Joint ACS Delaware/Chem Vets Lecture

Robert F. Margolskee, M.D., Ph.D.
Director and President, Monell Chemical Senses Center

How the Chemical Senses Shape Health and Nutrition

Tuesday, September 18, 2018
6:00 pm to 8:00 pm
DuPont Country Club

For information on section activities visit our web site at:

www.delawareacs.org
Theme: Chemistry is out of this World
Date: Saturday, November 3, 2018
Time: 12:00 – 4:00 PM
Location: The Independence School, 1300 Paper Mill Road, Newark, DE 19711
Contact: Maggie Schooler at schoolermj@gmail.com or 302-753-5799

Come celebrate National Chemistry Week as we discover why Chemistry is out of this World! Join us for a day of discovery, hands-on science experiments, and chemistry demonstration!

Celebrating Chemistry:
The Celebrating Chemistry publication is designed to engage and educate children in the basic principles of chemistry and is available in both English and Spanish. This National Science Education Standards-aligned hands-on activity publication for elementary school students highlights multiple, fun experiments that can easily be done right in your own kitchen or backyard.

K-12 Contest:
The National illustrated poem contest will focus on this year’s NCW theme. Participants are encouraged to illustrate concepts related to the topic. The illustrated poems relate to common applications of chemistry that people might not normally think is related to chemistry. More information will be available on our website (www.delawareacs.org) by September 1st. Prizes will be available at the event.

Each year National Chemistry Week reaches millions of people with positive messages about the contributions of chemistry. Join in the celebration of NCW 2018! Visit www.acs.org/ncw for more information.

National Chemistry Week is a program of the American Chemical Society’s Department of Volunteer Support.
Hi, I’m Martha Hollomon, Councilor and Interim Chair of the Delaware Section (Chair 2002). As Piril Ertem alluded to an exciting career transition in the last Chair’s Column, she accepted a postdoctoral position at the University of Minnesota and left Delaware at the end of April. We are grateful for the time she served as Chair.

Most schools have started. The Delaware Section is geared up for the fall season filled with numerous activities. Once again, the Delaware Section will have a joint meeting with our senior chemists group called the ChemVets. We will have two celebrations in October. We will celebrate the achievements of Dr. Xinqiao Jia, University of Delaware, during our Awards Dinner. (This Awards Dinner was postponed from March 21st due to a snowstorm.) Later in October, we will be celebrating the Delaware Section’s 100th Anniversary and recognize our 50-, 60-, and 70-year ACS members. In November, we will celebrate National Chemistry Week 2018 with the theme “Chemistry is out of this World” at The Independence School. We will also attend the 30th annual Ullyot Public Affairs Lecture at the Science History Institute. This event is presented jointly by the Science History Institute, the Department of Chemistry – University of Pennsylvania, the Department of Chemistry & Biochemistry – University of the Sciences and the Delaware Local Section and Philadelphia Local Section of the American Chemical Society.

Hope to see you at these fall events.

Martha Hollomon
A total of 193 valid votes (14.1% of 1367 total) and 3 abstentions were received.

Results are as follows.

Chair Elect (2019):
Yujie (UJ) Liu

Secretary (2019):
Julie Brady

Councilor (2019 - 2021):
John Gavenonis
Martha Hollomon

Director (2019-2021):
Giang Vo

Call for Nominations for Section Officers and Councilors

The Delaware Section of the American Chemical Society is looking for candidates for local section officers to run in the May 2019 elections. The terms would begin January 2019. If you or someone you know is interested in running for the following positions, please contact 2018 Interim Chair Martha Hollomon by email at drmhollomon@gmail.com or 2019 Chair Robert Mishur by email at rjmishur@widener.edu. The deadline for submission of materials is March 1, 2019.

The positions that are open include:

- Chair…………………………………………….1 year term
- Chair Elect…………………………………………….1 year term
- Secretary………………………………………………1 year term
- Director……………………………………………….3 year term
- Councilors………………………………………………3 year term
- Alternate Councilors………………………………3 year term

Job descriptions can be found at: http://www.delawareacs.org/documents

be a part of the solution • participate
September Joint ACS Delaware / ChemVet Lecture

Title: How the Chemical Senses Shape Health and Nutrition

Speaker: Robert F. Margolskee, M.D., Ph.D.
Director and President, Monell Chemical Senses Center

Date: Tuesday, September 18, 2018

Location: DuPont Country Club
1001 Rockland Road
Wilmington, DE 19803

Time: 6:00 – 8:00 PM

Event Type: hors d’oeuvres & cash bar

Registration: Please RSVP at http://www.delawareacs.org/. If you are not able to register online, please contact Robert Mishur at rjmishur@widener.edu or at (708)-927-9780.

Abstract:
Monell is an independent research institute focused on understanding the chemical senses of taste and smell and how these senses influence our well-being. We were founded 50 years ago to study these under-appreciated senses. We’ve learned that taste and smell are “smarter” than we imagined, with far-reaching effects on our health and great impact on our lives. Taste receptors in the mouth determine food choices that can lead to obesity-related diseases, which are reaching epidemic levels worldwide. And your tongue isn’t the only organ that “tastes;” the “extra-oral” taste receptors in the lungs and intestines play key roles in stimulating immune responses against pathogenic bacteria and parasites. The sense of smell is similarly valuable – we can detect ovarian cancer, the virus that causes avian influenza, and traumatic brain injury via olfactory clues. When our sense of smell fails, our perception of flavor breaks down, and it’s much harder to maintain nutrition and eat well. Hear more about these topics and
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other discoveries we’ve made in the chemical senses at Monell during our 50 year history.

Biography:
Robert F. Margolskee, MD, PhD is Director & President of the Monell Chemical Senses Center, Adjunct Professor in the Department of Neuroscience at the Mount Sinai School of Medicine and Adjunct Professor, Perelman School of Medicine, University of Pennsylvania. Dr. Margolskee has been a pioneer in the application of molecular biology and transgenic animal models to the study of taste transduction and chemosensation. He has made numerous seminal discoveries in the taste field, including the identification and molecular cloning of taste specific receptors, G proteins, channels and other taste signal transduction elements.

Dr. Margolskee’s basic science research focus has been on the molecular mechanisms of taste transduction, utilizing molecular biology, biochemistry, structural biology, electrophysiology and transgenesis to study the mechanisms of signal transduction in mammalian taste cells. In 1992, his laboratory discovered gustducin, a taste cell expressed G protein. Subsequently, Dr. Margolskee has demonstrated that gustducin is critical to the transduction of compounds that humans consider bitter, sweet or umami. Dr. Margolskee’s laboratory discovered the T1r3 sweet taste receptor in 2001 and the Trpm5 cation channel in 2002. Much of his current work is focused on taste-like cells of the gut and endocrine properties of taste cells. In 2007 he published back-to-back papers in the Proceedings of the National Academy shedding light on how the gut “tastes” nutrients. This new area of research has important implications for diabetes and obesity. Most recently his group identified the previously elusive adult taste stem cells.

Dr. Margolskee received his A.B. in Biochemistry and Molecular Biology from Harvard and his MD-PhD in Molecular Genetics from Johns Hopkins where he studied with the late Nobel laureate Dr. Daniel Nathans. He carried out postdoctoral studies in Biochemistry at Stanford with the Nobel laureate Dr. Paul Berg. Dr. Margolskee’s first faculty appointment was in Neuroscience at the Roche Institute of Molecular Biology, where he also held an adjunct appointment in the Department of Biological Sciences of Columbia University. In 1996, Dr. Margolskee joined the faculty of the Mount Sinai School of Medicine. In 2009, he joined the faculty at the Monell Center and was named Director & President of the Center in 2014.

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Welcome Back!

Al Denio

Labor Day is September 3rd, which is the official end of summer. The Delaware Section maintains a low profile over the summer although several of our members will be in Boston in August for the National Meeting. The fall semester at U.D. will be underway before September 3rd and the population of Newark will expand by about 20,000. That is good news if you sell beer, pizza or subs! The first Section meeting will be September 18, I hope to see you there!

New ACS Fellows –
Congrats to the three new members from the Delaware Section. Pat N. Confalone of Confalone Consulting is retired from Dupont and recently stepped down from the Chairmanship of the Board of Directors of ACS. Paul J. Fagan has had great success as an Organic Chemist at Dupont. Burnaby Munson is now Professor Emeritus at U.D. This Physical Chemist has had great success in the field of Mass Spectroscopy. He also chaired the Honors Program at U.D. for many years.

Ethics –
The July 23rd issue of C&E News noted that former Dupont tech services manager Josh Harry Isler pleaded guilty to theft of fuel-enzyme-related intellectual property. He faces up to 15 years in prison and a fine of up to $500,000. I was happy to hear from ACS CEO Tom Connelly, Jr. that Isler is not an ACS member. It is sad what people do for money!

Sad News from U.D. –
Professor Emeritus Tom Brill, a long time scholar in the Department of Chemistry and Biochemistry died of Parkinson disease after a 20-year battle. When I first met him in 1978, he was teaching a chemistry course for students in the Art Conservation Program at Winterthur Museum. He was a man of many talents!

The Nobel Passover Party –
Once again we shall celebrate chemistry on October 3rd, the date on which the Chemistry Nobel is announced. The Delaware Academy of Chemical Sciences will again host this event at Skipjacks Dining in the Louviers Shopping Center on Paper Mill Road. It is just north of Newark and across from Bank of America.

We shall gather in the Banquet Room between 5:30 and 6 PM for dinner. The discussion of the prize will run from 7 to 8 PM. One or two U.D. faculty members will discuss the winners and the importance of the work.

Champagne from the Land of Lavoisier will be available by the glass to help you celebrate. A couple of our Section members have reportedly made the Nobel Short List, a few the Long List. I have made neither! If you win the prize, you drink free!

For a dinner reservation, call Kim at (302) 456-1800 before October 1. Be sure to indicate you will be at the Passover Party.
Minutes of the Executive Committee Meeting
Delaware Section of the American Chemical Society
Thursday April 19, 2018 • Iron Hill Riverfront

Chair Piril Ertem called the meeting to order at 6:25 P.M.

Past-Chair’s Report:
No report

Chair’s Report:
Piril welcomed Dr. Robert Mishur, who was elected to fill the vacant Chair-Elect position and thanked him for taking on the position. Martha Hollomon volunteered to step in as interim chair for Piril due to her impending relocation.

Upcoming events include a May Happy Hour jointly sponsored by the Section and by the Women in Chemistry of the University of Delaware. This is a relatively new group, and working with them is a great networking opportunity. The Happy Hour will be held in Newark on May 10th. A joint lecture with the ChemVets will be held on May 16th. Rob will represent Piril at these two events.

The May DelChem Bulletin has been submitted and will be returned to Piril shortly for editing. She reviewed the candidates running in the upcoming election.

The 100th anniversary commemoration and 50, 60 & 70-year members recognition is scheduled for the September meeting.

The Section Award meeting will need to be rescheduled to October due to the poor weather in March. Dr. Jia has provided dates when she is available, which Piril has forwarded to Rob. Piril recommended targeting the second week of the month to allow those who follow the Bulletin to register. The materials from the cancelled meeting will be forwarded to Rob.

The Ullyot Lecture is in November. The Delaware Section Chair-Elect is involved and Piril outlined the responsibilities. Piril recommended scheduling a November happy hour for those who do not wish to travel to Philadelphia.

Secretary’s Report:
Julie Brady asked that she be given the location and time information for the 50, 60 & 70-year members recognition as soon as it is available. The envelopes will be prepared from the list she received from Piril. The list now includes members of 70 or more years. The Committee decided that all those on the list will be invited. Julie has the certificates and will see that attendees receive theirs at the September meeting and that the remainder are mailed to the honorees.

Julie asked when the Elections Only roster was needed. Piril will check on who is organizing the election.
Minutes of the Executive Committee Meeting  continued from page 8

Treasurer’s Report:
No report

Reports of Committees and Related Groups

Centennial:
Norm Henry reviewed the centennial planning for Rob’s benefit. Piril suggested taking more pictures of the charter to try to eliminate glare; the document is too fragile to remove from the frame. Norm recommended holding the event at the DuPont Country Club due to their long association with the Section. Piril recommended talking to Giang to see if there is any advantage to holding the event at the Doubletree. Martha suggested collecting pictures of landmarks at local companies. Piril noted that the ChemVets might have pictures. A commemorative souvenir of the centennial was discussed. A calendar was proposed, as was the Fm (Element 100) pin from the ACS store. Piril requested quotes for the materials and a budget for the centennial costs.

Old Business:
Piril received a message from Senator Carper’s office that he will not be able to attend Section events. She asked who had contacted him. Martha replied that John Gavenonis, chair of the Government Affairs committee, would have done so.

New Business:
None

The meeting was adjourned at 7:28 P.M.

Officers and Councilors Present:
Piril Ertem, Julie Brady, Alicia Briegel, Norm Henry, Martha Hollomon, Rob Mishur

Officers and Councilors Absent:

Others Present: none

Respectfully submitted,

Julie E. Brady
Delaware Section Award
The purpose of this award is to recognize conspicuous scientific achievement in an area of chemistry or chemical engineering by a Delaware Section member. The Award, established in 1956, is funded by the ACS Delaware Section, and consists of a certificate and honorarium. It will be presented at the January 2019 Delaware Section meeting, at which the recipient is the main speaker. Any member of the ACS Delaware Section may be nominated for this award. Nominations, which are processed through the Awards Committee, may be based on the member’s single or extended activities. The scientific achievement and contribution should be of such a nature that a meaningful address before the Section can be given. Previous recipients may be nominated based on new contributions. Nomination should take the form of a written documentation of achievements and contributions with supporting references such as patents and publications. The deadline for nominations is November 15, 2018.

Tillmanns-Skolnik Award
The Delaware Section Awards Committee is accepting nominations for the Tillmanns-Skolnik Award to be given in January 2019. The award is granted for outstanding contribution to the content of Section programs, to the administrative function of the Section, or to the improvement of the public perception of the Section. Either a single noteworthy achievement or long continuous service may be recognized. Any Delaware Section member can submit the name of a nominee and a short description of the nominee’s qualifications for the award. The nominee cannot be a voting member of the Executive Committee during the calendar year prior to the presentation of the award. The deadline for nominations is November 15, 2018.

Lillian Webster Award
This award is given to recognize unusual service or extra-ordinary dedication to the Delaware Section through long term activity or other meritorious work. It is given sporadically at the discretion of the Chair to a non ACS member who has served the Delaware Section by giving freely of their time for the betterment of the section. The deadline for nominations is November 15, 2018.

Submit nominations to the Awards chairman:
Norman W. Henry III
129 Ballantrae Drive
Elkton, MD 21921-2982
(410) 398-9484
E-mail: SHBP65@comcast.net
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There are several web sites that may help you search for these open positions.

• www.mboservices.net/recr_disp.php
• http://membership.acs.org/D/Del/#Jobs
• http://pubs.acs.org/chemjobs/
Calendar of Events

September 18  Joint ACS Section/ChemVets Meeting, DuPont Country Club, 6:00 pm to 8:00 pm

October 8     Delaware Section Meeting (postponed from March 21).

October 27    Combined Celebration of 100th Anniversary of the Delaware Section and Recognition of 50-, 60-, and 70-year ACS Members, DuPont Country Club

November 3    National Chemistry Week Celebration, The Independence School, noon to 4:00 pm