postings to jobs@NewYorkACS.org for inclusion.

Senior Vice Provost for Research, Hofstra University

[Apply here](#)

Chair and Professor – New York University

[Apply here](#)

Associate or Full Professor, Synthetic Chemistry – Stony Brook University

[Apply here](#)

Director, Engineering Student Success Program – The Cooper Union

[Apply here](#)

Assistant Professor, Organic Chemistry / Chemical Biology – Fairfield University

[Apply here](#)

Pre-Health Programs Advisor - SUNY Old Westbury

[Apply here](#)

Program Officer – ACS Office of Research Grants

[Apply here](#)

Radio-Pharmaceutical Chemist – Stony Brook University

[Apply here](#)

Senior Principal Scientist – Danone

[Apply here](#)

Method Verification Chemist – Astrix

[Apply here](#)

Overnight Analytical Instrumentation Chemist – AAK

[Apply here](#)

Principal Scientist II, CCT Insourcing – Parexel

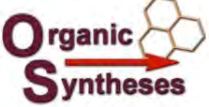



[Apply here](#)

Chemistry, Senior Scientist – Merck

[Apply here](#)

Staff Chemist – Stryker

[Apply here](#)

	2023 Organic Syntheses Lectureship		
	<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>	