Dr. Alison Hyslop
2016 New York Chair

See Chair’s Message on page 5.
In recent columns I have discussed material drawn from 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. This is the first book-length examination of the history of the chemical laboratory. In this final installment I revert to an examination of later innovations in laboratory equipment and design.

Robert Bunsen had a first hand acquaintance with the dangers that may be encountered in the pursuit of experimental chemistry. While he was working on the chemistry of Cadet’s liquid, a complex fuming material first described in 1760 and obtained by heating a mixture of arsenic (III) oxide and potassium acetate, he isolated a material he believed to be a “free” radical, that he named cacodyl. We would call cacodyl the dimethyl arsino radical; Bunsen had isolated its dimer, tetramethyldiarsine. During an attempted combustion analysis of this compound the equipment exploded. Bunsen lost the sight of one eye in this disaster. He decided that safer laboratory enclosures were needed to protect experimenters and introduced improved fume cupboards or fume hoods into his laboratory.

The names used to describe this innovation have changed over time. Morris ascribes the term fume cupboard to as late as 1860. Fume hood, fume closet, and draft enclosure were all used in earlier times. In a previous column I mentioned Liebig’s fume hoods, which relied on the draft produced by a furnace. Liebig also introduced glass doors in front of his hoods, and Bunsen eventually followed suit. In 1880 Edmond Fremy, in Paris, substituted gas jets, which were much more convenient than furnaces or stoves, to provide the hot air updraft in his hoods. Gas jets were in wide use for this purpose until early in the twentieth century when they were replaced by electric fans. Thus the modern fume hood came into being.

In my own chemical training, both at high school and university (I refer to England in the 40s and 50s of the twentieth century) much emphasis was laid in my laboratory work on what was called Group Analysis, that is the determination of the presence of certain metal cations with an occasional nod to anions in solution. The metal ions were divided into Groups by the application of reagents that included, for Group I, hydrochloric acid; for Group II hydrogen sulfide (a very toxic gas!) in acidic solution; and so on. Group Analysis seems to have been introduced into chemical training in the late 19th. or early 20th. century when the numbers of chemistry students were growing rapidly, and teachers believed that repetitive drills, the core of Group Analysis, were the best way to instill laboratory skills into a large group of students. The mephitic odor of hydrogen sulfide pervaded those laboratories; I speak from experience – an experience that I am sure that a number of my older readers will have shared. In “my” laboratories the hydrogen sulfide was produced in Kipp’s generators, an elegant and ingenious piece of equipment that often features in re-creations of laboratories of the period. Group Analysis was based on serious discussions of the reactions involved by its earliest proponents, analytical chemists of the mid-19th. century, Rose and Fresenius.

In a bow to the season and to Group Analysis I recall part of a parody in song, to the tune of “A Partridge in a Pear Tree”:

The first time I took it up the demy* said to me
There’s one metal more in Group 3!
The second time I took it up the demy said to me
Chloride isn’t there and there’s one metal more in Group 3.
And so on. Anyone out there remember any more? Happy Holidays.

*Demy short for Demonstrator: a lab. assistant, often a graduate student.
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April  February 20
May  March 20
June  April 20
September  July 20
October  August 20
November  September 20
December  October 20
January 2017  November 20, 2016

The monthly newsletter of the New York & North Jersey Sections of the American Chemical Society. Published jointly by the two sections.

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Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.
**January Calendar**

**NEW YORK SECTION**

**Thursday, January 7, 2016**  
Chemical Marketing & Economics Group  
*See page 11.*

**Saturday, January 16, 2016**  
NY Sectionwide Conference  
*See page 10.*

**Friday, January 29, 2016**  
High School Teachers Topical Group  
*See page 11.*

*also*

**Tuesdays, February 2 and April 19, 2016**  
New York Nanoscience Discussion Group  
*See page 12.*

**Thursday, February 4, 2016**  
Long Island Subsection  
*See page 12.*

**Tentatively Thursday, February 4, 2016 and Thursday, April 7, 2016**  
Westchester Chemical Society  
*See pages 12-14.*

**Fridays, February 26, 2016, March 18, 2016, and April 15, 2016**  
High School Teachers Topical Group  
*See page 14.*

**Saturday, February 6, 2016**  
21st Annual HS Poster Contest  
*See pages 14 and 16.*

**Friday, March 4, 2016**  
Nichols Symposium  
*See pages 8-9.*

**Saturday, May 7, 2016**  
Undergraduate Research Symposium  
*See page 17.*

**Thursday-Sunday, June 9-12, 2016**  
MARM 2016  
*See pages 18-20.*

**NORTH JERSEY SECTION**

**Monday, January 25, 2016**  
North Jersey Executive Committee Meeting  
*See page 6.*

**Monday, January 22, 2016**  
Careers in Transition  
*See page 6.*

*also*

**Thursday, April 14, 2016**  
Drug Metabolism Discussion Group  
*See pages 6-7.*

**Date to be determined**  
NMR Topical Group - 4th Annual NMR Symposium  
*See page 7.*

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**Deadline for items to be included in the February 2016 issue of *The Indicator* is December 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 New York Chair’s Message

Alison Hyslop

In 1891 the New York Section of the American Chemical Society was chartered, and in 2016, we will be celebrating our 125th anniversary. New York has been and will continue to be a leading section in the ACS. It is an honor to serve you as the Chair of the New York Section for 2016.

In the past 125 years, the NY Section has developed excellent programs through the William H. Nichols Medal Symposium, the Undergraduate Research Symposium, Chemists Celebrate Earth Day with a walk across the Brooklyn Bridge, and National Chemistry Week at the New York Hall of Science. The subsections continue to engage chemists in their local area through the Brooklyn Frontiers in Chemistry talks, High School Poster Sessions, the Westchester Awards, Science Cafés, monthly subsection talks, and the Long Island Chemistry Challenges. The New York Section also involves chemists through the topical discussion groups: the Biochemical group collaborates with the New York Academy of Sciences to sponsor a number of symposia each year, Analytical, Nanotechnology, and Inorganic groups host a number of seminars and symposia, High School Teachers meet to discuss and share innovative teaching, Chemical Marketing and Economics group hosts a series of high-level talks focused on the chemical industry throughout the year. A new topical group on Microwave Chemistry is being formed. The committees also contribute to the vibrancy of our Section through Chemagination, a competition for high school students to envision how chemistry will influence our lives in the future, US National Chemistry Olympiad for high school students to compete for the US team, the History of the NY Section committee, and Project Seed, a program that provides for high school students to conduct research in local laboratories.

At events throughout this coming year, the New York Section will celebrate our anniversary starting with the Sectionwide conference on January 16th with Dr. John P. Sharkey reflecting on the past 125 years of the Section. We are hosting the Middle Atlantic Regional Meeting at the College of Mount Saint Vincent on June 9 – 12 with the theme Chemistry: Past, Present and Future. The Nichols Award Symposium will be held on March 4th at the Crowne Plaza Hotel in White Plains and will honor Prof. Stephen Buchwald of the Massachusetts Institute of Technology.

This year, I would like to focus on re-activating the subsections that have played an important role in the past in the New York Section. I am asking for your help to work with the Rockland and Staten Island subsections. If you are interested, please volunteer. In addition, the Younger Chemists, the Education, and the History of the NY Section are looking for volunteers to work with these topical groups and committees.

All of this work is done through the excellent work of the volunteers of the New York Section. The previous chairs and executive committee members have set a high standard for service and dedication. The work done by the chairs of the committees, subsections, and topical groups have continued to make our Section one of the leading sections in the ACS. I am looking forward to an eventful year for our Section and I encourage your active participation in NYACS sponsored events. As we go into the next 125 years, let us continue the excellent work that we have done together.

Alison Hyslop
2016 Chair, New York Section ACS

www.newyorkacs.org
hyslopa@stjohns.edu
North Jersey Meetings

http://www.njacs.org

NORTH JERSEY EXECUTIVE COMMITTEE MEETING

Section officers, councilors, committee chairs, topical group chairs, and section event organizers meet regularly at the Executive Committee Meeting to discuss topics of importance to running the section and representing the membership.

All ACS members are welcome to attend this meeting and to become more involved in section activities.

Date: Monday, January 25, 2016
Time: 6:00 PM
Place: To be determined

(Please consult NJACS section website http://www.njacs.org)

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, January 11, 2016
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

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 billnuts@earthlink.net.

NJACS PARTNERS WITH STUDENTS2SCIENCE

Members are encouraged to volunteer at their East Hanover facility and explore their website at 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 benefitted 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.

DRUG METABOLISM DISCUSSION GROUP

Transforming Assessment of Drug Disposition with Novel Methodologies

On April 14, 2016, the North Jersey Drug Metabolism Discussion Group will be holding their Fall Meeting. The meeting is centered upon “Transforming Assessment of Drug Disposition with Novel Methodologies”. Five dynamic speakers from industry and academia have been selected to
present their work. The meeting will be held at The Palace http://palacesomersetpark.com and chaired by Lauren Aleksunes, Rutgers University. For more information about the meeting or to learn more about the Discussion Group, please check out the Group’s website http://www.njacs.org/topical-groups/drug-metabolism or email aleksunes@eohsi.rutgers.edu.

“Application of Engineered Mouse Models for Xenobiotic Disposition Studies”
Speaker: Xinxin Ding
SUNY Polytechnic Institute

“Challenges in Identifying Biomarkers for Transporter-Mediated Drug Interactions in Liver and Kidney”
Speaker: Raymond Evers
Merck & Co.

“Microsampling in Nonclinical Studies: Where are We Now?”
Speaker: Laura Patrone
Bristol-Myers Squibb

“MALDI Imaging MS: Seeing Drug ADME in Tissues at Last”
Speaker: Stephen Castellino
GlaxoSmithKline

“Validation of an Integrated Series of Ligand Binding Assays for the Quantitative Determination of Antibody Drug Conjugates in Biological Matrices”
Speaker: Heather Myler
Bristol-Myers Squibb

Date: Thursday, April 14, 2016
Times: 8:00 AM - 4:00 PM
Place: The Palace at Somerset Park
333 Davidson Avenue
Somerset, NJ
Cost: Registration fee at the door is $150 (Checks only)
Registration fee is $10 for students and postdocs and $50 for faculty
Registration is free for unemployed

NMR TOPICAL GROUP — JOINT MEETING WITH PRINCETON ACS SECTION

4th Annual NMR Symposium

Speakers and Topics:
Speaker: Mei Hong
Massachusetts Institute of Technology
Topic: Solid-state NMR of Membrane Proteins

ResMed: Residential School on Medicinal Chemistry and Biology in Drug Discovery
June 5-10, 2016
Wyndham, Florham Park, NJ

This graduate level course concentrates on the fundamentals that are useful in drug discovery spanning initial target assay evaluation through clinical development. Several case histories of recent successful drug development programs will also be presented. The five-day program covers:

- Principles of Med Chem
- Chemoinformatics
- Lead ID & Optimization
- Epigenetics
- Fragment-based Drug Design
- Structure-based Drug Design
- Drug-like Properties
- Plasma Protein Binding
- Molecular Modeling
- Protein-Protein Interactions

- DMPK
- Toxicophores
- GPCRs
- Kinase Inhibitors
- Ion Channels
- Enzyme Inhibitors
- Biosensors
- Proclinical Tox
- Clinical Dev
- Case Histories

W. Greenlee, V. Gullo and R. Doll – Co-organizers

For more information and application forms: www.drew.edu/resmed
e-mail: resmed@drew.edu
phone: 973/408-3767; fax: 973/408-3304
Symposium: THE DEVELOPMENT AND APPLICATIONS OF MODERN METHODS IN ORGANIC SYNTHESIS

Award Recipient: PROFESSOR STEPHEN L. BUCHWALD
Massachusetts Institute of Technology

Date: Friday, March 4, 2016
Time: 12:30 PM Registration 1:00 PM – 5:30 PM Symposium
      5:45 PM Reception 6:45 PM Award Dinner
Place: Crowne Plaza Hotel, White Plains, NY

PROGRAM

1:00 PM Welcome Professor Alison G. Hyslop
       2016 Chair, ACS, New York Section
       St. John's University

1:05 PM Opening of the Distinguished Symposium Professor Brian R. Gibney
       2016 Chair-elect, ACS, New York Section
       CUNY - Brooklyn College

1:15-2:05 PM Multistep Continuous Flow Synthesis Professor Timothy F. Jamison
           Massachusetts Institute of Technology

Flow chemistry has the potential to revolutionize the synthesis of organic molecules - operationally and conceptually. Flow systems can reduce reaction times, increase efficiency, and obviate problems often encountered in scaling up. In addition to these important practical advantages, flow chemistry expands the “toolbox” of organic reactions available to scientists engaged in the synthesis of molecules – from small-scale experiments to large-scale production. These benefits are a direct result of several features of flow synthesis that batch synthesis typically cannot achieve, for example, the ability to control fluid flow precisely, the access to temperature and pressure regimes not usually considered to be practical, and the enhanced safety characteristics of flow chemical systems. In this lecture we will discuss some of our investigations in this area in the form of case studies, wherein a specific target or family of organic molecules has served as an inspiration for the development of new methods of organic synthesis in flow.

2:10-2:50 PM The Functionalization of C—H Bonds Professor M. Christina White
           University of Illinois Urbana-Champaign

Among the frontier challenges in chemistry in the 21st century are the interconnected goals of increasing control of chemical reactivity while synthesizing and diversifying complex molecules with higher efficiency. Traditional organic methods for installing oxidized functionality rely heavily on reactions that require extensive functional group manipulations (FGMs). In contrast, nature routinely uses allylic and aliphatic C—H oxidation methods, generally mediated by heme and non-heme iron monooxygenase enzymes, to directly install oxidized functionality into the preformed hydrocarbon framework of complex molecules. Due to their ubiquity in complex molecules and inertness to most organic transformations, C—H bonds have typically been ignored in the context of methods development for total synthesis. The exceptions to this rely on substrate directing groups to facilitate site-selectivity and reactivity. The discovery and development of highly selective oxidation methods for the direct installation of oxygen, nitrogen and carbon into allylic and aliphatic C—H bonds of complex molecules and their intermediates are discussed. Unlike Nature which uses elaborate shape or functional group recognition active sites, this chemistry harnesses the subtle electronic, steric, and stereoelectronic interactions between C—H bonds and small molecule transition metal complexes to achieve high regio-, chemo-, stereo- and site-selectivities with high substrate generality and without the requirement for directing groups. Our current understanding of these interactions gained through empirical and mechanistic studies will be discussed. A user-friendly catalyst reactivity model that calculates and even predicts the major site of oxidation as well as the magnitude and direction of the site-selectivity in complex substrates as a function of catalyst will be delineated. Novel strategies for streamlining the process of complex molecule synthesis and diversification enabled by these methods will be presented.

3:00 PM Coffee Break

3:30-4:20 PM Palladium-Catalyzed Carbon-Heteroatom Dr. Joel C. Barrish
           Bristol-Myers Squibb

Protein kinases are critical players in intracellular signal transduction pathways and the etiology of many human diseases. Over the last three decades, our understanding of this biological target class has grown such that there are now ca. 25 kinase inhibitors on the market, predominantly for the treatment of cancer. This presentation will describe the evolution of kinase drug discovery and development using several clinical candidate case histories to highlight key past milestones and future challenges.
Cross-coupling methodology is an indispensable part of the everyday repertoire of synthetic organic chemists. Crucial to our success in the development of new and more generally applicable methods has been our discovery and use of monodentate biaryl phosphine ligands. More recently, the invention of precatalysts based on these ligands has further increased their activity and utility. This lecture will detail our progress in formation of carbon-heteroatom bonds. Included will be: 1) An introduction to palladium-catalyzed carbon-heteroatom bond-forming reactions; 2) A description of ligand and catalyst development employing involving biarylphosphines. 3) Applications of these catalysts to the functionalization of heterocycles and the preparation of compounds of interest to medicinal chemists. 4) Application of these catalysts in PET imaging. 5) Applications of these catalysts to problems in bioconjugation. This section will describe our work on the functionalization of peptides, proteins and antibodies as well as the preparation of stapled peptides.

5:45 PM Social Hour

6:45 PM William H. Nichols Medal Award Dinner Professor David W. C. MacMillan (Princeton University) will introduce the Medalist


Tickets may be reserved using the following form, or preferably through the New York Section website that accepts credit cards or Paypal. [http://www.NewYorkACS.org](http://www.NewYorkACS.org).

********** RESERVATION FORM **********

2016 WILLIAM H. NICHOLS DISTINGUISHED SYMPOSIUM & MEDAL AWARD BANQUET in honor of Professor Stephen L. Buchwald

Return to: ACS, New York Section, c/o Dr. Neil D. Jespersen, Department of Chemistry, St. John’s University, 8000 Utopia Parkway, Queens, NY 11439 (516) 883-7510

Please reserve ______ places for the symposium & banquet at $120/person
ACS member ______ places for the symposium only at $40/person
______ places for the banquet only at $110/person
Non-member ______ places for the symposium & banquet at $150/person
______ places for the symposium only at $60/person
______ places for the banquet only at $120/person
______ places for the symposium only at $25/person, Students, Unemployed
______ places for the symposium only complimentary for 50 year + ACS members

(For table reservations of 8 or more, use the ACS member $120/person rate for combination tickets)

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BANQUET RESERVATION DEADLINE: FEBRUARY 19, 2016

Please make checks payable to: ACS, NEW YORK SECTION Check for $_________ enclosed
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 Svortonos
          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
New York Meetings

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 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 Dinner at the Crowne Plaza Hotel, White Plains, NY

Friday, April 15, 2016

Friday, June 3, 2016

Friday, September 16, 2016

Friday, November 18, 2016


CHEMICAL MARKETING AND ECONOMICS GROUP

2016 Economic Outlook

**Speakers:** Kevin Swift, PhD
Managing Director and
Chief Economist
American Chemistry Council

and

Robert Fry,
Principal at
Robert Fry Economics

**Date:** Thursday, January 7, 2016

**Time:** 11:00 AM - 2:00 PM
**Place:** Yale Club
New York, NY

HIGH SCHOOL TEACHERS TOPICAL GROUP

Is the Earth Warming or Cooling? Ice Ages and Climate Change

**Speaker:** Athanasios Koutavas,
Dept. of Engineering and Physics
College of Staten Island
<athanasios.koutavas@csi.cuny.edu>,

Earth’s climate is incredibly dynamic. Over geologic time it has repeatedly gone in and out of major Ice Ages, which buried New York under kilometers of ice. The last Big Ice Age occurred twenty thousand years ago, and a smaller cold spell known as the Little Ice Age ended just 150 years ago. We are currently living within a brief and precarious warm period – an interglacial – that is part of the natural cycle of Ice Ages. At the same time humanity is now affecting climate in unprecedented ways by torching up large quantities of carbon fuels to power civilization. How will natural and human forces shape Earth’s climate in the future? In this talk I will discuss what we can learn about our own climate from the geologic record of the Ice Ages.

**Date:** Friday, January 29, 2016
**Time:** Social and Dinner — 5:45 PM
No reservations required
**Place:** Social and Dinner — George’s
89 Greenwich Street (at Rector
Street, Southeast corner)
New York, NY

**Time:** Meeting — 7:15 PM
**Place:** Meeting — United Federation of
Teachers
52 Broadway
New York, NY

Check with security for room. This is just South of Exchange Place and the Wall Street Station on the #4 & #5 subway lines. It is a short walk from the several other subway stations.

Security at UFT 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: Street parking is free after 7:00 PM. Off street, garage parking is available in the area. There is a “park and lock” garage on Greenwich Street at Edgar Street. Public transportation is strongly recommended.
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.

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.

Dates: Tuesday, February 2, 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

* * * * *

Future Meeting:

Dates: Tuesday, April 19, 2016
Times and Place: same as above

LONG ISLAND SUBSECTION

Antimicrobial Surfaces

Speaker: Robert Engel, PhD
Department of Chemistry and Biochemistry
Queens College

Efforts of our laboratory have been directed toward the development of environmental surfaces that kill bacteria and fungi on contact without the use of antibiotics that can lead to the development of resistant strains. We describe our approach toward this end that utilizes cationic lipids for the rapid and complete destruction of a wide range of bacteria (Gram negative and Gram positive) as well as fungi, without being consumed in the process. Thus, an initial application to the surface remains active throughout the normal lifetime of the surface. Such surfaces serve for the prevention of transmission of pathogens and as such are prophylactic. We describe most recent advances in the application of these techniques toward the destruction of viral species, as well as approaches toward the development of materials that have the potential for use as pharmaceutical agents instead of prophylactic agents.

Date: Thursday, February 4, 2016
Times and Place: Social – 5:30 pm
              Seminar – 6:00 pm
Place: CUNY Queensborough Community College
       Science Building, S-112
Directions: http://www.qcc.cuny.edu/about/driving.html

WESTCHESTER CHEMICAL SOCIETY

Future Meetings

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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: 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
Or:
Anthony Durante (718) 289-5542 or 5569
E-Mail 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), Facebook, Twitter, and the (914) 606-6900 phone line.

(continued on page 14)
The annual poster session offers an opportunity for talented high school students from the New York metropolitan area to compete and be recognized for their research accomplishments.

**The program includes:**
- Awards for posters by students working in industry and experienced professionals.
- Panel presentations: Prof. David F. Kolb, Dept. of Psychology, Montclair State University.
- Certificate to all participants.
- Access to the four winning presenters.

For information or to register, please visit [poster-session@host.com](mailto:poster-session@host.com). For any questions, please contact Carma Rusk, 555-5555.

**Schedule:**
- 9:00-10:00 a.m.: Arrival and set-up.
- 10:00-11:00 a.m.: Judging.
- 11:30 a.m. - 12:30 p.m.: Social gathering.
- 12:30 p.m.: Awards.

**A Soupçon of Science: Culinary Pedagogy**

**Speakers:**
- Professor Kent Kirshenbaum, Dept. of Chemistry, and Director of Graduate Studies, New York University.
- Disan Davis, Chemistry Teacher, Hunter College High School.

**Date:**
- Friday, March 18, 2016

**“Demo Derby” — an evening of non-stop demonstrations by the attendees.**

**Date:**
- Friday, April 15, 2016

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**HIGH SCHOOL TEACHERS TOPICAL GROUP**

**Future Meetings**

**Making Biofuels from the Wind or Rocks**

**Speaker:** Professor Scott Banta
- Dept. of Chemical Engineering, Columbia University
- [http://www.columbia.edu/~sb2373](http://www.columbia.edu/~sb2373)

There is a great need to create liquid transportation fuels from resources other than geological carbon. The use of photosynthetic organisms is attractive but there are many challenges with this approach including land and water usage as well as competition with food agriculture. Chemolithoautotrophic bacteria are attractive as they obtain energy from the oxidation of inorganic materials and they can fix CO2 into reduced carbon compounds. We have been working to genetically modify the acidophilic bacterium *Acidithiobacillus ferrooxidans* which oxidizes iron and sulfur compounds and is found in mining environments. The engineered cells can produce chemicals and fuels from CO2 and they can be powered by renewable energy (such as wind or solar) by reducing the iron that they need to grow in a coupled reactor configuration. The cells are also employed in mining environments where they facilitate copper bioleaching operations. Therefore we are also exploring the use of the cells to co-produce fuels and chemicals during copper mining operations. This would result in the exploitation of a previously unexplored terrestrial energy resource — the oxidation of reduced metals in the Earth’s crust.

**Date:**
- Friday, February 26, 2016
On November 11, 2015 Dr. Marc Anton Walters, an Associate Professor in The Department of Chemistry at New York University, New York, NY spoke on “Hydrogen Bonding in Redox and Nanoparticle Construction.” Specifically, Dr. Walters described the use of gadolinium as a contrast agent for MRI scans and attempts to enhance the contrast using silver nanoparticles. These however introduced other problems. As an alternative, Dr. Walters has researched the formation and characterization of nanocapsules and gels in reverse micelles. These form with the use of hydrogen bonding cationic surfactants that are paired with anionic monomers. The monomers are polymerized to highly branched structures within the reverse micelle. These are cost effective to prepare and use and can also be adapted to transport, and slowly release, various molecular species (say, drugs) from, or protect within, the capsule (or gel in its interior). There were lively question and answer interactions with the audience during and after Dr. Walters’ interesting and informative 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. The photo below is of Dr. Walters and the WCS board of directors who attended the meeting.

Paul Dillon, Joan Laredo-Liddell, Jody Reifenberg, Marc Walters, Rolande Hodel, Peter Corfield and Jean Delfiner.

(Photo courtesy of Paul Dillon)
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@sjcny.edu.

Date: Saturday, February 6, 2016
Times: 9:00 AM - 1:00 PM
Place: St. Joseph’s College
Brooklyn NY

See announcement on page 14 and flyer below.
The Student Activities Committee of the New York Section of the American Chemical Society
Saturday, May 7th, 2016 at Lehman College
8:00 am – 3:00 pm (breakfast, luncheon and award reception included)
Sign up as an attendee at http://www.newyorkacs.org/meetings/urs/urs.php

Keynote Speaker: Dr. Scott D. Edmondson
Merck and Co. Inc

Dr. Scott Edmondson got his start in Chemistry at Cornell University where he attained an A.B. in Chemistry in 1991. He obtained his Ph.D. in Chemistry in 1996 from The Ohio State University where he worked with renowned organic chemist Professor Leo Paquette on the application of anionic oxy-Cope rearrangements to the synthesis of terpene natural products. Next, he was an NIH postdoctoral fellow with Professor Samuel J. Danishefsky at Columbia University where he worked on alkaloid natural product total syntheses.

In 1998, Dr. Edmondson joined Merck and Co., where he has worked on a broad range of therapeutic areas including obesity, diabetes, urology, cardiovascular disease, and most recently infectious disease. He is a co-inventor of Januvia™, a DPP-4 inhibitor currently used to treat patients with type 2 diabetes and he led a team of scientists to discover a compound currently in Phase 3 clinical trials for the treatment of overactive bladder. Dr. Edmondson is a co-author of more than 40 publications, 4 book chapters, and 10 patents/patent applications. Currently, he is Director of Discovery Chemistry at Merck in Kenilworth, NJ.

Stories of Drug Discovery: Discovery of Januvia™ (Sitagliptin) For Diabetes And Vibecon For Overactive Bladder

Inhibition of dipeptidyl peptidase 4 (DPP-4) is now an established method for the treatment of type 2 diabetes. At Merck, the DPP-4 inhibitor program was initiated in 1999 and shortly thereafter the medicinal chemistry team began optimization of two distinct classes of inhibitors derived from either α-amino amides or β-amino amides. Importantly, early research from our laboratories illustrated that the selection of DPP-4 inhibitors for clinical development should take into account selectivity over related enzymes DPP8 and DPP9 which have been associated with toxicity in preclinical species. Optimization of the β-amino amide series led to the discovery of JANUVIA™ (sitagliptin), the first DPP-4 inhibitor approved for the treatment of type 2 diabetes.

β1 Adrenergic receptor (AR) agonists were studied in the 1990’s as a treatment for obesity, but development of early compounds was terminated due to a lack of sustained efficacy in humans for obesity. Subsequent preclinical studies suggested that β1-AR agonists could be repurposed as a treatment for overactive bladder (OAB), and the recent approval of mirabegron confirmed that β1-AR agonists are effective in humans for this indication. Although an early β1-AR agonist from Merck (MK-0634) was successful in the clinic for the treatment of OAB, further development of the compound was halted due to toxicities in preclinical species. A back-up program identified vibecon (MK-4618) as a potential best-in-class β1-AR agonist that addresses many of the liabilities associated with MK-0634 and is currently in Phase 3 clinical trials for the treatment of OAB.

This presentation will describe biology, medicinal chemistry, and clinical development of JANUVIA™ (sitagliptin) and vibecon.

Significant Dates for 64th URS
Deadline for Abstract Submission – March 18, 2016
Abstract acceptance notification – April 4, 2016
Deadline for Symposium Advanced Registration – April 8, 2016

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FREE Registration for student members of the National ACS, faculty mentors who register in advance and sponsors. For non-ACS members and guests, the registration is $35 in advance. On-site registration is $45 for faculty, staff and guests. Checks should be made out to “NY ACS URS” and sent to:
Prof. Paul Sidoris, Queensborough Community College, Department of Chemistry, Science Building S-445, 222-05 56th Avenue, Bayside, NY 11361.
NEW YORK SECTION — MARM 2016


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/advrtse.html

- Early Registration Begins January 2016!

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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
  Ping Furlan: furlanp@usmma.edu
  Urszula Golebiewska: 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 25 and more extensive information on pages 19 and 20.
### Sponsorship and Exhibit Opportunities

**College of Mount Saint Vincent, Riverdale, NY | June 9-12, 2016**

#### Sponsor Categories

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<td>1/4 Page</td>
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*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

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<th>Entity</th>
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*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

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<th>Categories*</th>
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<td>Web logo/link</td>
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*Full payment by April 15, 2016 to be included in the Program. Call for prices for other options.
American Chemical Society's New York Section, Inc.
Middle Atlantic Regional Meeting 2016
http://marmacs.org/2016/

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 your interaction 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,

[Signature]

Dr. Fitzgerald Bramwell
859 338-7591
jerry@emprescience.com

Dr. Urszula Golebiowska
631 252-2105
Golebiowska@gc.cuny.edu

Dr. Ping Furlan
516 726-5793
furlan@usrmma.edu
NEW YORK LOCAL SECTION CELEBRATES NATIONAL CHEMISTRY WEEK

By Dr. Ping Furlan, Dr. Zhaohua Dai, Mrs. Erin Wasserman, and Dr. Scott Lefurgy
National Chemistry Week Project Leaders
New York Local Section

On Sunday, October 16, 2015 from 11 AM to 4 pm, for the 11th consecutive year, around 260 volunteers from 20 area universities, nonprofit organizations, business centers and industries joined in the Local Section’s effort and celebrated 2015 National Chemistry Week at the New York Hall of Science, located in Queens. Through 41 tables of 50 fun-filled hands-on activities, the program showcased the chemical principles relating to “Chemistry Colors Our World!” and demonstrated the values of chemistry in our everyday lives. This year, the section set a record for having the highest number of sponsoring organizations and the highest number of tables of activities. Admission to the New York Hall of Science was once again FREE on the event date from 10-11 AM, allowing the New York Local Section to effectively reach and engage over 1,000 museum visitors, especially students in grades K-8, with this highly interactive outreach program.

In keeping with this year’s theme, a large-screen slideshow with images and animations was created to celebrate the chemistry of light and color, and to highlight the Section’s people and community events. Theme-related activities included “cabbage chemistry”, “traffic light oscillations”, “making your favored colored drinks”, “emulsification of milk”, “rainbow in a glass”, “grow-in-the-dark madness”, “face painting”, “building your own spectroscope”, “art and creamy color”, “how color ensures safe water” and “neon and on and on”. The Section’s exeuctive officers, including the Chair, Dr. Paris Svoronos, and the Chair-Elect, Dr. Alison Hyslop, attended and volunteered at the event.

Inside the Hall of Science, NCW balloons and ACS banners were seen everywhere in the hallway and stairs leading to the Viscusi Gallery where the event took place. At the admission table in front of the Gallery entrance, volunteers welcomed the children and other participants with program brochures and ACS giveaways, ensured they had eye protection and answered questions. During the whole day, the activity tables were crowded and swamped with the enthusiastic museum visitors. Children, parents, and the presenters alike obviously enjoyed their time spent together learning about and exploring the chemistry and science of dyes, rainbows, fireworks, and more. As the volunteers closed down the program, all were pleased with the day and felt gratified for being part of this terrific program. Many agreed – a year in advance – that they would be back for National Chemistry Week 2016!

We would like to extend our warmest thanks to our volunteers as well as the sponsoring colleges, universities, companies and nonprofit organizations. Their enthusiastic support, their strong leadership and community spirit have made the continued success of this largest chemical hands-on public educational event in the area possible:

1. Adelphi University
2. American Institute of Chemical Engineers
3. Barnard College
4. College of Mount Saint Vincent
5. Columbia University
6. Hofstra University
7. International Flavors & Fragrances
8. Maruzen International Co., Ltd.
9. New York University
10. Pace University
11. Pepsi
12. Queens College
13. Queensborough Community College
14. St. John’s University
15. St. Joseph’s College
16. Stern College for Women
17. Stony Brook University
18. The Cooper Union
19. U.S. Merchant Marine Academy
20. New York Hall of Science

(continued on page 22)
NEW YORK LOCAL SECTION CELEBRATES NATIONAL CHEMISTRY WEEK
(continued from page 21)

The captive, enlightening and unforgettable moment.
(Photo courtesy of Alison Hyslop)

The sweetest smile on our youngest chemist brightens up the Chemistry Day.
(Photo courtesy of Erin Wasserman)

Additional Photos from New York Section National Chemistry Week – New York Hall of Science Program
(Photos courtesy of A. Hyslop, P. Furlan, J. Rizzo, R. Ramkellowan, B. Benson, and D. Fong)
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 or from your school guidance office.

Return Application To
Freddie and Ada Brown Award, NJACS Section Office, 49 Pippen Way, Morristown, NJ 07960

Due Date
Completed Applications must be postmarked no later than March 31 Annually

Questions: Contact Jeannette Brown 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 and are due January 1, 2016.

All applicants will be notified by March 1, 2016.

Call for Nominations

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, 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 sup-
If you have any questions or require more information, you may contact Debbie Peru at (732) 878-7295.

Thank you for your consideration.

Sincerely,

Viktor Dubovoy
NYSAS Secretary

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**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 or
67 Matthes Road, Briarcliff Manor, NY 10510

or to: Dr. Peter Corfield at pwrc@earthlink.com.

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**2016 GOLD MEDAL AWARD THE SOCIETY FOR APPLIED SPECTROSCOPY — NEW YORK SECTION**

Nominations are being sought for the 2016 Gold Medal Award of the New York Section of the Society for Applied Spectroscopy. This coveted award was established in 1952 to recognize outstanding contributions to the field of Applied Spectroscopy. The Gold Medal will be presented at a special award symposium, arranged in honor of the awardee, at the 2016 Eastern Analytical Symposium. A nominating letter describing the nominee’s specific accomplishments should be submitted along with a biographical sketch and list of publications by January 10th, 2016. Please email all materials to Debbie_Peru@colpal.com or mail to Deborah A. Peru, Colgate Palmolive Co., 909 River Road, Piscataway, NJ 08855.

This announcement and contact information is also available on our website www.nysas.org

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**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@mountsaintvincent.edu
or
Daniel.amarante@mountsaintvincent.edu
The Registration Committee today announced that conference registration 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 to see complete information.

Registration Chairman Brian Strohmeier commented, “Pittcon continues to be an excellent return on investment for our conferees offering an unequaled 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 or http://pittcon.org/register to get more information and to register.
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