

# THE Indicator

DECEMBER 2015

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## **Luciano Mueller** **2016 North Jersey Chair**



*See Chair's Message on page 5.*

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## **THIS MONTH IN CHEMICAL HISTORY**

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

In last month's column I drew on a new book entitled "The Matter Factory" by Peter T. J. Morris (Reaktion Books, London, 2015- in association with the Science Museum, London). The author is Keeper of Research Projects at the Science Museum, London, and is an authority on the history of science. His new book is the first book length examination of the history of the chemical laboratory. The earliest laboratories documented included a 16th. century alchemical laboratory, probably less cluttered in actuality than the propagandist pictures of the period would have you believe; and Lavoisier's laboratory of the early 19th century, very well appointed, with the best available equipment of the period.

In the early 19th. century, following a trend established over a century earlier, public and popular courses of chemistry became more frequent, and were often associated with organizations such as the Royal Institution in London. Such courses were part of a movement to offer instruction – and entertainment- in science. They needed attached laboratories that served the dual purposes of preparing chemical demonstrations for the courses to be given in an adjacent lecture hall, and functioning as research laboratories for the staff of the institution. Last June I was in London and revisited the Royal Institution in Albermarle Street, just off Piccadilly. I saw there the reconstruction of Michael Faraday's laboratory that he used when he was Professor at the Royal Institution. I recommend the visit to you when you are next in London. The building is full of exhibits and displays of great relevance to the history of science.

One of the most important laboratories established in the first half of the 19th. century was that set up by Justus von Liebig when he was appointed as Professor of Chemistry at Giessen in 1824. Liebig had much of his training in chemical research in Paris where he worked with Gay-Lussac. As was the norm in those days Gay-Lussac had only a few students under his tutelage at any one time. Liebig decided to establish a new model in his Giessen laboratories. These laboratories were among the first to include fume hoods as standard equipment. The draft was provided by a fire burning under a chimney at the rear of the hood, or in a furnace communicating with the hood via ducts, which created an updraft to draw fumes from the hood. Not as efficient as an electric fan, of course, but a great improvement over generating the fumes in the middle of an open laboratory.

A second major innovation was the development of equipment for accurate "semi-micro" organic analysis. With Liebig's interest in natural products he developed more precise determinations of carbon and hydrogen by combustion, devising the alkali absorbing bulb for carbon dioxide that still features on the ACS seal. He used an improved Dumas method, in a second combustion, for determining nitrogen.

But undoubtedly the most influential of Liebig's innovations at Giessen came after he was allowed to construct an additional laboratory in 1839. He designed this expressly for the training of post-graduate students and with it he invented the concept of a research group; not the usual handful of students, but a relatively large group, working on a variety of problems, all supervised by Liebig himself. Innovations included glass-fronted fume hoods; bottle racks over and storage cupboards under benches. Sinks in the benches and a drying kiln were further innovations. And Liebig's office was adjacent to the laboratory and communicated via a glass window hatch, so he could easily talk to any student.

Liebig's design for both the laboratory and the research group was admired and copied. Within a few years both the University of Zurich and the University of Rostock built new research laboratories following Liebig's model, and modern chemical laboratories still exhibit, in modified form, many of Liebig's innovations.

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Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.

## December Calendar

### NEW YORK SECTION

**Thursday, December 3, 2015**  
Brooklyn Subsection  
See page 7.

**Thursday, December 3, 2015**  
Long Island Subsection  
See page 7.

**Tuesday, December 8, 2015**  
Biochemical Topical Group  
See page 8.

**Wednesday, December 9, 2015**  
Westchester Chemical Society  
See pages 8-9.

**Friday, December 11, 2015**  
High School Teachers Topical Group  
See page 9.

*also*

**Tuesdays, February 2 and April 19, 2016**  
New York Nanoscience Discussion Group  
See page 10.

**Tentatively Thursday, February 4, 2016**  
Westchester Chemical Society  
See pages 10-11.

**Saturday, February 6, 2016**  
21st Annual HS Poster Contest  
See pages 11-12.

**Thursday-Sunday, June 9-12, 2016**  
MARM 2016  
See pages 15-17.

### NORTH JERSEY SECTION

**Thursday, December 3, 2015**  
Organic Topical Group  
See page 18.

**Friday, December 4, 2015**  
2015 Baekeland Award Symposium  
See November Indicator page 6.

**Monday, December 14, 2015**  
Careers in Transition  
See page 19.

*also*

**Date to be determined**  
NMR Topical Group - 4th Annual NMR  
Symposium  
See page 20.

**Deadline for items to  
be included in the  
January 2016 issue  
of *The Indicator* is  
November 20, 2015**



***The Indicator* is posted to  
the web on the 15th of the  
previous month at  
[www.TheIndicator.org](http://www.TheIndicator.org)**

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## 2016 North Jersey Chair's Message

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### *Luciano Mueller*

It is a great honor for me to serve as the Chair of the North Jersey Section of the ACS (NJACS) in 2016. I thank my colleagues on the executive committee, the topical group chairs, and the many volunteers who have contributed to numerous section activities and events throughout this year. I also want to take this opportunity to thank the members of the Monmouth Section for their active participation in events upon merging with the North Jersey Section. My distinguished predecessors have set a high bar of excellence in their service to the NJACS. Their dedication and service have inspired me to work diligently serving our members as well as strengthening our local section in the coming year.

As your next chair person, I will continue to promote the numerous activities and events that the NJACS supports. Strengthening member participation in section activities will be one of my top priorities. To maintain the vibrant activity of our local section, I warmly welcome members to donate a portion of their precious time and valuable expertise. The North Jersey Section is the home of many dynamic, diverse topical groups and committees that are comprised of talented scientists in the interdisciplinary fields of chemistry, including the Mass Spectrometry Discussion Group, Drug Metabolism Discussion Group, Chromatography Group, NMR Discussion Group, Organic Topical Group, Teacher Affiliates, MetroWomen Chemists Committee, Younger Chemists Committee, and Careers in Transition Committee. These groups offer exciting seminars, symposia, and events throughout the year that provide unique opportunities for continuous education and networking. Because these groups do a great job promoting our organization with their monthly meetings and periodic symposia, I would like to explore ways to strengthen and support topical and discussion groups in return. Please check our website at [www.njacs.org](http://www.njacs.org) for activities throughout the year.

Attracting new members to join the ACS and retaining existing members will be key to our section's future success. I plan to seek expert advice and support from parent organizations on how to increase membership. An effective way of increasing membership is to promote job creation for chemistry professionals within the section territory. In recent years, there has been a steady decline of chemistry jobs in our area. I would like to explore whether the North Jersey Section perhaps could utilize its limited resources and networking capability to be of assistance in attracting to the section area new businesses that provide chemistry related jobs.

In closing, I am looking forward to an eventful year for our section and I am counting on your active participation in NJACS sponsored events, as well as your generous support and charitable donations. Lastly, I am looking forward to hearing from you to learn about your concerns and ideas for improving our section.

Luciano Mueller

2016 Chair, North Jersey Section ACS

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## NEW YORK SECTION – 2016 SECTION-WIDE CONFERENCE

Please register at: <http://www.newyorkacs.org/meetings/sectionwide/sectionwide2016.php>

**Date:** Saturday, January 16, 2016

**Times:** 9:30AM – 1:00PM

**Place:** St. John's University, 8000 Utopia Parkway, Queens, NY 11439  
Marillac Terrace

**Cost:** FREE TO ALL

### PROGRAM

9:30 AM **Arrival and Refreshments**

10:00 AM **Greetings from the New York ACS 2016 Chair**

Dr. Alison G. Hyslop

10:10 AM **Award Presentations**

Service Plaque and Pin to the 2015 New York Section Chair

Dr. Paris Svoronos

New York Section Outstanding Service Award for 2015

Mr. George Rodriguez

Nichols Foundation H.S. Chemistry Teacher Award for 2015

Ms. Yolette Wright  
Roosevelt High School  
Roosevelt, NY

10:30 AM **Presentation of Candidates for the 2016 Elections**

Dr. Brian R Gibney

2016 Chair-elect  
ACS New York Section

10:45 AM **Keynote Speaker**

Dr. John P. Sharkey

### Title: The ACS New York Section at 125 Years: A Celebration

John Sharkey is Professor Emeritus of Chemistry at Pace University in New York City. He received his Ph.D. (1970) from New York University under Seymour Lewin. At Pace he served as department chair, associate dean, and associate provost. He was elected a Fellow of Dyson College in 1985 and received the Keenan Award for Teaching Excellence in 1988. He became Emeritus in 2011 after forty-two years at Pace. He has been a member of the ACS since 1969 and has served on the Committee on Nominations and Elections, the Society Committee on Education, the Board of Trustees for Member Insurance Plans, Local Section Activities, the National Historic Chemical Landmarks Committee, and Councilor from the New York Section. He currently serves on the Board Standing Committee on Audits and as one of two ACS representatives on the Heritage Council of the Chemical Heritage Foundation. At CHF he is also the "chief bibliophile" of the Bolton Society. Sharkey has been a long-time member of HIST, and is currently serving as the Division's Archivist. He also serves as Historian and Archivist for the ACS New York Section, and was Chair of the Section in 1987. Sharkey's research interests are in the history of chemistry. He was elected a Fellow of the American Chemical Society in 2011

11:45 AM **Coffee Break** — There will be poster presentations by the New York Section Project SEED Students.

12:00 PM **ACS, New York Section Committee Planning Sessions for 2016**

**Educational Activities:** (Chemagination, Chemists Celebrate Earth Day, Continuing Education, High School Olympiad, National Chemistry Week, Nichols Foundation Teacher Award, Project SEED, Student Membership)

*Chair:* Dr. Alison G. Hyslop

**Member Affairs:** (ACS Fellows, Awards, Employment and Professional Relations, History of the New York Section, *The Indicator*, Membership, Outstanding Service Award)

*Chair:* Dr. Ralph Stephani

**Program Review:** (Subsection and Topical Discussion Group Chairs)

*Chair:* Dr. Anne T. O'Brien

**Public Affairs:** (Academe and Industrial Relations, Environmental Chemistry, Fund Raising, Government Affairs, Information Technology, Public Relations, Speakers Bureau)

*Chair:* Dr. Robert P. Nolan

**MARM 2016 Planning:** (Co-Chairs: Dr. Pamela K. Kerrigan and Dr. Daniel Amarante). Volunteers Welcome.

12:45 PM **Reports from the Chairs of the Committee Planning Sessions**

1:00 PM **Conclusion of the Meeting.** Join with colleagues for lunch at a local restaurant.

To inquire about the Section-wide Conference, please call the New York Section Office at (516) 883-7510 or e-mail Marilyn Jespersen, Office Administrator, at: [njesper1@optonline.net](mailto:njesper1@optonline.net)

## New York Meetings

[www.newyorkacs.org](http://www.newyorkacs.org)

### NEW YORK SECTION BOARD MEETING DATES FOR 2016

The dates for the Board Meetings of the ACS New York Section for 2016 have been selected and approved. The meetings are open to all – everybody is welcome. All non-board members who would like to attend any of the meetings ought to inform the New York Section office by emailing Mrs. Marilyn Jespersen at [njesper1@optonline.net](mailto:njesper1@optonline.net) or by calling the Section office at (516) 883-7510.

All 2016 Board Meetings will be held on the following dates at St. John's University, 8000 Utopia Parkway, Jamaica, NY. Dr. Alison Hyslop will chair all meetings. Refreshments will be available starting at 6:00 PM while the actual meeting will start at exactly 6:30 PM. Please check Marilyn Jespersen for the exact building and room number. You may also be added in the mailing list if you so desire.

The board meetings dates for 2016 will be Saturday, January 16, 2016 – January Sectionwide Conference at St. John's Univ.

Friday, February 19, 2016

March 4, 2016 – William H. Nichols Symposium and Medal Award Diner at the Crowne Plaza Hotel, White Plains, NY

Friday, April 15, 2016

Friday, June 3, 2016

Friday, September 16, 2016

Friday, November 18, 2016

More information will be posted in future monthly issues of *The Indicator* and on the New York website at <http://www.NewYorkACS.org>.

### BROOKLYN SUBSECTION

#### Brooklyn Frontiers in Science Lecture

*Speaker:* Dr. Marco Leona  
Metropolitan Museum of Art

“The art and science of color: four thousand years of experimentation and discovery through the collections of the Metropolitan Museum of Art.”

**Date:** Thursday, December 3, 2015

**Time:** Refreshments - 5:30 PM

**Place:** Dibner Foyer

**Time:** Lecture - 6:00 - 7:00 PM

**Place:** Pfizer Auditorium  
5 Metrotech Center  
NYU Polytechnic School of Engineering  
Brooklyn, NY

Jointly sponsored by the Brooklyn Subsection of the American Chemical Society and the NYU Polytechnic School of Engineering



### LONG ISLAND SUBSECTION

#### Holiday Seminar

*Speaker:* To be announced

Come join us to celebrate the end of a great year and the beginning of another!

For up-to-date information, please visit: [http://www.newyorkacs.org/sub\\_island.php](http://www.newyorkacs.org/sub_island.php)

**Date:** Thursday, December 3, 2015

**Time:** Dinner & Seminar – 6:00 p.m.

**Place:** Nassau Community College  
College Center Building  
Room 252-253 (CCB 252-253)

Directions: <https://www.ncc.edu/campuservices/parkingandsafety/mapanddirections.shtml>

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**BIOCHEMICAL TOPICAL GROUP — JOINT MEETING WITH THE NY ACADEMY OF SCIENCES BIOCHEMICAL PHARMACOLOGY DISCUSSION GROUP**

**GLP-1 Treatment for Metabolic Disease and Beyond**

*Organizers:* Margaret Jackson, PhD  
Pfizer

J. Brent Kuzmiski, PhD  
Pfizer

Sonya Dougal, PhD  
The New York Academy of Sciences

*Speakers:* David D'Alessio, MD  
University of Cincinnati

Richard DiMarchi, PhD  
Indiana University

Matthew Hayes, PhD  
Perelman School of Medicine  
University of Pennsylvania

George Holz, PhD  
State University of New York

Beat Jucker, PhD  
GlaxoSmithKline

Lotte Knudsen, PhD  
Novo Nordisk

Patrick Sexton, PhD  
Monash University

Konrad Talbot, PhD  
Cedars-Sinai Medical Center

This symposium highlights emerging science for GLP-1 in the preclinical and clinical arena focusing on human genetics, novel cellular and molecular mechanisms for insulin secretion and weight loss, new indications and opportunities for drug development.

**Call for Poster Abstracts:**

Abstract submissions are invited for a poster session. For complete submission instructions, please send an email to [GLP-1@nyas.org](mailto:GLP-1@nyas.org) with the words "Abstract Information" in the subject line. The deadline for abstract submission is **November 6, 2015**.

**Date:** Tuesday, December 8, 2015

**Time:** 8:30 AM – 5:00 PM  
(reception to follow)

**Place:** The New York Academy of Sciences  
7 World Trade Center  
250 Greenwich Street – 40th Floor  
New York, NY 10007

**Cost:** This event is has reduced-rate registration for ACS and NYAS members, at \$60 or \$25 (for students and post-docs). Please select the appropriate non-member Registration Category and use the Priority Code ACS. Non-members may attend for a fee of \$160 (corporate), \$105 (non-profit or academic) or \$70 (students and post-docs).

A simulcast webinar is also offered at reduced registration fees.

For more information and to register for the event, go to: [www.nyas.org/GLP-1](http://www.nyas.org/GLP-1).

To become a Member of the Academy, visit [www.nyas.org/benefits](http://www.nyas.org/benefits).



**WESTCHESTER CHEMICAL SOCIETY**

**Special Seminar – “Making Green by Being Green – Life Cycle Assessment”**

*Speaker:* Joseph C. Bush, PhD  
Executive Director  
The Institute for Energy and Sustainability  
Worcester, MA

The concept of *Sustainability* has its roots in many ancient cultures but over the last century was largely swept under the rug by consumer-led free market forces. However, intelligent investors never let go of the idea – they are always on the lookout for sustainable growth. As the energy and resource demands from developing nations continue to grow, and commodity prices fluctuate, the concept of sustainability is increasingly being integrated in all levels of corporate function. In this talk I will present examples of a process called *Life Cycle Assessment*, which seeks to quantify sustainability and is being incorporated in the decision making process of businesses of all sizes.

In 2005 Dr. Bush obtained his B.S in Chemistry from the Worcester Polytechnic Institute where he studied the- synthesis, purification and structural analysis of organic polydentate, metal chelating ligand molecules to bind divalent metal ions, creating low-density crystal structures. He went on

to obtain his Ph.D. in Physical Chemistry in 2010 from Brown University where he studied Rydberg Fingerprint Spectroscopy using femtosecond pump-probe photoelectron spectroscopy on Rydberg states of biomolecular model systems. He continued at Brown as a postdoctoral research associate in the Physics Department where he designed and built a prototype system interfacing custom chip-based nano-pore materials with third party radio frequency mass filters for label-free, bio-polymer sequencing. For this work, he was the project lead for CAD design, nano-structure fabrication and optimization, computer-based simulation, and experimental implementation. During this time, he also was a consultant to Brown's Technology Venture Office, which markets intellectual property for external licensing. In 2013, Dr. Bush became the associate director for Bronx Community College's Center for Sustainable Energy. The Center builds bridges between academic departments, industry partners, and government agencies. This July, he began a new position, Executive Director of The Institute of Energy and Sustainability (IES) in Worcester, MA. The IES was jointly founded by Clark University and Worcester Polytechnic Institute (both of Worcester), and by U.S. Congressman James McGovern. Its mission is to support and expand the clean technology and sustainable energy economy in central Massachusetts.

**Date: Wednesday, December 9, 2015**

Times: Refreshments - 5:30 PM

Lecture - 6:00 PM

Place: Westchester Community College  
Gateway Building, Room 110  
75 Grasslands Road  
Valhalla, NY

Cost: Free and Open to the Public

For more information, contact:

Paul Dillon (914) 393-6940

E-Mail [PaulWDillon2@hotmail.com](mailto:PaulWDillon2@hotmail.com)

Or:

Anthony Durante (718) 289-5542 or 5569

E-Mail: [anthony.durante@bcc.cuny.edu](mailto:anthony.durante@bcc.cuny.edu)

**Note: Inclement Weather: Cancellation Due to Inclement Weather** — Should

Westchester Community College's Valhalla campus close due to inclement weather (or has delayed opening or closes early) the meeting will be cancelled. Decisions about delay/closure are made around 6:00 AM for day courses and 3:00 PM for evening courses.

The college will communicate delays, closings or early dismissals on their website ([www.sunywcc.edu](http://www.sunywcc.edu)), Facebook, Twitter, and the (914) 606-6900 phone line.



## HIGH SCHOOL TEACHERS TOPICAL GROUP

### X-Ray Crystallography: From the Discoveries of the Past to Designed Structures

*Speaker:* Peter W. R. Corfield

Fordham University at Rose Hill

[<pcorfield@fordham.edu>](mailto:pcorfield@fordham.edu).

Last year was the International Year of Crystallography – a celebration of a powerful discipline that provides key analysis in many areas of science, and has been central in work leading to twenty or more Nobel Prizes. The first part of this talk will review how X-Ray Crystallography progressed over its first century, and what some of its triumphs were. Then we will look at some of the amazing ways in which people have used X-ray structural analysis not only to discover interesting structures, but to use this information in designing new functional materials, such as metal-organic frameworks (MOF's), with potentially exciting applications.

**Date: Friday, December 11, 2015**

Time: Social and Dinner — 5:45 PM

Place: Social and Dinner — TBD

Time: Meeting — 7:15 PM

Place: Meeting — New York University  
Silver Center Room 207

32 Waverly Place (South-east  
corner Washington Sq. East)

New York, NY 10003

**Security at NYU requires that you show a picture ID to enter the building.**

**In case of unexpected severe weather, call John Roeder, (212) 497-6500, between 9:00 AM and 2:00 PM to verify that meeting is still on; (516) 385-4698 for other info.**

Note: On street parking is free after 6:00 PM.

## NOMINATING COMMITTEE MEETS IN DECEMBER

The Nominating Committee of the New York Section will meet in December to select candidates for the 2016 elections.

Positions available are:

Chair-elect for 2017

Secretary for 2017 - 2018

Directors-at-Large for 2017

Councilors and Alternate Councilors for 2017 – 2019

If a member of the New York Section wishes to run for office or to suggest a member for consideration by the Nominating Committee, please write to the American Chemical Society, New York Section, Inc., St. John's University, Department of Chemistry, 8000 Utopia Parkway, Queens, NY 11439 or send an e-mail to the New York Section office at [njesper1@optonline.net](mailto:njesper1@optonline.net) by **November 30**. Thank you.



## EMPLOYMENT AND PROFESSIONAL RELATIONS COMMITTEE OF THE NEW YORK SECTION

### To Human Resources Departments in Industry and Academia

The Employment and Professional Relations Committee maintains a roster of candidates who are ACS members seeking a position in the New York metropolitan area. If you have job openings and would like qualified candidates to contact you, please send a brief job description and educational/experience background required to [hessytaft@hotmail.com](mailto:hessytaft@hotmail.com).

Candidates from our roster who meet the requirements you describe will be asked to contact you.



## NEW YORK NANOSCIENCE DISCUSSION GROUP

### 2015-2016 Sessions

*Hosted by the New York University  
Department of Chemistry*

*Speakers to be announced.*

The NYNDG is an ACS Topical Group that

meets in the New York University Department of Chemistry. Sessions feature three 30-minute presentations on nanoscience, one each with strong orientation in biology, chemistry, and physics/applied mathematics. Presentations will be focused on discussion of recent work, although speakers will place the work in a context understandable to a broad audience.

### Mark Your Calendars:

**Dates: Tuesday, February 2, 2016**

**Tuesday, April 19, 2016**

Times: Refreshments at 7:00 PM

Science at 7:30 PM

Place: NYU Silver Center  
31 Washington Place  
(between Washington Square East  
and Greene Street)  
Room 1003, 10th floor  
New York, NY



## WESTCHESTER CHEMICAL SOCIETY

### Future Meetings

\*\*\*\*

### Special Seminar – “Isolation and Characterization of Hyaluronan from Tissue Samples”

*Speaker:* Han Yuan, PhD  
Biomatrix Research Center  
New York University  
New York, NY

Hyaluronan (Hyaluronic Acid, HA) is a ubiquitous polysaccharide present in almost all tissues of vertebrates. Its molecular weight (MW) can range from several up to 25000 disaccharide repeating units, corresponding to several kilo-Daltons (kDa) to 10 Million-Daltons (MDa). HA regulates cell activity by interacting with cell surface receptor proteins, which causes signaling of a number of responses in an MW dependent manner. HA in human milk is known to mediate host responses to microbial infection via TLR4- and CD44-dependent signaling. Signaling by HA is generally size specific. Because pure low MW HA (average 35 kDa) can elicit a protective response in intestinal epithelial cells, it has been proposed that human milk HA may have a bioactive low-MW component. However, the current methods for determining the exact content and size distribution of low MW HA in actual biological

tissues/fluids are under-developed, mainly because of low sample amount and isolation difficulty. This talk addresses the issues of limited sample amount and purification difficulty, and the importance of analyzing both high- and low-MW HA simultaneously. Methods for HA isolation and quantification are discussed. A method using size-dependent fractionation of HA by anion exchange on a spin column and quantification of HA in the fractions using a competitive ELISA is developed. HA size analyses for human milk samples are then conducted by this method and the results are discussed. This HA analysis method has also been performed on mammary tissues.

Han Yuan graduated from Wuhan University of Technology and Wuhan University in Hubei, China with BSs in Materials Chemistry and Biological Science, respectively, in June 2009. He came to the Polytechnic School of Engineering of New York University to pursue graduate studies. He obtained his Ph.D. in Materials Chemistry under the guidance of Professor Mary Cowman (winning the Best PhD dissertation Award) in May 2015. He has continued his research as a postdoctoral research fellow in Dr. Cowman's lab. His research focuses on sensitive assay development for analyzing Hyaluronan from various biological tissues/fluids. His longer-range interests lie in developing novel diagnostic assays, devices and biomedical materials.

**Tentative Date: Thursday, February 4, 2016**

Times, Place, Cost and Further Information: See information under November meeting on page 9.

For more information, contact:  
James Canary ([james.canary@nyu.edu](mailto:james.canary@nyu.edu))

Topical Group History:  
<http://www.nyu.edu/projects/nanoscience>



## 21ST ANNUAL HIGH SCHOOL POSTER SESSION

*Sponsored by The New York Section of the American Chemical Society and St. Joseph's College, 245 Clinton Avenue, Brooklyn, NY*

The annual poster session provides an opportunity for talented high school students from the metropolitan area to compete and be recognized for their research accomplishments.

The program includes:

- Judging of posters by scientists working in industry and academia.
- Guest speaker
- Certificates to all participants
- Prizes to the four winning presenters.

Professionals willing to be a judge, please contact Rhomesia Ramkellowan (Event Coordinator) at [hspostersession@sjcnyu.edu](mailto:hspostersession@sjcnyu.edu).

**Date: Saturday, February 6, 2016**

Times: 9:00 AM - 1:00 PM

Place: St. Joseph's College  
Brooklyn NY

*See flyer on page 12.*



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## 21ST ANNUAL HIGH SCHOOL POSTER SESSION

The New York Section of the American Chemical Society  
and St. Joseph's College present  
**The 21<sup>st</sup> Annual High School Research Poster Session**  
at St. Joseph's College, Brooklyn NY  
on Saturday, February 6<sup>th</sup>, 2016  
from 9 a.m. to 1 p.m.

The annual poster session provides an opportunity for talented high school students from the metropolitan area to compete and be recognized for their research accomplishments.

The program includes:

- Judging of posters by scientists working in industry and academia.
- Guest speaker
- Certificates to all participants
- Prizes to the four winning presenters.

For more information or to register visit: [www.sicny.edu/postersession](http://www.sicny.edu/postersession). Professionals willing to be a judge, contact Rhomesia Ramkellowan (Event Coordinator) at [hspostersession@sicny.edu](mailto:hspostersession@sicny.edu).

### Featured Keynote Speaker

*"How to Make a Difference with Your Research"*

Dr. Tina Zottoli is an Assistant Professor of Psychology at Montclair State University and a NYS licensed clinical psychologist, who provides psychological assessment, expert testimony and consultation in civil and criminal court cases. Dr. Zottoli's expertise is in adolescent neurocognitive development and decision-making, especially as applied to legal contexts. She maintains an active research program centered on questions relevant to criminal and juvenile justice policy and her main focus is currently on the decision making of youth who are offered plea deals in criminal (adult) court.

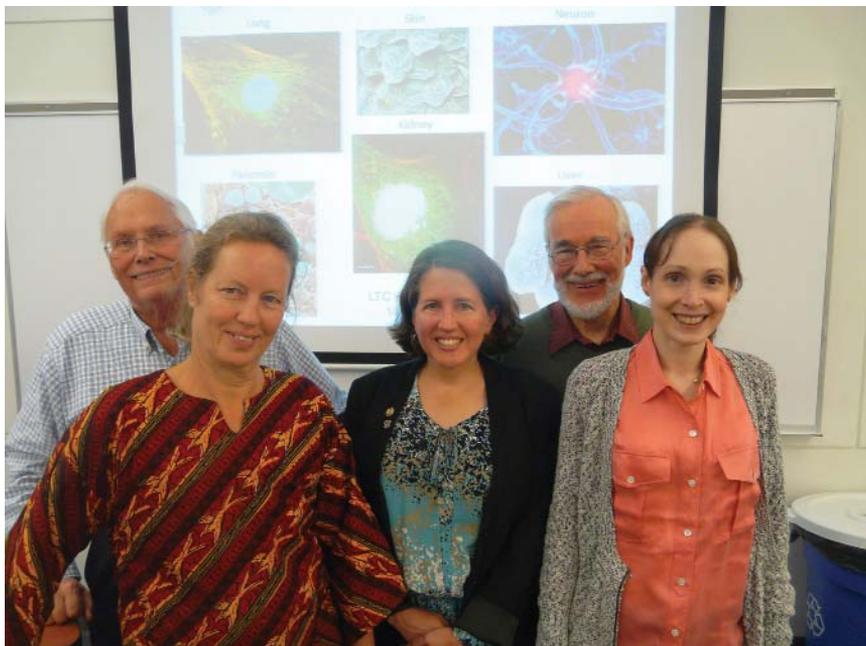


*Sponsored by The New York Section of the American Chemical Society  
and St. Joseph's College, 245 Clinton Avenue, Brooklyn, NY 11205-3688.*

## WESTCHESTER CHEMICAL SOCIETY

On October 14, 2015 Dr. Hailey Clancy, Lieutenant Colonel, US Army who is an Assistant Professor in The Department of Chemistry and Life Science at The United States Military Academy, West Point, NY spoke on “How Your Grandmother’s Diet May Have Changed Your Life”. Specifically, Dr. Clancy described epigenetics, defined as “‘On’, ‘over’, ‘above’ or ‘beyond’ the genetic information encoded in the DNA”. Epigenetic modifications are essential to the control of DNA expression and are particularly important in embryonic development. Dr. Clancy described various mechanisms of epigenetic change, most particularly methylation of cytosine residues especially at CpG sites (Cytosine-phosphate-Guanine dinucleotide moieties) in promoter regions of DNA. The methylation of cytosine to 5-methyl-cytosine and demethylation via an intermediate oxidation to 5-hydroxymethyl-cytosine were discussed. The impacts of these modifications on DNA repair, especially after de-amination of the cytosine residue, were explored. These turn off DNA.

Interactions with, and modification of, histones, and packing of DNA into chromatin, and their effects were also described. There were lively question and answer interactions with the audience during and after Dr. Clancy’s most informative and interesting talk, given at the Westchester Community College in Valhalla, N.Y. This continued for several attendees and the speaker, as they enjoyed a dinner together at a nearby restaurant. It should be noted that Dr. Clancy has had a most interesting military, as well as scientific, career. She earned her MS (in Environmental Toxicology from Cornell University where she developed a biosensor to detect the bacterium that causes Anthrax) and her PhD (in Molecular Toxicology and Carcinogenesis from New York University, where she conducted research on the effects of human exposure to nickel and its role in lung cancer) while serving in the Army. Dr. Clancy’s military assignments have included service overseas (in Germany, Bosnia and Iraq) and her current assignment as a professor at West Point. The photo below is of Dr. Clancy and the WCS board of directors who attended the meeting.



Paul Dillon, Rolande Hodel, Hailey Clancy, Peter Corfield and Jody Reifenberg.

*(Photo courtesy of Paul Dillon)*

## NEW YORK SECTION 50 & 60 YEAR MEMBERS

The New York Section Board would like to congratulate our members that have reached 50 and 60 years of service! All members reaching this milestone were invited to an awards luncheon at Petrossian's Restaurant, New York, NY on Saturday, November 21, 2015. The event was organized by co-chairs Frank Romano and Ralph Stephani.

### 60 Year Members

Mr. William Charles Barringer  
 Dr. Louis S. Campisi  
 Mr. George John Carbone, Jr.  
 Mr. Robert Chodosch  
 Mr. Gerald Fesman  
 Mr. Peter James Franco  
 Mr. Herbert H. Goodman  
 Dr. Frank P. Gortsema  
 Mr. Albert Hirschberg  
 Dr. Francis Thomas Jones  
 Dr. Thomas Joseph Katz  
 Dr. Manchiu D. S. Lay  
 Dr. William J. LeNoble  
 Dr. Edwin Arnold Peets  
 Mr. Howard Roth  
 Mrs. HESSY L. Taft  
 Dr. Robert Coral Tripp  
 Dr. Kurt Falke Wissbrun

### 50 Year Members

Dr. Diana C. Bartelt  
 Dr. Lovji Dadi Cama  
 Mr. L. W. Cline, Jr.  
 Mr. Martin Anthony DeRise  
 50 Year Members (continued)  
 Dr. Laura Bertani Dziedzic  
 Dr. George William Flynn  
 Dr. Anthony A. Galitsis  
 Dr. Constantine E. Gletsos  
 Dr. MakhluF J. Haddadin  
 Dr. Ivan Haller  
 Dr. Linda M. Hoffman  
 Dr. Milton Honig  
 Mr. Pedro Antonio Ibarbia  
 Mr. Richard Burt Jackson  
 Mr. Bernard Dean Johnson  
 Dr. Joseph Solomon Krakow  
 Dr. Dominic Anthony Labianca  
 Mr. Steven Ira Lerman  
 Dr. Fu Hai Lin  
 Dr. Roger David Arnold Lipman  
 Mr. Andrew Maria Lubienski  
 Dr. Herand M. Markarian  
 Mr. Wesley Adams McCullough  
 Dr. Dong H. Park  
 Dr. Maynard E. Pullman  
 Dr. Lynne Richards  
 Mr. Meyer Robert Rosen  
 Mr. Joseph Paul Shaulys  
 Dr. P. Somasundaran  
 50 Year Members (continued)  
 Mr. Murray Steinfink  
 Dr. William George Valance  
 Dr. John Peter Wasacz

## HUDSON-BERGEN CHEMICAL SOCIETY – NCW REPORT



Hudson Bergen Chemical Society celebrated NCW with a meeting with over 80 participants, most of them students. Dr. Yalan Xing from William Paterson Univ. presented the talk "Transition Metal Catalyzed Functionalization of Alkynes and its Applications".

*(Photo courtesy of Mihaela Leonida)*

## NEW YORK SECTION – MIDDLE ATLANTIC REGIONAL MEETING 2016

**Theme: “Chemistry: Past, Present,  
and Future”**

**New York – A Chemistry State of Mind**

*Sponsored by:* New York Section of the  
American Chemical Society

The 44th Middle Atlantic Regional Meeting (MARM 2016) of the American Chemical Society (ACS) will be hosted by the New York Section of the ACS and held at the College of Mount Saint Vincent in Riverdale New York from Thursday, June 9 to Sunday, June 12, 2016. MARM 2016 coincides with the 125th Anniversary of the American Chemical Society – NY Section.

For information regarding MARM 2016, please visit: <http://www.marmacs.org/2016>

- Questions regarding the event should be directed to the MARM 2016 General Co-Chairs:

Pamela Kerrigan: [pamela.kerrigan@mountsaintvincent.edu](mailto:pamela.kerrigan@mountsaintvincent.edu)

Daniel Amarante: [daniel.amarante@mountsaintvincent.edu](mailto:daniel.amarante@mountsaintvincent.edu)

- Interested speakers or individuals seeking to become Session Chairs should contact the MARM 2016 Program Co-Chairs:

Paris Svoronos:

[PSvoronos@qcc.cuny.edu](mailto:PSvoronos@qcc.cuny.edu)

Sujun Wei: [SWei@qcc.cuny.edu](mailto:SWei@qcc.cuny.edu)

For a current list of sessions visit: <http://www.marmacs.org/2016/program.html>

- Potential exhibitors and sponsors may contact the MARM 2016 Exhibits and Sponsorship Co-Chairs:  
Fitzgerald Bramwell: [jerry@empirescience.com](mailto:jerry@empirescience.com)

Ping Furlan: [furlanp@usmma.edu](mailto:furlanp@usmma.edu)

Urszula Golebiewska: [UGolebiewska@qcc.cuny.edu](mailto:UGolebiewska@qcc.cuny.edu)

**Dates: Thursday-Sunday,  
June 9-12, 2016**

**Place:** College of Mount Saint Vincent  
Riverdale, NY

***See Call for Volunteers on page \_\_\_\_\_  
and more extensive information on  
pages 16 & 17.***

## NEW YORK SECTION – MARM 2016

**Theme: “Chemistry: Past, Present, and Future: New York – A Chemistry State of Mind**

**Date: Thursday, June 9 to Sunday, June 12, 2016**

**Place:** College of Mount Saint Vincent, Riverdale, NY

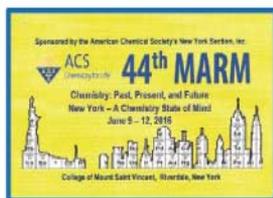
The 44th Middle Atlantic Regional Meeting (MARM 2016) of the American Chemical Society (ACS) coincides with the 125th Anniversary of the American Chemical Society – NY Section.

For information regarding MARM 2016, please visit: <http://www.marmacs.org/2016>

Potential exhibitors and sponsors, please visit: <http://marmacs.org/2016/advrtse.html>

- Early Registration Begins **January 2016!**

Category	Early Registration	Onsite Registration
ACS Member	\$150	\$180
Non-ACS Member	\$200	\$240
Undergraduate (ACS member)	\$40	\$50
Undergraduate (Non-member)	\$50	\$60
High School Student	\$10	\$15
Post Doc Student (ACS member)	\$80	\$95
Post Doc Student (Non-member)	\$100	\$120
Retired/Emeritus/Unemployed	\$0	\$0
K-12 Teachers (ACS member)	\$40	\$50
K-12 Teachers (Non-member)	\$60	\$70
Attendee Guests	\$25	\$25



American Chemical Society's New York Section, Inc.  
Middle Atlantic Regional Meeting 2016  
<http://marmacs.org/2016/>

### Exhibits/Sponsorship Chairs

**Ping Furlan**  
(516) 726-5783  
[pfurlan@usmma.edu](mailto:pfurlan@usmma.edu)

**Urszula Golebiewska**  
(631) 252-2106  
[UGolebiewska@qcc.cuny.edu](mailto:UGolebiewska@qcc.cuny.edu)

**Fitzgerald Bramwell**  
(859) 338-7591  
[jerry@empirescience.com](mailto:jerry@empirescience.com)

### General Chairs

**Pamela Kerrigan**  
[Pamela.kerrigan@Mountsaintvincent.edu](mailto:Pamela.kerrigan@Mountsaintvincent.edu)

**Daniel Amarante**  
[Daniel.amarante@Mountsaintvincent.edu](mailto:Daniel.amarante@Mountsaintvincent.edu)

### Program Chairs

**Paris Svoronos**  
[PSvoronos@qcc.cuny.edu](mailto:PSvoronos@qcc.cuny.edu)

**Sujun Wei**  
[SWei@qcc.cuny.edu](mailto:SWei@qcc.cuny.edu)

### Treasurer

**Frank Romano**  
[frank.romano@agilent.com](mailto:frank.romano@agilent.com)

### Secretary

**Marlon Moreno**  
[MMoreno@qcc.cuny.edu](mailto:MMoreno@qcc.cuny.edu)

### Awards

**Michael Castaldi**  
[mcastaldi@saintpeters.edu](mailto:mcastaldi@saintpeters.edu)

### MARM Executive

**Board Contact**  
**Martha Hollomon**  
[Martha.Hollomon@comcast.net](mailto:Martha.Hollomon@comcast.net)

### Website

**Paul Sideris**  
[PSideris@qcc.cuny.edu](mailto:PSideris@qcc.cuny.edu)

**Paul Tukey**  
[paul@tukey.org](mailto:paul@tukey.org)

**ACS Meeting  
Planning Partner**  
**Kimberly Savage**  
[K\\_Savage@acs.org](mailto:K_Savage@acs.org)

Dear Potential Exhibitor/Sponsor:

We invite your organization to take advantage of the many benefits of MARM 2016 as an Early Bird sponsor. There is the opportunity to connect with 30,000 chemists, biochemists and science educators in the Middle Atlantic Region (Washington DC to New York and of course all points in between). At MARM 2016, we anticipate 1,000 attendees from area industry, government labs, colleges and universities, public schools, and clinical labs. (Indeed, you are invited to review our program information at our website, <http://www.marmacs.org/>) MARM 2016 will run at the College of Mount Saint Vincent in Riverdale, NY on Thursday, June 9 through Sunday, June 12, 2016.

Your investment in the MARM 2016 Exposition as an Early Bird sponsor will maximize with attendees: either decision makers or prospective workforce employees. Among the incentives offered to Early Bird sponsors are:

- a special discount on exhibition space;
- targeted break (networking) sessions with industrial or academic decision makers;
- access to approved data bases for students; access to approved data bases for decision makers.

Here are some additional aspects of our plan that will assure the success and economy of your sponsorship:

- Early bird sponsors can rent exhibit space with or without power at a **significantly reduced rate.**
- Exhibit spaces available for Early Bird sponsors will be located in high traffic areas and include:
  - Standard power (120 V) is available along the walls.
  - 8 x 10-ft space including a 6-ft rectangular table, two chairs, and a trashcan.
  - No cost wireless internet access available throughout the College of Mount Saint Vincent.
- Complimentary registration fees.
- BBQ, Raffle Draw, and sponsored Coffee Breaks that target potential workforce employees, or decision makers will be set up in the exhibit areas.
- Complimentary hot link posting to your company on the MARM 2016 website.

MARM conference registration will be set up in the exhibit areas. Exhibit areas are located near the technical sessions and with the poster sessions. **Register before March 1, 2016 to take advantage of the Early Bird Rates, and register by April 15, 2016 to ensure full benefits.** Exhibit space is limited and spots will be reserved on a first come basis. In addition to benefiting your organization, your participation will help make this the best MARM meeting ever!

If you have any questions, please feel free to contact us.

Sincerely,

*Fitzgerald B. Bramwell*

*Urszula Golebiewska*

*Ping B. Furlan*

Dr. Fitzgerald Bramwell  
859 338-7591  
[jerry@empirescience.com](mailto:jerry@empirescience.com)

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Dr. Ping Furlan  
516 726-5783  
[furlanp@usmma.edu](mailto:furlanp@usmma.edu)

## MIDDLE ATLANTIC REGIONAL MEETING 2016

## New York—A Chemistry State of Mind

## SPONSORSHIP AND EXHIBIT OPPORTUNITIES

COLLEGE OF MOUNT SAINT VINCENT, RIVERDALE, NY | JUNE 9-12, 2016

## Sponsor Categories

	Diamond Sponsor	Platinum Sponsor	Gold Sponsor	Silver Sponsor	Bronze Sponsor	Donor In Kind
Fee	\$3,000- \$10,000	\$2,000- \$2,999	\$1,000- \$1,999	\$500- \$999	\$250- \$499	Any
Sponsorship*	Session/Event /General	Session/Event /General	Session/Event /General	Session/Event /General	General	NA
Table at Expo	Yes	No	No	No	No	NA
Signage	All	All	Event Placard	Event Placard	No	NA
Meeting Program	Cover	Full Page	1/2 Page	1/4 Page	Logo	Appreciation
Website Logo/link	Yes	Yes	Yes	Yes	Yes	Appreciation
Email blasts	Logo	Logo	No	No	No	NA
Certificate	Diamond	Platinum	Gold	Silver	Bronze	Appreciation
Registration	4	2	2	1	1	NA

\* Events include but are not limited to workshops, luncheons, social events, coffee breaks, and raffle. Full payment by April 15, 2016 to ensure full benefits.

## Exhibit Categories

Entity	Size (feet)	Cost*		Included
		Early	Regular	
Commercial	8x10	\$800	\$1000	Power, 6-ft rectangular table, two chairs, two registrations, meeting attendee contact info, logo on website & program
Commercial	8x10	\$500	\$700	6-ft rectangular table, two chairs, two registrations, meeting attendee contact info, logo on website & program
Academic	8x10	\$350	\$450	6-ft rectangular table, two chairs, one registration, logo on website & program
Academic	Shared 8x10	\$150	\$200	½ 6-ft rectangular table, one chair, logo on website & program
Unattended	8x10	\$275	\$350	6-ft rectangular table, meeting attendee contact info, logo on website & program
Unattended	Shared 8x10	\$175	\$225	½ 6-ft rectangular table, meeting attendee contact info, logo on website & program

\*Early Bird by March 1, 2016; full payment by April 15, 2016 to ensure full benefits; reduced price for combined registration with 2016 NERM is available (please call for information).

## Advertisement

Categories*	Cost
Program ½ page with web logolink	\$500
Program ¼ page with web logolink	\$300
Program business card with web logolink	\$125
web logolink	\$45

\* Full payment by April 15, 2016 to be included in the Program. Call for prices for other options



*The American Chemical Society North Jersey Section  
Organic Topical Group  
Presents*

**Innovation in Drug Discovery**

Thursday, December 3, 2015  
The Palace at Somerset Park  
333 Davidson Ave, Somerset, NJ 08873



**Professor Dennis Liotta (Emory University)**

*The Role of CXCR4 Modulators in Controlling HIV Entry,  
Stem Cell Mobilization and Certain Types of Cancer*



**Alexander Ruchelman (Celgene)**

*Apremilast: From Discovery to Commercialization*



**Michael Kress (Merck)**

*Contemporary Process Chemistry Solutions: Good Enough  
is Never Good Enough*



**Nils Lonberg (Bristol-Myers Squibb)**

*Targeting the Immune System for Cancer Therapy*



**Professor Seth Herzon (Yale University)**

*Synthetic and Translational Studies of the Diazofluorene  
Antitumor Antibiotics*



**Peter Senter (Seattle Genetics)**

*Antibody Drug Conjugates: From Preclinical Research  
to an Approved Drug and Beyond*

Due to limited seating, registration and payment are required by November 20, 2015.  
Registration fee: \$100.00 (includes symposium, breakfast and lunch)

Registration begins at 8:30. The symposium will begin at 9:20 am.

For directions, information and on-line registration please visit our website: <http://www.njacs.org/organic.html>

Organizing Committee: Amjad Ali, (co-chair, Merck), Ken Fraunhofer (BMS), Eric Mertz  
(Merck), Steve Silverman (Merck), Lawrence Williams (co-chair, Rutgers)

## North Jersey Meetings

<http://www.njacs.org>

### NORTH JERSEY EXECUTIVE COMMITTEE MEETING

There will be no Executive Committee Meeting in December.



### CAREERS IN TRANSITION MEETINGS

#### Job Hunting??

Resume & LinkedIn writing and key word search rules are changing. To be found, come and utilize our latest insights. Our ACS trained Career Consultants offer assistance at Students2Science to help members with their job search on the second Monday of each month. Topics at this free workshop are:

- Techniques to enhance resume effectiveness
- Interview practice along with responding to difficult questions
- Networking to find hidden jobs
- Planning a more effective job search

**Date:** Monday, December 14, 2015

New from now on is a second CIT meeting in East Windsor on the third Monday. Contact Bill for details.

**Times:** Meeting 2:30 - 5:00 PM

**Place:** Students 2 Science, Inc.  
66 Deforest Avenue  
East Hanover, NJ

**Cost:** No charge

**Reservations:** at [www.njacs.org/careers.html](http://www.njacs.org/careers.html)

A job board and networking assistance is offered at most topical group meetings. Appointments with Bill can be arranged for personal assistance at (908) 875-9069 or [bill@earthlink.net](mailto:bill@earthlink.net).

See [www.njacs.org](http://www.njacs.org) under the Career tab for Jobs hidden from sight and relevant blogs.

## NJACS PARTNERS WITH STUDENTS2SCIENCE

Members are encouraged to volunteer at their East Hanover facility and explore their website at [www.students2science.org](http://www.students2science.org) to learn more about this innovative program.

S2S continues to expand their exciting laboratory experience the disadvantaged children. Many of our members continue to volunteer as mentors. At their 2 million dollar analytical lab, every 40 kids are assisted by 16 professional volunteer mentors. The experiments performed really make chemistry and science come alive using state of the art analytical equipment working with students starting in 6th grade up to HS seniors. Each day is optimized for grade level and curriculum.

Now the program has further expanded with internet video and experiments performed in the classroom for 4th & 5th grades. Internet allows views of the lab in operation and relates to simpler experiments setups done in the classroom with their teacher and a partnering chemist.

North Jersey members who volunteered benefited in many ways. Those in transition expanded their network and received job finding assistance. Retired chemists met up with old friends and made many new friends. Those with jobs used the volunteer hours as part of the company outreach programs and team training. All feel great about making a difference in the lives of the youth who may have never met a scientist or considered a career in the sciences.

Please consider volunteering and discovering more about this innovative program. If you want to learn more, you can speak with Don Truss at (908) 334-8435.



## **NMR TOPICAL GROUP – JOINT MEETING WITH PRINCETON ACS SECTION**

### **4th Annual NMR Symposium**

#### **Topics and speakers:**

*Speaker:* Mei Hong

Institution: Massachusetts Institute of Technology

**Topic: Solid-state NMR of Membrane Proteins**

*Speaker:* Robert Powers

Institution: University of Nebraska - Lincoln

**Topic: Metabolomics**

*Speaker:* Hashim Al-Hashimi

Institution: Duke University

**Topic: RNA and DNA Dynamics**

*Speaker:* Kevin Gardner

Institution: City University of New York

**Topic: Protein-protein Interactions**

*Speaker:* Mark McCoy

Institution: Merck Research Labs

**Structure-based Drug Discovery**

*Speaker:* Peter Caravan

Institution: MGH/Harvard, Boston

**Topic: Imaging Probes**

More details and registration will be available in mid September: <http://www.njacs.org/nmr-spectroscopy-topical-group>

***We are very grateful to our sponsors:***

Bristol-Myers Squibb

Bruker BioSpin

JEOL

Dr. Luciano Müller

Cambridge Isotope Laboratories

Sigma-Aldrich/Isotec

Wilma-LabGlass

New Era Enterprises

Suraj Manrao Science Fund

Mestrelab Research

ACD/Labs

Magritek

**SURPRISE**

our editor by calling and saying you appreciate the quality and content of our newsletter. Our editor works hard to maintain a publication of interest to our membership. Oh, and by the way, you could also give credit to our advertisers who financially support us.

## **Call for Applications**

### **FREDDIE AND ADA BROWN AWARD**

This Award recognizes and encourages high achieving middle- and high-school students, of African American and Native American heritage, to further develop their academic skills, with views on careers in the chemical sciences

#### **Award Amounts**

Middle School \$100.00 Check and \$50.00 gift certificate : High School \$200.00 Check and \$100.00 gift certificate

#### **Who is Eligible**

Middle School students enrolled in a science class : High School students who have completed a chemistry course

#### **Grades**

Middle School B Average or better in Science, B Average overall : High School B Average in Chemistry, B Average overall

#### **Letter of Recommendation**

Math or Science/Chemistry Teachers or Guidance Counselor

#### **Statement**

Middle School "Why I Like Science" : High School "Why I Like Chemistry"

#### **Selection Criteria**

Applicants must be African American (Black) or Native American (including Pacific Islander) or of mixed race.

#### **Transcript**

Official transcript required.

#### **Financial Need**

Not Required.

Applications available on the web: [www.njacs.org/freddieadabrown](http://www.njacs.org/freddieadabrown)

or from your school guidance office.

#### **Return Application To**

Freddie and Ada Brown Award, NJACS Section Office, 49 Phippen Way, Morristown, NJ 07960

#### **Due Date**

Completed Applications must be post-marked no later than **March 31 Annually**

**Questions:** Contact Jeannette Brown [Jebrown@infionline.net](mailto:Jebrown@infionline.net) or (908) 239-1515

## **WILLIAM H. NICHOLS FELLOWSHIP**

The New York Local Section of the American Chemical Society is proud to announce the continuation of a summer research opportunity for undergraduates, the William H. Nichols Fellowship.

The Nichols Fellowship is open to all college students majoring in chemistry (broadly defined) who will perform research over the summer before graduation at an institution in the NY Local Section geographic area.

Each Nichols Fellow receives a stipend of \$5,000 to support them as they perform their research, and is expected to submit a two-page written report at the end of the summer and present their work at the 2017 Undergraduate Research Symposium.

In addition, each Nichols Fellow and their mentor will be invited as honored guests to the 2017 William H. Nichols Award Banquet.

Applications are available online at [www.newyorkacs.org/NicholsFellowship](http://www.newyorkacs.org/NicholsFellowship) and are due **January 1, 2016**.

**All applicants will be notified by March 1, 2016.**

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## **Call for Nominations**

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### **COMMITTEE ON THE HISTORY OF THE NEW YORK SECTION**

Over the past twenty-three years the New York Section has participated in the designation of seven National Historic Chemical Landmarks and four New York Section Historic Chemical Landmarks. A brief description of these National and local section landmarks may be found on the NY

Section Home Page at [newyorkacs.org](http://newyorkacs.org), under the Committee on the History of the NY Section. 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 an historic chemical landmark. The Committee on the History of the NY Section will consider all nominations. In addition to a particular achievement, an historic library, building or association may be worthy of this distinction.

Please send your nomination, with supporting documentation, to the Chair of the Committee, Dr. John B. Sharkey, at [johnbsharkey@me.com](mailto:johnbsharkey@me.com).



### **WESTCHESTER CHEMICAL SOCIETY DISTINGUISHED SCIENTIST AWARD 2016**

The Westchester Chemical Society is accepting nominations for the "WCS Distinguished Scientist Award 2016". Scientists who live or work in Westchester or the Bronx qualify. The awardee is expected to attend the Awards Dinner (April/May timeframe) and to present aspects of his or her work. Self-nominations are acceptable. Please send a cover letter stating why your nominee should receive the award along with the nominee's resume **by January 16, 2016** to:

Dr. Paul Dillon at [PaulWDillon2@hotmail.com](mailto:PaulWDillon2@hotmail.com) or  
67 Matthes Road, Briarcliff Manor, NY  
10510

or to: Dr. Peter Corfield at  
[pwrc@earthlink.com](mailto:pwrc@earthlink.com).



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## VOLUNTEER OF THE YEAR

Do you know of an ACS member who has demonstrated extraordinary outreach volunteer service to your local section in 2015? Through the Local Section Outreach Volunteer of the Year recognition program, each local section has an opportunity to recognize one individual annually for demonstrating extraordinary outreach volunteer service within the section.

Using this online form, the Local Section Chair may submit a name of an individual to be recognized. The deadline for submission for the 2016 cycle is **December 15, 2015**.

By February 2016, the ACS will send you an award to present to the honoree during a section meeting or other local section event in the spring of 2016. An announcement of all of the awardees will be made by spring 2016 in Chemical & Engineering News. The awardees photo and volunteer accomplishments will also be published on the <http://www.acs.org/getinvolved> webpage.

If you have any questions, please feel free to contact [outreach@acs.org](mailto:outreach@acs.org).

Sincerely,  
Kim Morehouse and  
Christine Jaworek-Lopes  
Co-Chairs of the Subcommittee on  
Volunteer Engagement & Recognition  
ACS Committee on Community Activities  
(CCA)

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## Call for Volunteers

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### OPPORTUNITY FOR ACS MEMBERS TO AID STUDENTS 2 SCIENCE IN A HYBRID VIRTUAL LAB PROGRAM

Can you spare a few hours of your time? Do you like working with students and would you like the opportunity to share your science knowledge in a classroom? Students 2 Science is seeking volunteers to aid in our Virtual Lab program. We have a series of elementary, middle, and high school experiments that we will be running in various schools across New Jersey. Members are especially needed to help with the North Jersey section's IPG funded project to bring hands-on science to South Jersey. We need professionals to help in the classroom with the students. It's great fun, a wonderful

way to give back, and only requires a few hours of your time. Opportunities begin in November. For more information, contact Fran Nelson, [frannelson@students2science.org](mailto:frannelson@students2science.org) and visit our website at [Students2Science.org](http://Students2Science.org)



## ACC&CE

### Chem Show at Javits Center

We need volunteers for Secretary and for Membership Chairman ASAP.

We are scheduled for the CHEM SHOW at Javits Center in NYC from **November 17 through 19** at booth # 810. If you attend and can help for an hour or so please let me know and I will get you a free Exhibitor badge. We also will present a Seminar on **November 18** at 3:30PM in a room to be announced. The list of speakers will be sent out shortly.

**Dues**— Our newest member is Anne-Marie Rossmesl. We have collected \$2950 from 40 members (two honorary).

**Ads**— The ACS liability Insurance ad is overdue for \$500.00. We have collected \$660 thus far from 10 members with one member uncertain.

**CHI's**— We are at CHI—2015-063 now and a few inquiries received for fiscal 2015 and no fees collected vs. 23 inquiries in fiscal 2014 with 2 fees for \$1032.77 collected.

Please check your latest copies and see if you can respond to the unanswered CHI's.

I would like to know from the members how many have ever used the CHI's, how frequently, etc. Also it would be good to know how many have regular clients where a CHI is not required.

**Meetings**—We look forward to Dr. Schauer making a presentation at the September 23rd meeting following the Council meeting. Dr. Manuta, our newly elected President will attend and preside.



## MARM 2016

The New York Section will be hosting MARM 2016, June 9-12, 2016 at the College of Mount Saint Vincent, Riverdale, NY 10471. The section will be celebrating its 125th Anniversary during its event. The theme is Chemistry: Past, Present, and Future. The General Chairs for this meeting are Dr.

Pamela Kerrigan and Dr. Daniel Amarante from the College of Mount Saint Vincent's Division of Natural Sciences. To volunteer in planning and/or for further information, please contact them at the following emails:

[Pamela.kerrigan@mounstaintvincent.edu](mailto:Pamela.kerrigan@mounstaintvincent.edu)

or

[Daniel.amarante@mounstaintvincent.edu](mailto:Daniel.amarante@mounstaintvincent.edu)

## Others

### PITTCON

The Registration Committee today announced that conferee registration <http://pittcon.org/register/> is now open for Pittcon 2016, the world's largest annual conference and exposition for laboratory science. The event will be held **March 6-10, 2016**, at the Georgia World Congress Center, Atlanta, Georgia..

The discounted registration fee of \$225 is available through February 12, 2016. (\$375 after 2/12). This affordable price includes unlimited week-long access to the exposition, technical sessions, Conferee Networking sessions, the Wallace H. Coulter Lecture, Employment Bureau, and all amenities of the event. Other discounts include group, student and short course discounts. Visit [www.pittcon.org](http://pittcon.org) <http://pittcon.org/register> to see complete information.

Registration Chairman Brian Strohmeier commented, "Pittcon continues to be an excellent return on investment for our conferees offering an unequalled instrumentation and scientific equipment exhibition plus a wide range of educational, networking, and social opportunities at an affordable cost.

PittconHousing.com, powered by OnPeak (formerly Travel Planners), is the official source for conference hotel reservations and is now open for booking reservations. Pittcon has negotiated a discounted rate for hotel rooms in an official block and will provide shuttle service to and from the convention center within these designated properties

Visit [www.pittcon.org](http://www.pittcon.org) or <http://pittcon.org/register> to get more information and to register.

### AIChE

AIChE and Society for Biological Engineering join forces with Wiley to launch Bioengineering & Translational Medicine, with Samir Mitragotri of the University of California, Santa Barbara, as editor-in-chief.

Bioengineering & Translational Medicine, in 2016. To be part of the Wiley Open Access portfolio and edited by Samir Mitragotri of the University of California, Santa Barbara, the new journal will focus on ways chemical and biological engineering are driving innovations and solutions that impact clinical practice and commercial healthcare products. The journal will also highlight scientific and technical breakthroughs currently in the process of clinical and commercial translation.

Bioengineering & Translational Medicine welcomes manuscripts that provide new insights into translational hurdles, as well as examples of technologies that have demonstrated progress toward clinical or commercial translation. It invites contributions on topics including, but not limited to, drug delivery, drug discovery, tissue engineering, synthetic biology, gene therapy, computational modeling and bioinformatics, among others. (A more comprehensive list of topics can be found in the journal's statement of scope.) The journal will include research reports, reviews, and rapid communications. Fully open access Bioengineering & Translational Medicine will be published under CC-BY license.

Mitragotri concluded: "To researchers who are active, or aspiring to be active, in clinical and commercial translation of biological technologies, I say 'this is your journal.' With a stellar advisory board behind us, we are poised for an exciting, quick, and successful launch. We promise a rapid and fair review and fast publication. We also welcome your suggestions and comments on ways we can make the journal better serve your needs."

Readership will include chemical engineers; biological engineers, biomolecular engineers, biomedical engineers and other engineers and scientists with interests in translational medicine, biotechnology, and biochemical and biomolecular engineering; and physicians and other healthcare researchers and professionals.

Additional information is available at: <http://www.aiche.org/biotm> or by email at [biotm@aiche.org](mailto:biotm@aiche.org).

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