

CINTACS



Newsletter of the Cincinnati Section of the American Chemical Society

December, 2014
Vol. 52 No. 3

Section Calendar

Upcoming Events

December 10	Joint meeting with NOBCChE, Xavier
January 15	"Chemistry and Art" Cincinnati Museum Center
February 12	"Nanomedicine", Mt St Joseph U
March	Chemist of the Year Venue TBD
Mar 22-26	Spring National ACS Meeting, Denver, CO
April 15	Teacher and Student Awards, Northern Kentucky University

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December Joint Meeting with NOBCChE

Wednesday, December 10, 2014

Conaton Board Room,
Room 201 Schmidt Hall,
Xavier University

December's joint meeting with NOBCChE will be held on Wednesday, December 10, at Xavier University.

The meeting will feature a talk by Kristin Williams. Kristin graduated with a BS in Chemical Engineering from North Carolina State University in 2002 and currently works as principal engineer at P&G where she does upstream research for fabric and home care. The title of Kristin's talk is "From idea to shelf: Navigating obstacles in the fast moving consumer goods industry".

Meeting Program:

5:30-6:00 Board Meeting (Room 201 Hinkle Hall)
6:00-7:00 Registration and Social Hour
(Conaton Board Room)

7:00-8:00 Dinner

For registration and menu options, go to
<http://www.acscincinnati.org/meetings/meetings.php>

8:00-9:00 Speaker: Kristin Williams,
Procter and Gamble

THE CINTACS NEWSLETTER**Vol. 52, No. 3 December 2014**

Editor.....Adam Bange

CINTACS is published eight times a year (September through May) by the Cincinnati Section of the American Chemical Society. The submission deadline will be approximately December 25 for the January 2015 issue. Electronic submission is strongly preferred. All materials should be sent to:

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From the Chairs

Happy Holidays to all of the members of the ACS Cincinnati Section and of the Cincinnati Chapter of NOBCChE! (This month's newsletter intro is co-authored by the current leaders of each organization.)

We had an extremely active month of October. Atiya Jordan-Brown and Jackie Thomas organized events during National Chemistry Week, Oct. 19-25. Also the Oesper Symposium and Banquet took place on Friday, October 24th at the Tangeman Center at the University of Cincinnati. This year's Oesper awardee was Professor Isiah Warner of Louisiana State University, a luminary in analytical chemistry and mentor of scores of undergraduate and graduate students, postdocs and fellow junior colleagues. It was wonderful to see Professor Warner's outstanding career recognized by this well-deserved award. Professor Warner's presentation on his group's recent research culminated the all-day symposium. Both the symposium and banquet were very well attended, and a record 84 posters were presented at the Oesper poster session.

This month the Cincinnati Section will co-host, with NOBCChE, the December meeting at the Conaton Board Room at Xavier University: On December 10th, Kristin Williams of Procter & Gamble will give a presentation entitled, "From idea to shelf: Navigating obstacles in the fast-moving consumer goods industry." Immense thanks to Drs. Kemal Catalan, President of the NOBCChE Cincinnati Chapter, and Diane Parry, President-Elect of the Society for Applied Spectroscopy, for helping to arrange Kristin's presentation.

Bruce Ault, Beth Reno and Diana McGill have been working diligently to update the ACS Cincinnati Section's bylaws. The proposed (revised) bylaws were approved by the section's executive committee on Sept. 23rd and have now been disseminated to the section membership. Approval of the revised bylaws will be formally voted on during the Dec. 10 meeting.

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The featured speaker for the evening is Kristin Williams. Kristin is a Research & Development Principal Engineer for Upstream Technology in Fabric and Home Care at Procter and Gamble. In her 12 years at Procter and Gamble, she has led many technology developments and new product launches within Research & Development with specific expertise in expertise developing regulated products such as Class 1 medical devices, managing Board of Health and EPA registrations. Her expertise includes liquid formula development, polymer, solids, and powders handling, processing and formulation. She has multiple patents and pending patent application ranging from Methods of Making Fiber Confectionaries Technology to Deodorizing Unwashable Sports Equipment.

Kristin received her BS in Chemical Engineering from North Carolina State University, in 2002. She and her husband (also NCSU ChE 2002) have 2 children. Her hobbies include running, reading, and applying her chemical expertise to developing new recipes. While attending NC

State, one of the defining moments in her college career was when she decided to apply for and being awarded the National Science Foundation Engineering Fellowship.

She is a member of the Procter & Gamble African American Leadership Team and is a passionate leader of New Employee Mentoring Programs. She is also the regional leader for N.C. State Park Scholarship Selection Committee.

From idea to shelf: Navigating obstacles in the fast moving consumer goods industry

Abstract: Developing consumer products could be the dream of any chemist or chemical engineer, especially one that gets to develop and test new ideas in the Research & Develop division of a large consumer products company. There are chemists and chemical engineers who go into business sectors that develop and produce raw materials and specialty chemicals such as dyes, perfumes, and raw surfactants etc. Then there are chemists and chemical engineers who get to turn those raw materials and specialty chemicals into consumer products that consumers use and sometimes can't live without like laundry detergent or your favorite bodywash. Ask just about any scientist and they will likely tell you that they have always been a tinkerer. I have also always been a tinkerer, not so much a mechanical tinkerer – my mechanical inclination is not the greatest, but I love and have always loved tinkering around the kitchen experimenting with new recipe ideas and improving on some classics. In my profession I tinker with consumer product ideas as I attempt to bring them to fruition by learning the pitfalls of certain chemical and combinations, how to produce those chemicals effectively, and how communicate the benefits of your idea(s) to professional colleagues and ultimately to the consumer to deliver a winning product and business proposition. My career at Procter and Gamble has been largely based on my technical aptitude and curiosity but just as important as technical savvy is the ability to effectively communicate technical information non-technical counterparts so that ultimately the best overall product technology is delivered to market.

The majority of research and development ideas do not make it out of the labs and corridors of Procter & Gamble, or any consumer products company. A 2008 study on innovation in the consumer products industry showed that for every 21 product concepts explored only 1 product is actually launched. The challenge to create new consumer winning propositions increases each year with a wide variety of products entering the market and competing for space on the shelf and in a consumer's house. So being successful in consumer product research & development means continuously finding new ideas to fill an unmet consumer need and implement the new consumer product ideas in ways to create value for the business. During this discussion I will bring to life some examples of bringing new consumer product technologies to market, and reflect on some strategies employed and experiences gained as I've navigated the every changing consumer products market place.

Local Section supports Lighthouse Community School

Our section provides two opportunities each year for K-12 schools to apply for education grants that will be used to fund programming that improves chemical education in the local area served by CINTACS. Our latest successful recipient, Lighthouse Community School, is dedicated to educating youth in the foster care system, youth diagnosed with emotional disturbances, and they specialize in drop-out recovery/prevention. A division of Lighthouse Youth Services, Lighthouse Community School's fundamental mission is advancing the dignity and well-being of children, youth and families in need. They seek to provide students with independent living, life, and social skills to those who experience crises that significantly interfere with their academic progress in a traditional school setting. Inquiry-based learning through experimentation is a way to develop critical thinking skills, which will serve students later in life.

Lighthouse Community School is launching a comprehensive chemistry course and adding to their interactive physical science course. They currently offer an on-line chemistry class with no instructor or experimentation. With the addition of the instructor-led chemistry class to their master schedule, they can offer a flexible, inquiry-based experience in the classroom.



October 30, 2014

Gloria Story
Procter & Gamble
Mason Business Center
8700 Mason-Montgomery Road
Mason, OH 45040

Dear Ms. Story:


On behalf of Trustees, staff and clients that we serve, thank you for your generous K-12 Education Grant from the Cincinnati Chapter of the American Chemical Society of \$1,000.00 (received 10/24/2014) to support the chemistry program at Lighthouse Community School.

Lighthouse Community School takes great pride in employing unconditional positive approaches to foster a safe, stable community that develops effective social skills and enhances academic progress.

This is only one of the many services Lighthouse provides to over 5,000 children, teens, and families each year. In our 45 years of service, Lighthouse has consistently fostered a caring environment that places youth and families first. Chief among our values is the belief that young people can learn to make positive changes in their lives. Your gift affirms that belief.

Thank you again for your generosity!

Sincerely,


Robert C. Mecum
President & CEO

Thanks again - How nice of you group to do this - TB

Nominations for Cincinnati Chemist of the Year and Research Associate of the Year

Recognize your colleagues and co-workers for their outstanding contributions to our field. Please submit a nomination for Cincinnati Chemist of the Year or Research Associate of the Year. The nomination deadline is Friday, December 19.

The Chemist of the Year should hold a terminal degree and must be a member of the Cincinnati section of the ACS. A nomination requires two letters of recommendation and the nominee's CV.

The Research Associate of the Year must be or have been a practitioner within the chemical discipline, but ACS membership is not a requirement. A nomination requires a letter of recommendation; CV and additional documentation are optional, but appreciated.

Electronic submission is greatly preferred. Nomination materials should be sent to:

Mike Weaver

weaver.mr@pg.com

P&G Mason Business Center

8700 S Mason-Montgomery Rd

Mason, OH 45040

Mark Your Calendar for the Next Younger Chemist Committee Event



Planning is underway for the next Younger Chemist Committee event on Tuesday, October 7, at 7 PM. Learn techniques to make your science come alive to scientists and nonscientists in interviews, presentations, and networks. The ACS Program in a Box webcast session titled "Speaking Simply: Communicating Your Science" features Douglas Dollemore and Darcy Gentleman from the ACS Office of Public Affairs. Location to be announced. Contact [Vanessa Frost Barnes](mailto:Vfrostbarnes@markes.com) (Vfrostbarnes@markes.com) for more information.

The Awards Committee of the upcoming 2015 Joint Great Lakes/Central Regional Meeting of the ACS seeks nominations from the Great Lakes and Central Regions for the following:

The E. Ann Nalley Regional Award for Volunteer Service to the American Chemical Society

Purpose: To recognize the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their regional activities.

The ACS Regional Award for Excellence in High School Teaching

Sponsor: Division of Chemical Education

Purpose: To recognize, encourage, and stimulate outstanding teachers of high school chemistry in the ACS Regions.

The Stanley C. Israel Regional Award for Advancing Diversity in the Chemical Sciences

Sponsor: ACS Committee on Minority Affairs

Purpose: The Stanley C. Israel Regional Award recognizes individuals and/or institutions who have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the region.

For additional information about each award, and to submit nominations, please visit the Meeting website at www.jglcrm2015.com and click on the “Awards” tab. Don't delay! The deadline to submit nominations is Monday, December 15, 2014!



Kolthoff Travel Award

Applications Now Being Accepted

Deadline: December 15, 2014

I. M. Kolthoff Enrichment Awards for Undergraduate Students

Applications are invited for the 2015 I. M. Kolthoff Award for undergraduate research in analytical chemistry. The I.M. Kolthoff Award is given annually to deserving undergraduates who have done undergraduate research in the field of analytical chemistry, broadly defined, in celebration of the life and accomplishments of the late [Professor Izaak Maurits Kolthoff](#), viewed by many as the father of modern analytical chemistry.

The Kolthoff awards provide travel funding up to \$750 for undergraduate students to present a poster on their undergraduate research this year at either PITTCON 2015 (March 8-12, 2014; New Orleans, LA) or the Spring ACS National Meeting & Exposition (March 22-26; Denver, CO). 2-3 awards will likely be made between the two meetings. Students presenting at the Spring ACS National Meeting are encouraged to present in the Analytical Division poster session.

Preference will be given to undergraduate chemistry majors with strong academic records who have made significant research contributions in the analytical sciences for whom this would be their first national meeting presentation and who have access to limited other support mechanisms.

Directions

A completed application consists of the completed application form (this form), a copy of the abstract submitted for presentation at either PITTCON 2015 or the Spring 2015 ACS National Meeting, and a nomination letter, written by the student's undergraduate research advisor. The nomination letter should be submitted directly by the student's advisor via E-mail to Professor Kim Frederick (kfreder1@skidmore.edu). The subject line of the email should state "Letter of Recommendation on Behalf of [Student's Name] for Kolthoff Award." All applications and nomination letters must be submitted in electronic form to Professor Kim Frederick, Chair of the DAC Education Committee. The deadline for submission of completed applications for the I.M. Kolthoff Award for consideration for the 2015 competition will be December 15, 2014. Please direct all questions to Kim Frederick (kfreder1@skidmore.edu)

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