

Sara Skrabalak
Recipient of the 2015
Baekeland Award from
the NoJ Section of ACS



See article on page 5 and program on page 6.

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THIS MONTH IN CHEMICAL HISTORY

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

When you next walk into your/any chemical laboratory give a thought to how it came to look that way. I don't mean the clutter on the benches and in the hoods, the overflowing waste baskets, the careless disarray of papers and notebooks! I mean the design, the basic layout, the "bones" of the laboratory space. I have just been reading a marvelous 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, I believe, the first book length examination of the history of the chemical laboratory.

Morris uses exemplary laboratories from the 1590s to the 2000s as pegs on which to hang his story of laboratory development. To quote from his Introduction: "As a historian and curator I believe that the history of chemistry has to be more than just the history of chemical theories; it has to include the history of chemical practice and chemical culture." The prototypes of the chemical laboratory are reflected in a reconstruction of an alchemical laboratory based on contemporary documentation of the sixteenth century at Schloss Weikersheim in Germany. This laboratory of Wolfgang von Hohenlohe looks quite different from the engravings and paintings of alchemical laboratories of the sixteenth and seventeenth centuries. Those works of art, Morris argues, were mostly propaganda from the opponents of alchemy. Comparing them with illustrations in the metallurgical handbooks of Agricola and Ercker indicates how artists exaggerated the clutter and confusion of the alleged alchemical laboratories. The correct picture was probably a good deal more orderly.

We know a lot about the laboratory of Antoine Lavoisier in the 1780s from the detailed pictures drawn by Madame Lavoisier to illustrate her husband's articles and books. Lavoisier was a wealthy member of the French upper classes, though not a nobleman. He engaged in chemistry because it was his passion, and he could afford to purchase and have built some of the best chemical apparatus and instruments available in his day. His stress on quantitative measurement led him to order the best available balances. After Lavoisier's arrest, during the reign of terror after the French Revolution, his equipment was confiscated by the Republic. After his execution the persistent and effective representations of his widow eventually led to the restoration of most of Lavoisier's personal belongings to her. You can see a reconstruction of Lavoisier's laboratory with much original equipment in Paris at the Musee des Arts et Metiers.

One of the strongest features of this book is the excellent collection of over 130 illustrations of laboratories through the ages. In an upcoming column I will be saying more about this instructive monograph.



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January 2016	November 20, 2015
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Address advertising correspondence to Advertising Manager. Other correspondence to the Editor.

November Calendar

NEW YORK SECTION

Thursday, November 5, 2015
Chemical Marketing & Economics Group
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Thursday, November 5, 2015
Long Island Subsection
See page 10.

Tuesday, November 10, 2015
New York Nanoscience Discussion Group
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Wednesday, November 11, 2015
Westchester Chemical Society
See page 11.

Friday, November 20, 2015
New York Section Board Meeting
See page 10.

also

Thursday, December 3, 2015
Brooklyn Subsection
See page 12.

Thursday, December 3, 2015
Long Island Subsection
See page 12.

Tuesday, December 8, 2015
Biochemical Topical Group
See pages 12-13.

**Wednesday, December 9, 2015; and
Early February 2016**
Westchester Chemical Society
See pages 13-14.

Tuesdays, February 2 and April 19, 2016
New York Nanoscience Discussion Group
See pages 14-15.

Saturday, February 6, 2016
HS Poster Contest
See page .

Thursday-Sunday, June 9-12, 2016
MARM 2016
See page .

NORTH JERSEY SECTION

Monday, November 9, 2015
Careers in Transition
See page 7.

Monday, November 16, 2015
North Jersey Executive Meeting
See page 7.

also

Thursday, December 3, 2015
Organic Topical Group
See page 8.

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

Date to be determined
NMR Topical Group - 4th Annual NMR
Symposium
See page 9.

**Deadline for items to
be included in the
December 2015 issue
of *The Indicator* is
October 20, 2015**

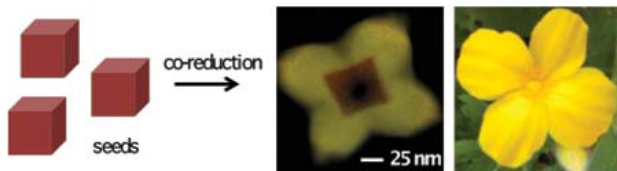
***The Indicator* is posted to
the web on the 15th of the
previous month at
www.TheIndicator.org**



2015 Baekeland Awardee

Sara E. Skrabalak


Seeding a New Kind of Garden: Synthesis of Symmetrically Stellated Bimetallic Nanocrystals



Branched gold-based nanoparticles are ideal platforms for plasmon-enhanced surface spectroscopies to which the introduction of a second metal can impart multi-functionality in catalysis and chemical sensing. However, most examples of stellated nanostructures are asymmetric, with branches randomly distributed from the cores of the nanoparticles. As revealed from single particle light scattering measurements, small deviations in architecture can give rise to variable properties from one particle to the next. However, as we demonstrate in a model Au-Pd system, symmetrically branched Au/Pd nanocrystals including five-branched pentapods with D_{3h} symmetry, 24-branched nanocrystals with O_h symmetry, 12-branched nanocrystals with T_d symmetry, and eight-branched octopods and bowties with O_h and D_{4h} symmetry can be synthesized selectively. These structures are achieved by seed-mediated co-reduction wherein the shapes of the seeds direct the number and symmetry patterns of the branches. Compositional boundaries often exist at the interfaces between the seed and overgrowth metals to provide visualization via advanced electron microscopy of the relationships between seed structure and the symmetry of branched nanocrystals. From these emerging synthetic guidelines, a route to metal dendrimers, hierarchically branched nanocrystals with three-dimensional structures analogous to molecular dendrimers, is also demonstrated. This talk will conclude with a discussion of bimetallic nanocrystals for chemical sensing.

Dr. Sara Skrabalak received her B.A. in chemistry from Washington University in St. Louis in 2002 where she conducted research with Professor William E. Buhro. She then completed her Ph.D. in chemistry from the University of Illinois at Urbana-Champaign in fall of 2006 under the tutelage of Professor Kenneth S. Suslick, followed by postdoctoral research at the University of Washington – Seattle with Professors Younan Xia and Xingde Li. She is the James Rudy Associate Professor of Chemistry at Indiana University – Bloomington and a recipient of both NSF CAREER and DOE Early Career Awards. She is a 2012 Research Corporation Cottrell Scholar, a 2013 Sloan Research Fellow, a 2014 Camille Dreyfus Teacher-Scholar, and recipient of the 2014 ACS Award in Pure Chemistry and 2015 Baekeland Award. Her research group focuses on nanomaterial design and synthesis (<http://www.indiana.edu/~skrablab/>).

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American Chemical Society North Jersey Section 2015 Baekeland Award Symposium



Friday, December 4, 2015 • 12:00 noon – 6:00 pm

Fiber Optics Auditorium

Rutgers, The State University of New Jersey • 101 Bevier Rd • Piscataway, NJ 08854



The North Jersey Section of the American Chemical Society established the Baekeland Award in 1944 to commemorate the technical and industrial achievements of Leo Hendrik Baekeland and to encourage younger chemists to emulate his example. The award is presented biennially to a United States-based chemist under 40 years of age in recognition of accomplishments in pure or industrial chemistry, as characterized by the initiative, creativeness, leadership, and perseverance of the individual and indicated by published or unpublished evidence.

Agenda

- 12:00 Registration / Snacks
- 12:30 **Welcome Address**
Dr. Luciano Mueller, Baekeland Symposium Chair
- 12:40 **Prof. Christopher B. Murray**
Preparation and Properties of Strongly Coupled Nanocrystal Superlattices: From Artificial Atoms to Mesoscale Quantum Solids
- 1:30 **Prof. Kenneth S. Suslick**
The Optoelectronic Nose: An Adventure in Molecular Recognition
- 2:20 **Prof. Amy L. Prieto**
Nanoparticles of Earth Abundant Materials for Applications in Potovoltaics: Linking Surface Chemistry to Transport Properties
- 3:10 Break / Refreshments
- 3:40 **Prof. Trevor Douglas**
Biological Approaches to Materials Synthesis
- 4:30 **Baekeland Award Presentation**
Dr. Ron Kong, NJ-ACS Section Chair
- 4:40 **Keynote: Prof. Sara E. Skrabalak**
Seeding a New Kind of Garden: Synthesis of Symmetrically Stellated Bimetallic Nanocrystals
- 5:30 **Closing remarks**
Dr. Les McQuire, NJ-ACS Awards Chair

Speakers



Sara E. Skrabalak, PhD
Indiana University
Keynote Speaker 2015 Baekeland Award Winner



Christopher B. Murray, PhD
University of Pennsylvania



Kenneth S. Suslick, PhD
University of Illinois



Amy L. Prieto, PhD
Colorado State University



Trevor Douglas, PhD
Indiana University



Registration Fee: \$15 professionals; \$5 students, retirees, unemployed
Online registration required by November 25, 2015 at www.njacs.org/baekeland due to limited seating
Sponsor: Bristol-Myers Squibb & Dow

www.njacs.org **Questions?** Contact Dr. Luciano Mueller (luciano.mueller@bms.com), Chair of the Baekeland Award Committee
Organizing Committee: Luciano Mueller (Chair), Alan Cooper, Jackie Erickson, Bettyann Howson,
Ron Kong, Diane Krone, Les McQuire, Monica Sekharan, Bill Suits

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, November 16, 2015

Times: Dinner 6:15 PM

Executive Meeting 6:30 PM

Place: Rutgers University
Center for Advanced
Biotechnology and Medicine
679 Hoes Lane West
Piscataway, NJ

For reservations please call (732) 463-7271 or email chemphun@gmail.com prior to **Wednesday, November 11, 2015**.

Dinner cost is payable at the door; however, if you are not able to attend and did not cancel your reservation, you are responsible for the price of your dinner.



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, November 9, 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

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 billsuits@earthlink.net.

See 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 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.

*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)

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:

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NoJ CHROMATOGRAPHY TOPICAL GROUP

North Jersey Chromatography Group (NJCG) hosted its 2015 Symposium on Thursday, September 17, 2015 at Double Tree Hotel, Somerset, New Jersey. The Symposium attracted an audience of more than 70 industrial and academic chromatographers, including graduate and undergraduate students, to enjoy hot topics on fast separation – new column technology, instrumentation, and applications. The Symposium was composed of five oral presentations, seven posters, and eleven vendor's exhibitions. Dr. Najjun Wu of Celgene, 2015 Chair of NJCG, started the event with a brief introduction to NJCG and followed with Dr. Luciano Mueller, NJ-ACS Chair-Elect's introduction to NJ-ACS. After four oral and seven poster presentations, Dr. Christopher Welch of Merck gave a keynote speech (Picture) on Pushing the Speed Limit: Fast Chromatographic Separations for High Throughput Analysis. Dr. Mirlinda Biba of Merck, NJCG Chair-Elect, concluded the Symposium with a closing remark. If you would like to get involved in NJCG, or have questions, comments or suggestions, please visit the NJCG web site at <http://www.njcg.org> or send an email to njcg1234@google.com.



Dr. Christopher Welch of Merck is giving a keynote speech at the 2015 NJCG Symposium.

(Photo courtesy of Najjun Wu)

New York Meetings

www.newyorkacs.org

NEW YORK SECTION BOARD MEETING DATES FOR 2015

The dates for the Board Meetings of the ACS New York Section for 2015 have been selected and approved. The meetings are open to all – everybody is welcome. All non-board members who would like to attend any (or all) 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 2015 Board Meetings will be held on the following dates at St. John's University, 8000 Utopia Parkway, Jamaica, NY. Dr. Paris Svoronos 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.

Friday, November 20, 2015

More information will be posted in future monthly issues of *The Indicator* and on the New York website at

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



CHEMICAL MARKETING & ENGINEERING GROUP

Mergers and Acquisitions Outlook

Speaker: Adam Abramson
Managing Director
Deutsch Bank

Date: Thursday, November 5, 2015

Time: 11:40 AM - 2:00 PM

Place: The Penn Club
30 W44th Street
New York, NY

For more information, go to our website,
www.cmeacs.org



LONG ISLAND SUBSECTION

Semiconductor Nanostructures for High Efficiency Artificial Photosynthesis

Speaker: Mingzhao Liu, PhD
Center for Functional
Nanomaterials
Brookhaven National Laboratory

Driven by a strong desire for clean and renewable fuel, effective methods of Hydrogen (H₂) production have been sought after for a long time. Solar water splitting within a photoelectrochemical (PEC) cell, also known as artificial photosynthesis, has been the most promising method since 1972, when Fujishima and Honda discovered the photolysis of water over a TiO₂ electrode under UV radiation. To date the key problem remains how to maximize the solar-to-fuel conversion efficiency using low-cost, earth abundant materials. The seminar will be based on our recent work on using nanostructured semiconductor photocatalysts for high efficiency water splitting, with particular emphasis on the core/shell structures, in which one can optimize the bulk light absorption and interfacial carrier transfer processes independently. The talk will also cover our newly developed time-resolved spectroscopic techniques for operando studies of nanostructured photocatalyst at well controlled PEC conditions, which enables us to directly assess the carrier dynamics during solar water splitting at unprecedented ultrafast picosecond timescale.

Date: Thursday, November 5, 2015

Times: 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>

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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, November 10, 2015
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

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

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



WESTCHESTER CHEMICAL SOCIETY

**Special Seminar – “Hydrogen Bonding
in Redox and Nanoparticle
Construction”**

Speaker: Marc A. Walters, PhD
Department of Chemistry
New York University
New York, NY

Early nanoparticles for MRI angiography were constructed of silver or gold nanoparticles that supported active functional groups on their surface. Today nanoparticles for MRI and diverse biomedical applications and materials are constructed largely of non-metallic inorganic matrices, organic polymers, and gels. This talk will describe the formation and characterization of

nanocapsules and gels in reverse micelles that form with the use of hydrogen bonding cationic surfactants that are paired with anionic monomers. The monomers are polymerized to form hyperbranched nanoparticles within the reverse micelle compartment. The resulting hyperbranched structures are uniform and stable under ambient conditions. They are cost effective to produce and suitable for numerous applications where the aim is the transport, slow release, or protection of molecules in the capsule or gel interior. This class of nanoparticle is synthetically accessible to non-specialists and can therefore serve to expand nanoscience in unique new directions.

Marc A. Walters is a graduate of City College (City University of New York). He earned his PhD in Chemistry from Princeton University and followed this with an NIH Postdoctoral Fellowship at the Massachusetts Institute of Technology. Since then he has been a professor in the Chemistry Department of New York University. He also did a one-year stint as an associate professor at the Université de Toulouse. He has been chair of the NY Section of ACS and currently chairs its Government Affairs Committee.

Date: Wednesday, November 11, 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

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.

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.



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

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>



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

GLP-1 Treatment for Metabolic Disease and Beyond

Organizers: Mercedes Beyna, MS
Pfizer

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 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

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. To become a Member of the Academy, visit www.nyas.org/benefits



WESTCHESTER CHEMICAL SOCIETY

Future Meetings

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, Place, Cost and Further Information: See information under November meeting on page 11.

(continued on page 14)

WESTCHESTER CHEMICAL SOCIETY

(continued from page 13)

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 11.



NY INORGANIC TOPICAL GROUP

2015 Frontiers of Inorganic and Organometallic Chemistry Lecture Symposium and ION Poster Session Presented by the Inorganic and Organometallic Topical Group

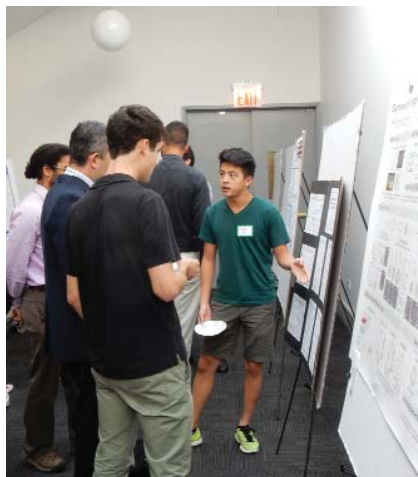
The Inorganic and Organometallic Topical Group hosted the fourth annual Frontiers of Inorganic and Organometallic Chemistry lecture symposium and the ION (Inorganic, Organometallic, Nanoscience) Poster Session on Friday, September 18, 2015 on the campus of Columbia University. The event attracted an audience of more than 60 academic and industrial chemists, including graduate and undergraduate students, to hear about current inorganic chemistry research in the NY area.

Symposium presenters included Xavier Roy (Columbia University), Maria Contel (Brooklyn College), Michael Williams (Merck), and Jenny Lockard (Rutgers University). Timothy Warren (Georgetown University) delivered the keynote address entitled “Copper Catalyzed C-H Functionalization: Method Development via Enabling Intermediates”. Inorganic Topical Group co-chairs James Camara and Kathleen Kristian served as session chairs.

The second annual ION Poster Session featured informal poster presentations by graduate and undergraduate students from institutions within the NY Local Section. The poster session was generously sponsored by Merck.

The Inorganic and Organometallic Topical Group is committed to supporting the mission of NY-ACS by providing programming to encourage the formation of a strong scientific community through lectures, symposia, and other events on all topics related to Inorganic and Organometallic Chemistry. If you would like get involved, or have questions, comments or suggestions, please visit the NY ACS web site and contact the chairs.

Presenter Jonathan Kuo of Columbia University speaks with Michael Williams of Merck (right).



Speakers and NY Local Section chemists enjoy poster presentations at the 2015 ION Poster Session (left).

(Photos courtesy of Kathleen Kristian)



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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 flyer on page 23.



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

Daniel Amarante: 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

Sujun Wei: 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

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 below and more extensive information on pages 17 - 19.

Call for Volunteers

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

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



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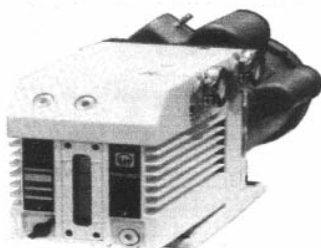
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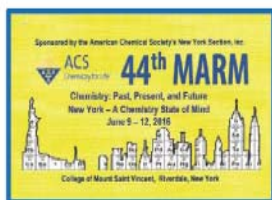
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American Chemical Society's New York Section, Inc.
Middle Atlantic Regional Meeting 2016
<http://marmacs.org/2016/>

Exhibits/Sponsorship Chairs

Ping Furlan
(516) 726-5783
pfurlan@usmma.edu

Urszula Golebiewska
(631) 252-2106
UGolebiewska@qcc.cuny.edu

Fitzgerald Bramwell
(859) 338-7591
jerry@empirescience.com

General Chairs

Pamela Kerrigan
Pamela.kerrigan@Mountsaintvincent.edu

Daniel Amarante
Daniel.amarante@Mountsaintvincent.edu

Program Chairs

Paris Svoronos
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Paul Sideris
PSideris@qcc.cuny.edu

Paul Tukey
paul@tukey.org

**ACS Meeting
Planning Partner**
Kimberly Savage
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 work 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

Dr. Urszula Golebiewska
631 252-2106
UGolebiewska@qcc.cuny.edu

Dr. Ping Furlan
516 726-5783
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 raffia. 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 logo/link	\$500
Program ¼ page with web logo/link	\$300
Program business card with web logo/link	\$125
web logo/link	\$45

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



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 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 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-

porting documentation, to the Chair of the Committee, Dr. John B. Sharkey, at 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 or
67 Matthes Road, Briarcliff Manor, NY 10510

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

Call for Volunteers

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 and visit our website at 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 Rossmeisl. 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.

Call for Abstracts

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

GLP-1 Treatment for Metabolic Disease and Beyond

This symposium highlights emerging science for GLP-1 in the preclinical and clinical

(continued on page 22)

BIOCHEMICAL TOPICAL GROUP

(continued from page 21)

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 with the words "Abstract Information" in the subject line. The deadline for abstract submission is **November 6, 2015**.

National

2016 LEADERSHIP INSTITUTE

Dear Local Section Officer:

The 2016 ACS Leadership Institute, which will include local section and division officer training, is planned for **January 22-24, 2016** in Dallas, Texas. The Institute will be held at the Dallas InterContinental Hotel beginning Friday at 1:30 PM and concluding at 11:00 AM on Sunday. A special optional networking lunch will be available for early arrivals at 12:00 Noon on Friday; and on Sunday following the conclusion of the Institute, an optional Strategy Café (including lunch) will be held at approximately 1:00 PM.

The goal of the Leadership Institute is to provide the training you need to be a successful leader. This jam-packed weekend includes track time so you can understand the essential elements of being an effective leader, along with an opportunity to interact and exchange ideas with other local section and division officers and ACS governance.

On Saturday, participants will have the opportunity to take ACS Leadership Development System courses that will help to develop core leadership skills important in ACS leadership roles, as well as in the workplace. To preview the courses that will be offered, visit the ACS Leadership Development System website.

The 2016 Leadership Institute is intended for 2017 local section and division chairs. If the chair-elect is unavailable, consider sending another officer from your group to

join us at this acclaimed training event. Registration will open on November 1, 2015 and an announcement will be sent with instructions.

Details of the conference are:

- Registration opens early November. Instructions will be sent prior to the opening.
- Registration fee is \$425.00 per person which covers meals, conference materials, and two nights lodging.
- Local sections may send more than one delegate. Cost for the second and any additional participants is \$800.00 per person which covers meals, conference materials, and two nights lodging.
- Should you need to arrive earlier or extend your stay, you may request that when completing the form but you or your local section will be responsible for the cost of additional room nights.
- Cost of the additional room night is \$179.00 plus 6% tax for each night.
- You will need to arrange for transportation to the Intercontinental Hotel upon your arrival in Dallas. Past experience has shown us that pre-arranged airport shuttles for the Leadership Institute attendees is not efficient and causes significant delays in arriving at the conference. As we get closer to the Institute we will look for opportunities to assist you with linking up with other Institute attendees to share a ride/taxi to the hotel.
- ACS will cover the cost of your transportation from the Intercontinental Hotel to the airport on Sunday.

For additional information, please contact Cheryl Brown at c_brown@acs.org.

We hope to see your local section represented.



21ST ANNUAL HIGH SCHOOL POSTER SESSION

The New York Section of the American Chemical Society
and St. Joseph's College present
The 21st Annual High School Research Poster Session
at St. Joseph's College, Brooklyn NY
on Saturday, February 6th, 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. Professionals willing to be a judge, contact Rhomesia Ramkellowan (Event Coordinator) at 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.*

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There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net
- <http://newyorkacs.org/jobs.html>
- <http://njacs.org/jobs.html>



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