

2019 Maryland Chemist of the Year!



“Solving the Opioid Crisis Through Chemistry”

Andrew Coop, Ph.D.

**Professor and Associate Dean for Academic Affairs
University of Maryland School of Pharmacy**

Tuesday, December 10, 2019

6:00-8:30 pm

**University of Maryland, Baltimore
Pharmacy Hall (20 N. Pine St)**



2019 Section Officers:

Chair 2019..... Dana Ferraris, McDaniel College, dferraris@mcdaniel.edu
Vice Chair 2019..... Pumtiwitt McCarthy, Morgan State University, pumtiwitt.mccarthy@morgan.edu
Chair-Elect (Chair 2020)....Eric C. Cotton, Community College of Baltimore County, ccotton2@ccbcmd.edu
Secretary 2019..... Louise Hellwig, Morgan State University, louise.hellwig@morgan.edu
Treasurer 2019.....Angela Sherman, Notre Dame of Maryland University, asherman@ndm.edu
Past Chair (2018)..... Beatrice Salazar, beatricesalazar1@gmail.com

2019 SECTION COMMITTEE ON NOMINATIONS

Chair of the Committee on Nominations..... James Saunders, jsaunders@towson.edu
Additional 4 members: Dana Ferraris, Chair-2019, dferraris@mcdaniel.edu
..... Pumtiwitt McCarthy, Vice Chair-2019, pumtiwitt.mccarthy@morgan.edu
..... Beatrice Salazar, Chair-2018, beatricesalazar1@gmail.com
.....Sara Narayan, Stevenson University, SNARAYAN@stevenson.edu
..... Sandra Young, RDECOM, sandra.k.young26.civ@mail.mil

COUNCILORS/COMMITTEES

1. 2018-2020 Dana Ferraris Chair of the Section Program Committee (McDaniel College), dferraris@mcdaniel.edu
2. 2018-2020 Jan Kolakowski Member of ACS Committee on Economic and professional Affairs, Chair of Section Finance/Investment Committee, jek6042@gmail.com
3. 2017-2019 Merle Eiss Member of ACS Meetings and Expositions Committee, meiss32@aol.com
4. 2017-2019 Paul Smith Member of ACS Local Section Activities(LSAC) Committee Associate/Chair of Long Range Planning Committee (MARM-2019) (UMBC), pjsmith@umbc.edu
5. 2018-2020 Stephanie Watson Member of the ACS Committee on Committees (ConC) Liaison on [Nomenclature, Terminology and Symbols](#) (NIST), stephanie.watson@nist.gov

ALTERNATE COUNCILORS/COMMITTEES

1. 2017-2019 Kelly Elkins Member of the ACS Ethics Committee, Kmelkins@towson.edu
2. 2017-2019 Pumtiwitt McCarthy Chair of Publicity Committee, pumtiwitt.mccarthy@morgan.edu
3. 2017-2019 Sandra Young Chair of Community Outreach Activities Committee, sandra.k.young26.civ@mail.mil
4. 2018-2020 Michele Foss Committee TBA, foss.michele@gmail.com
5. 2018-2020 Sarah Zimmerman Chair of Member Assistance Committee,* scatzim@gmail.com

MEMBERS-at-Large

Suzanne Procell, CCDC Chemical Biological Center, suzanne.a.procell.civ@mail.mil
Rose A. Pesce-Rodriguez, RDECOM, rose.a.pesce-rodriguez.civ@mail.mil
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2019 Maryland Chemist of The Year



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Schedule:

6:00-6:45 pm	Registration / Networking & appetizers
6:45-7:45 pm	Speaker & Award Presentations
7:45-8:30 pm	Refreshments & Social Event

Cost: \$10.00 per person (students, ACS members & non-members)

Cash or check can be made payable to MD ACS and will be collected at the event

RSVP: Dr. Angela Sherman, ASherman@ndm.edu

The current opioid crisis has an incredible cost on the US, both financially and socially. Dr. Coop will address the factors that led to the crisis, define the problem from a biological standpoint, and discuss the approaches currently underway to solve the crisis. This will include current medications for treating opioid dependence, and the development of new opioid analgesics that lack any abuse liability, with a focus on his program towards this goal.

Welcome our new 2020 ACS MD Section Officers!

Chair-Elect: Sarah Zimmerman

Secretary: Louise Hellwig

Treasurer: Angela Sherman

Members at Large:

George Farrant

Sara Narayan

Rose Pesce Rodriguez

Beatrice Salazar

James Saunders

Councilor:

Kelly Elkins

Alternate Councilor:

Pumtiwitt McCarthy

Paul Smith

Undergraduate and Graduate Student Travel Grants Available

Undergraduate and Graduate students may apply to the ACS Maryland Section to receive up to \$500 for travel and expenses to attend a national ACS Meeting or a MARM (Mid-Atlantic Regional meeting). This is open to ACS members who are enrolled full time in a college or university in the Maryland Section.

The application should include:

- The meeting you plan to attend along with location and dates
- Your ACS membership number
- An estimated budget (cost for travel, registration, lodging, and meals)
- A 250 word essay describing your motivation for attending the meeting
- A copy of your abstract and the abstract number ACS gave it when your abstract was accepted
- A letter of support from your faculty advisor
- Please state what would be the most convenient way for the check to be made out, in the event you are awarded a travel grant.

Applications for the spring national ACS meeting in Philadelphia PA March 22-26, 2020 will be accepted **starting December 1**. Decisions will be announced by January 20, 2020.

To a certain extent the decisions will be made on a first come, first served basis; however the goal is to allow students from as many schools as possible to attend, so special consideration will be given to the first student who applies from each college/university. We especially encourage schools which have never had a student apply for a travel grant, to consider applying for a travel grant this year.

Submit your application to Dr. Louise Hellwig by e-mail: Louise.Hellwig@morgan.edu

If you are awarded a travel grant, the following items need to be submitted after the meeting:

- Photocopies of receipts totaling the amount of the award.
- Trip report summarizing your experience at the meeting and photos of yourself at your poster at the meeting so we can proudly post them on the section website.

Recent Events: The Braude Award

Approximately 30 people attended the Braude Award Dinner and Meeting Oct. 23 in the Chemistry Department of Towson University. Dr. Mary Devadas, Assistant Professor at Towson, the 2019 Braude Award winner, was awarded a plaque and a check to support her research. She made a presentation on Functional Nanoparticles: Synthesis and Applications, emphasizing how her students (undergraduate, graduate, high school, and even middle school students) not only generated data, but developed leadership in the lab and honed their skills at communicating in papers and posters. Congratulations, Dr. Devadas!



2019 MARM Chemagination

The regional MARM Chemagination competition took place on Saturday, June 1 from 12:00 noon to 5:00 pm at the University of Maryland, Baltimore County (UMBC) in conjunction with the Middle Atlantic Regional Meeting 2019 sponsored by the ACS Maryland Section.

Thirteen teams representing six ACS Local Sections competed. The teams presented, in article and poster formats, innovations and scientific breakthroughs that improved people's lives in the "current" year of 2044! These discoveries were in one of four categories: alternative energy, the environment, medicine and health, or new materials.

Each team was interviewed by three judges from academia or industry. While the judges deliberated, graduate students Alex Sestok (a bioinorganic chemist), Christopher Cooper (a physical chemist), and Denise Williams (a materials chemist) shared their research with the Chemagination students. The judges' final decisions were:

Medicine/Health

First Place - *"Bridging the Gap - Combating Retinal Detachment"*, Betul Duzgun and Raima A. Islam, Passaic Valley High School (North Jersey ACS Section)

Second Place - *"Ending Alzheimer's"*, Andreas Kaimis, Kyra Ramonetti and McKenzie Young, Half Hollow Hills High School West (New York ACS Section)

Environment

First Place - *"The Lean, Green Olivine Machine"*, Nicole DeOrzio and Tatyana Lozada, Cardinal O'Hara High School (Philadelphia ACS Section)

Second Place - *"Can Bacteria Save the Sea?"*, Felicia Filippini and Rachael Miller, Muhlenberg High School (Lehigh Valley ACS Section)

New Materials

Tie, First Place - *"The Better Bandage"*, Marly Fass and Hannah Stein, Half Hollow Hills High School West, (New York ACS Section)

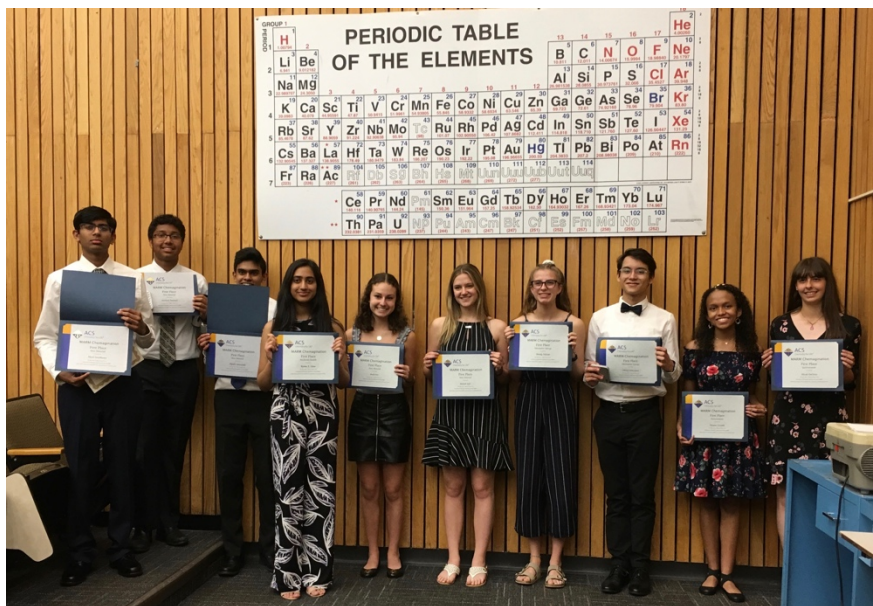
Tie, First Place - *"Carbon - Our Nation's Best Defender"*, Shashank Amarnath, Akindu Dasanayake and Akash Sureshkumar, Hillsborough High School, (Princeton and Trenton ACS Sections)

Alternate Energy

First Place - *"Revolutionizing Solar Energy"*, Eduardo Torres-Garcia and Brooke Weister, Muhlenberg High School, (Lehigh Valley ACS Section)

Second Place - *"Hydrogen Power: Fuel Cells Replacing Oil Wells"*, Alan Ji and Christopher Ji, Hillsborough High School, (Princeton and Trenton ACS Sections)

Thank you to judges David Bagwell, Dr. Deborah Cook, Steve Good, Dr. Martha Hollomon, Kelcie Kramer and Chandra Lowrance. Thank you also to the teachers who supported their students, Ms Mercedes Bauman, Cardinal O'Hara High School; Mrs. Margaret Goldschmidt, John W. Hallahan Catholic Girls' High; Dr. Susanne Iobst, Passaic Valley High School; Dr. Deok-Yang Kim, Bergen County Academies; Mrs. Carmel Meyers, Hillsborough High School; Ms Barbara Safira, Wallington High School; Dr. Audrey Smeltzer-Schwab, Muhlenberg High School; Mrs Christine Tjersland, Half Hollow Hills High School West, to the parents and to the other volunteers who contributed to this innovative experience for the students!



First Place Winners:

(from left) Akash Sureshkumar, Shashank Amarnath, Akindu Dasanayake, Raima A. Islam, Marly Fass, Hannah Stein, Brooke Weister, Eduardo Torres-Garcia, Tatyana Lozada and Nicole DeOrzio



Second Place Winners

(from left) Christopher Ji, Alan Ji, Kyra Ramonetti, Rachel Miller and Felicia Filippini

NEW PROGRAMS



New Program for Senior Chemists

[ACS Senior Chemists](#): Message from the ACS Senior Committee Chair

<https://www.acs.org/content/acs/en/membership-and-networks/senior-chemists.html>

Information on how to Start a [New Senior Committee](#) at your Local Section:

<https://www.acs.org/content/dam/acsorg/membership/senior-chemists/senior-chemists-starter-kit.pdf>

REMINDER:

Receiving the Chesapeake Chemist

Hopefully, if you are reading the Chesapeake Chemist this month, you are receiving it via e-mail from us. We went to electronic-only mailings to our MD ACS membership in October 2006.

Changing your e-mail address? Moving out of the MD ACS area? E-mail changes can be updated either by:

- E-mailing us at acsmarylandsection10@gmail.com – give us your member #, full name, and e-mail changes and we can ensure that your records are updated with National ACS.
- **Contacting the National ACS membership division: 800-333-9511 (US only) or service@acs.org**

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail acsmarylandsection10@gmail.com.

If you are a member who currently doesn't receive the Maryland ACS Chesapeake Chemist but download it from our website, it is possible that National ACS does not have your e-mail address on file. If you want to receive the Chesapeake Chemist via e-mail, please e-mail us at acsmarylandsection10@gmail.com – give us your member #, full name, and e-mail address and we can ensure that your records are updated with National ACS.

The current edition and previous editions of the Chesapeake Chemist can ALWAYS be obtained via our website: www.acsmaryland.org.



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