



**ACS**  
Chemistry for Life<sup>®</sup>

**AMERICAN CHEMICAL SOCIETY**

***ACS Maryland Section Election Information***

***Nominations open until October 1<sup>st</sup>!***



### 2019 Section Officers:

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

### 2019 SECTION COMMITTEE ON NOMINATIONS

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

### COUNCILORS/COMMITTEES

1. 2018-2020 Dana Ferraris Chair of the Section Program Committee (McDaniel College), [dferraris@mcdaniel.edu](mailto: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](mailto:jek6042@gmail.com)
3. 2017-2019 Merle Eiss Member of ACS Meetings and Expositions Committee, [meiss32@aol.com](mailto: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](mailto:pjsmith@umbc.edu)
5. 2018-2020 Stephanie Watson Member of the ACS Committee on Committees (ConC) Liaison on [Nomenclature, Terminology and Symbols](http://www.nist.gov) (NIST), [stephanie.watson@nist.gov](mailto:stephanie.watson@nist.gov)

### ALTERNATE COUNCILORS/COMMITTEES

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

### MEMBERS-at-Large

Suzanne Procell, CCDC Chemical Biological Center, [suzanne.a.procell.civ@mail.mil](mailto:suzanne.a.procell.civ@mail.mil)  
Rose A. Pesce-Rodriguez, RDECOM, [rose.a.pesce-rodriguez.civ@mail.mil](mailto:rose.a.pesce-rodriguez.civ@mail.mil)  
Sara Narayan, Stevenson University, [SNARAYAN@stevenson.edu](mailto:SNARAYAN@stevenson.edu)  
James Saunders, [jsaunders@towson.edu](mailto:jsaunders@towson.edu)  
George Farrant, [gfarrant@yahoo.com](mailto:gfarrant@yahoo.com)

### Maryland Section on the Web:

[www.acsmaryland.org](http://www.acsmaryland.org)

### Webmaster:

Pumtiwitt McCarthy, [Pumtiwitt.McCarthy@morgan.edu](mailto:Pumtiwitt.McCarthy@morgan.edu)

### Chesapeake Chemist Editor-in-Chief:

Pumtiwitt McCarthy, [Pumtiwitt.McCarthy@morgan.edu](mailto:Pumtiwitt.McCarthy@morgan.edu)

### Contact us at:

[acsmarylandsection10@gmail.com](mailto:acsmarylandsection10@gmail.com)

# 2019 Elections for the ACS Maryland Section

## Election Slate for American Chemical Society Officers for Maryland Section 2020

**Position of Chair Elect (1 opening) Open for election in 2020**

**One nomination:** Sarah Zimmerman

**Position of Secretary (1 opening) open for election in 2020**

**One nomination:** Louise Hellwig

**Position of Treasurer (1 opening) open for election in 2020.**

**One nomination:** Angela Sherman

**Position of Members at Large (5 openings) open for election in 2020.**

**Six nominations:**

George Farrant

Pumtiwitt McCarthy

Sara Narayan

Rose Pesce Rodriguez

Beatrice Salazar

James Saunders

**Position of Councilor (1 opening) open for election in 2020.**

**Four nominations:**

Merle Eiss

Kelly Elkins

Beatrice Salazar

Jen Schmitt

**Position of Alternate Councilor (2 openings) open for election in 2020**

**Two nominations:**

Pumtiwitt McCarthy

Paul Smith

**\*Nominations are welcome from the general membership for any office and are open until Oct 1<sup>st</sup>\***

# Candidate Biographies and Statements

## Position of Chair Elect (1 opening, one nominee)

**Nominee:** Sarah Zimmermann

**Bio:** Sarah C. Zimmermann, Ph.D., is a Chemist at the U.S. Food and Drug Administration. She received her Ph.D. in Organic Chemistry from the University of Maryland, Baltimore County (UMBC) with Dr. Katherine Seley-Radtke, with a focus on the synthesis of modified nucleosides as therapeutic agents. Following her Ph.D., Dr. Zimmermann continued her studies in Medicinal Chemistry as a NIH Ruth Kirschstein Postdoctoral Fellow at Johns Hopkins University as part of the Johns Hopkins Drug Discovery (JHDD).

**Statement:** During her time as a Postdoctoral Fellow Dr. Zimmermann became an active member of the Executive Committee of the Maryland Section of the ACS where she has served as an Alternate Councilor, Chair of Member Assistance Committee, and a Webmaster for the 2019 MARM. As Chair-Elect Dr. Zimmermann hopes to uphold the traditions the Maryland Section has maintained over its 100+ year history as well as promote the use of social platforms to keep the members of our local section involved and engaged.

## Position of Secretary (1 opening, one nominee)

**Nominee:** Louise Hellwig

**Bio:** Louise Hellwig graduated from Swarthmore College and earned her Ph.D. in organic chemistry from the University of Wisconsin-Madison. After short stints at the College of Wooster in Ohio and at Towson University, she has been teaching chemistry at Morgan State University for 28 years, where she mentors the Morgan State University's Chemistry Club. She currently serves as the Secretary for the Maryland Section of ACS and chairs both the Braude Award Committee and the Student Travel Grants Committee.

**Statement:** I would like to continue to serve as Secretary of the Maryland local ACS section because we have a great section with many worthwhile projects and interesting meetings. I see the Secretary's duties as keeping the section's paperwork organized, representing the section well in any correspondence with outsiders, and providing clear communication with the national ACS. I have already demonstrated the necessary organizational skills as Secretary of the Maryland section, chair of the Braude Award committee, chair of the Student Travel Grants Committee, as liaison with the university Chemistry Clubs in the Maryland section, and as mentor for Morgan's Chemistry Club. I attend all of the Executive Board meetings and most of the monthly general meetings; recording any business and keeping minutes gives me an even more complete picture of our section activities.

## Position of Treasurer (1 opening, one nominee)

**Nominee:** Angela Sherman

**Bio:** Angela R. Sherman is a Professor in the Chemistry Department at Notre Dame of Maryland University. Dr. Sherman earned her B.A. from Johns Hopkins University and her Ph.D. from Purdue University. Dr. Sherman is a member of the Control Board for Arkivoc, an on-line journal of organic chemistry. She is also a

Technical Editor for the journal. Dr. Sherman has been active in the Maryland Section of the ACS since 1996. Currently, she is the chairperson of the Section's Maryland Chemist of the Year committee.

**Statement:** I am interested in continuing to serve as the Treasurer of the Section again because I enjoy participating in the Section activities. As Treasurer, it has been my responsibility to ensure accurate and timely financial transactions related to activities and events sponsored by the Section.

**Position of Councilor (1 opening, 4 nominee's)**

**Nominee:** Merle Eiss

**Bio:** Merle Eiss graduated from Purdue University with a degree in analytical chemistry. I recently retired after a career with McCormick & Co., Inc. My areas of work included analytical, food and flavor chemist, Project Management for the development of processes for cleaning spices and herbs, and Regulatory Management working with FDA, USDA, and foreign government regulators. For my work with FDA, I was awarded a US Vice Presidential Award. While at McCormick, I worked as a consultant/lecturer for the United Nations, giving lectures and short courses on food cleanliness and quality in various countries around the world. I was also Technical Director of the American Spice Trade Association. I was Chapter Chair, and held various other offices. Nationally, my ACS service includes vice chair Council Policy Committee, secretary of the Committee on Committees, Committee on Nominations and Elections, Member Affairs Committee, and the International Activities. Meetings and Expositions. I was a Trustee of the ACS insurance Trust.

**Statement:** I have served the Maryland Chapter ACS as a councilor since 1984. During that time, I have been a member of many national committees. My goal as councilor is to further the interests of our Chapter and to assist our members to achieve leadership roles on committees and in areas suited to their interests. Currently I am a member of the Meetings and Exposition Committee. The Expo at this recent meeting in San Diego was fully sold out with 280+ vendors. Unfortunately, attendance at the meeting was low, about 12,600. As part of my duties on my last committee, Membership Affairs, and as a Trustee of the ACS Insurance Trust, I worked to promote and enhance benefits for our members. One recent major achievement of the Insurance Trust was the Chemical Educators Legal Liability Plan to help protect our teaching members. The Plan underwritten by Lloyds of London, one of the world's leading insurance companies, has been successful. If re-elected, I plan to continue my efforts on behalf of the Maryland ACS members.

**Nominee:** Kelly Elkins

**Bio:** Kelly Elkins is an Associate Professor in the Chemistry Department at Towson University. She earned her B.S. in Chemistry and B.A. in Biology from Keene State College and her Ph.D. in Biochemistry from Clark University. She was a Cancer Research Institute Postdoctoral Fellow at MIT and a Fulbright grantee in Germany. Prior to her current position she was Director of Forensic Science and Assistant Professor of Chemistry at Metropolitan State College of Denver. Cumulatively, she has taught for 15 years in five states during her spouse's military service. Dr. Elkins has been active in the Maryland Section of the ACS since 2012 where she has been an Alternate Councilor since 2014. She is Co-Chair of the Women Chemists Committee and co-organized three events at MARM 2019 including a Leadership Symposium, Women Chemists Luncheon and Non-traditional Careers panel. Dr. Elkins is one of three founding Editors-in-Chief

for a new journal, *Journal of Forensic Science Education*, an online journal for educators and a reviewer for ACS journals. Nationally, her ACS service includes service as member of the Committee on Ethics (ETHX) since 2016, Chair-Elect of the Ethics Subdivision of the Division of Professional Relations, and Secretary of the Division of Professional Relations (PROF). She was a member of the ACS Exams Institute DUCK 2017 Exam Committee. Prior to moving to Maryland, she was an active member of the Colorado section as an Alternate Councilor, Co-Chair of the Student Grants Committee, Project SEED student mentor, and Planning Committee for the RMRM meeting in 2012 and an active member of the Coastal Georgia section before that.

**Statement:** I have been a member of ACS since 2000 and have been involved in my local section in many states. I have remained a member and have been actively involved in ACS even as many midcareer professionals have not renewed their memberships. I am acutely aware of the issues facing this group and will work increase our membership and involvement. I have substituted for an ACS Councilor at the National meeting in my role as Alternate Councilor. More recently, I have been a member of an ACS National committee, a Division leadership team and an ACS Exams Institute committee. I would like to continue to serve our local section both locally as well as at the national level to promote chemical education and sharing of chemical research and advocate for our members nationally. I recently wrote the first ETHX Committee Handbook for new committee members. This summer, I participated in the Strategic Planning weekend session for the Committee on Ethics where we outlined many new initiative we are beginning to carry out. We are developing a list of ethics activities and programming for local sections and collaborating with several ACS Divisions to provide ethics-focused programming for their members. I have presented poster and oral presentation on ethics and data sharing and the importance of ethics education and recently collaborated to present a workshop at SACNAS. I was the co-author of a funded ACS IPG grant to support an upcoming Division of Professional Relations program I have co-organized for the Philadelphia meeting, "Inclusive Excellence in Chemistry Education." I recently co-organized a PROF Ethics and Social Media program at the San Diego meeting. If I am elected as Councilor, I can be counted on to actively serve the section and its members and ACS.

**Nominee:** Beatrice Salazar

**Bio:**

2019 Immediate Past Chair, ACS Maryland Section

2018 Chair, ACS Maryland Section

2017 Vice-Chair, ACS Maryland Section

2016 Chair Elect, ACS Maryland Section

2016-present Coordinator: Earth Day Events, ENVR Division, CHED Division, Outreach, ACS Maryland Section

2010-present Coordinator: US National Chemistry Olympiad (USNCO) CHED Division and outreach, ACS Maryland Section

Beatrice received a Master's degree in chemistry education from the University of Pennsylvania (UPENN) and a B.S. in mathematics and computer science from Eastern Connecticut State University (ECSU). She has 19 years of experience teaching chemistry, physics and technology in high school, first in Philadelphia and later in Baltimore County Public Schools (BCPS) where she has also served as teacher mentor for 10 years. She has served the ACS Maryland local section as Chair, Vice-Chair and Chair Elect as well as Member-at-

Large for several years and has served as coordinator of various outreach programs of the Maryland Section of the American Chemical Society.

**Statement:** Beatrice wants to continue being part of the ACS Maryland section, this time as councilor, to represent Maryland scientists and advocate for their career advancement. Beatrice has shown lots of enthusiasm and initiative while serving the ACS Maryland section in different capacities. In the past two years she presented chemical education related posters at ACS national meetings in an effort to bring awareness of the role of chemistry in public health and the role of ACS members in spreading the knowledge of chemistry to the community; this can be taught within the context of multidisciplinary areas: Science, Technology, Engineering and Math (STEM).

As councilor, if elected, she wants to work with ACS colleagues, students, and ACS staff to enhance opportunities to younger scientists and members. She would emphasize three initiatives:

1. Strengthen the relationship between ACS local section and ACS at the national level
2. Provide strong support for members' initiatives
3. Enhance our public profile and continue to advocate for science within the community

Teamwork is essential to make things happen and we are the pivot for success of ACS Maryland. Beatrice hopes you join her in this enterprise and have your vote to make it happen. As Ernest Hemingway said, "A man alone... ain't got no chance."

Please check the following websites for details of outreach work done in previous years. [ACS-Maryland](#), [Earth Day Events](#), [USNCO](#)

**Nominee:** Jennifer Schmitt

**Bio:** Jennifer Schmitt received her B.S. in Chemistry from Stevenson University in 2010. She received her Ph.D. in 2016 from the University of Reno, Nevada. During her time there she focused on metalloprotein chemistry specifically with the enzyme superoxide dismutase by building peptide biomimics and probing the electronic properties and structure through different techniques. After completing her degree, she moved back to Baltimore to work at an emerging pharmaceutical company, Rapafusyn. Rapafusyn is developing a macrocyclic library to target unmet medical needs. She has been there for the last two years.

**Statement:** I joined ACS during my graduate career and believe it is instrumental to educate our younger chemist both in and out of the lab. My first introduction to ACS was attending a national meeting, this led to me to apply and be accepted for the leadership development institute that ACS puts on every spring. I then applied to be on the national committee of the younger chemists committee (YCC). I have helped plan and organize different events targeting younger chemist and look forward to getting more involved in our section as well as having more events targeting younger chemists. I also would like to see more outreach to high school and have our section take advantage of the different grants that ACS provides. If elected councilor, this would give me the opportunity to help further these goals.

### **Position of Alternate Councilor (2 openings, two nominees) open for election in 2020**

**Nominee:** Pumtiwitt McCarthy

**Bio:** Pumtiwitt McCarthy received her B.S. in Biochemistry in 2003 from Rowan University. As an

undergraduate, she had an opportunity to conduct research, which solidified her passion for science. She obtained her Ph.D. in Biochemistry in 2009 from the University of Delaware. For her thesis research, she investigated enzymes involved in oxidative protein folding. She was a postdoctoral fellow at the Center for Biologics Evaluation and Research at the FDA on the campus of the NIH from 2009-2013. With support from ORISE and NIH PRAT fellowships, her postdoctoral research focused on the development of a chemoenzymatic strategy to make glycoconjugate vaccine candidates against the pathogen *Neisseria meningitidis*, one of the leading causes of bacterial meningitis. She joined the faculty of the Department of Chemistry at Morgan State University as an Assistant Professor in 2013 and became an Associate Professor in 2019. Her research program investigates capsule -producing enzymes from *Neisseria meningitidis* with applications in vaccine development and bioremediation. She has supervised over 20 high school (through ACS Project SEED and other programs), undergraduate, and graduate students in research.

**Statement:** I have been an ACS member since I obtained my undergraduate degree in 2003 and began serving in various roles for the local section since 2015. I have served as Alternate Councilor (since 2015), Chair-Elect (2018), Vice-Chair (2019), co-Chair of Exposition and Sponsorship for MARM 2019, Webmaster and Editor-in-Chief of the *Chesapeake Chemist* (since 2015). I have been involved in ACS through attendance at local and national meetings. I look forward to continuing my support for ACS and its programs through service to the local section.

**Nominee:** Paul Smith

**Bio:** Born and raised in Rochester, NY, Paul received his B.S. in Chemistry and Biology from SUNY College at Brockport in 1988 and his Ph.D. from the University of Pittsburgh in 1993, where he studied physical organic chemistry in the laboratory of Professor Craig Wilcox. He spent two years as an NIH Post-doctoral Fellow at Johns Hopkins University with Professors Craig Townsend and Tom Tullius, studying the ene-diyne antitumor antibiotic calicheamicin. In 1995, he joined the Department of Chemistry and Biochemistry at UMBC, where he is now an Associate Professor. His current research in synthetic organic chemistry is focused on the identification of new anti-viral agents that inhibit viral DNA and RNA processing enzymes, with an emphasis on the hepatitis C virus. He is Undergraduate Program Director for Chemistry at UMBC and Associate Chair in the Department of Chemistry and Biochemistry.

**Statement:** He is currently a Maryland Section Councilor. At the National level, he has been a Member and Chair of the Admissions Committee, a Member and Sub-Committee Chair of the Membership Affairs Committee and is currently a Member of the Local Section Activities Committee, serving on the Technology and Tools Sub-committee. He has been a member of the MARM Board since 2011, was Co-general Chair for MARM 2012, and General Chair for MARM 2019. He served as Chair of the Maryland Section in 2004 and 2016.

#### **Position of Members at Large (5 openings, 6 nominees)**

**Nominee:** George Farrant

**Bio:** I graduated Oberlin College (BA, 1962 and Case Western Reserve University (PhD Organic Chemistry 1968. After two postdoctoral positions (U. of Cologne & U. of VA) and Year of teaching at Washington and Lee U., I taught Chemistry for 35 years at CCBC Catonsville and 20 years as an adjunct at Towson U. I



retired from teaching in 2006 but have been active as a member of the Maryland Section since 2004 and a 54 year member of the ACS. I have been chairperson of the Student Awards Committee for the past 15 years in which the top chemistry students at each of our twenty universities and College in our section are recognized for their academic achievements.

**Statement:** I am interested in continuing my service to the ACS as a Member-at-Large. As a member at large, my main responsibilities will be to continue spreading the word about chemistry through outreach activities and to make the leadership of the Maryland Section aware of membership needs and concerns. I can best do that if the membership keeps in touch. Is there something the ACS can do for you as an ACS member? If so, please let me know.

**Nominee:** Pumtiwitt McCarthy

**Bio:** Pumtiwitt McCarthy received her B.S. in Biochemistry in 2003 from Rowan University. As an undergraduate, she had an opportunity to conduct research, which solidified her passion for science. She obtained her Ph.D. in Biochemistry in 2009 from the University of Delaware. For her thesis research, she investigated enzymes involved in oxidative protein folding. She was a postdoctoral fellow at the Center for Biologics Evaluation and Research at the FDA on the campus of the NIH from 2009-2013. With support from ORISE and NIH PRAT fellowships, her postdoctoral research focused on the development of a chemoenzymatic strategy to make glycoconjugate vaccine candidates against the pathogen *Neisseria meningitidis*, one of the leading causes of bacterial meningitis. She joined the faculty of the Department of Chemistry at Morgan State University as an Assistant Professor in 2013 and became an Associate Professor in 2019. Her research program investigates capsule -producing enzymes from *Neisseria meningitidis* with applications in vaccine development and bioremediation. She has supervised over 20 high school (through ACS Project SEED and other programs), undergraduate, and graduate students in research.

**Statement:** I have been an ACS member since I obtained my undergraduate degree in 2003 and began serving in various roles for the local section since 2015. I have served as Alternate Councilor (since 2015), Chair-Elect (2018), Vice-Chair (2019), co-Chair of Exposition and Sponsorship for MARM 2019, Webmaster and Editor-in-Chief of the *Chesapeake Chemist* (since 2015). I have been involved in ACS through attendance at local and national meetings. I look forward to continuing my support for ACS and its programs through service to the local section.

**Nominee:** Sara Narayan

**Bio:** Dr. Saraswathi (Sara) Narayan received her B.S, M.S., and Ph.D. from the Indian Institute of Science in Bangalore. She is a professor of chemistry at Stevenson University, formerly Villa Julie College. Her research interests are in medicinal chemistry and organic synthesis. She is actively involved with the MD local section of ACS for more than a decade in different capacities. She has been the Chair of the Women Chemists Committee in the Local Maryland Section for over 14 years and currently a co-chair and served as secretary for couple of years. Sara was a Chair elect in 2011, Vice- Chair in 2012 and the Chair of the Maryland local section in 2013. She continues to be a member at-large since 2013. She is a member of Sigma Xi Honor Society, ACS and Gamma Sigma Epsilon Honor Society.

**Statement:** I have been a member of ACS for over 30 years. I would like to serve as member at Large and continue as co-chair of the Women Chemists committee to bring Luncheon and Dinner speakers. I also volunteer for K-12 activities and National Chemistry Week activities and Earth Day activities when time permits. I attend and participate in almost all the board meetings and monthly dinner meetings.

**Nominee:** Rose Pesce-Rodriguez

**Bio:** B.A. in Chemistry and Russian from Queens College of the City University of NY; Ph.D in Chemistry (Polymer sub-discipline) from the CUNY Graduate Center. Army Research Laboratory employee for 25 years; elected as an ARL Fellow in 2010. Expertise is in the area of chemical analysis of energetic materials.

**Statement:** I have been an ACS member for 35 years, my main contribution to the American Chemical Society has been to promote awareness about chemicals, chemistry, and the ACS through my educational outreach programs. I am part of several programs through ARL, but also run National Chemistry Week and Chemists Celebrate Earth Day programs for children and adults in public libraries in Howard County, Carrol County and Baltimore City, as well as through various programs at elementary schools in Howard, Harford, and Baltimore Counties, and Baltimore City. At these programs, students do hands-on experiments related to the themes selected by the ACS for NCW and Earth Day. Parents are always encouraged to attend my library sessions, and are given handouts to follow-up on the materials covered in the library sessions. Over the 16 years that I have been running the library program, I have gotten to know many families in the community. Many of “my kids” are now college age and making decisions about future careers. Some are picking STEM fields and have told me that my programs had a real influence on their decision.

I am interested in continuing my service to the ACS as a Member-at-Large. As such, my main responsibilities will be to continue spreading the word about chemistry through outreach activities and to make the leadership of the Maryland Section aware of membership needs and concerns.

**Nominee:** Beatrice Salazar

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Please check the following websites for details of outreach work done in previous years. [ACS-Maryland](#), [Earth Day Events](#), [USNCO](#)

**Nominee:** James A. Saunders

**Bio:** Received BA in Zoology from University of South Florida and PhD in Botany with an emphasis of plant biochemistry from Miami University and did a Post doc at University of CA, Davis. Worked 26 years as Research Biochemist with USDA in Beltsville, MD and eight years academic positions including Director of Molecular Biology, Biochemistry and Bioinformatics at Towson University. Research Interests in plant biochemistry of secondary natural products, plant/insect interactions, subcellular localization, enzymology of drugs of abuse, smoking and tobacco issues, the chocolate industry and medical Marijuana; Expertise in molecular biology with emphasis on DNA fingerprinting, gene transfer and gene expression methodology.

**Statement:** I have served as Chair of the Maryland Section, developed multiple workshops and served on many committee, enjoying membership in the society for many years. As a retired consultant, I continue to be active in mentoring programs and programs of related to plant biochemistry and secondary natural products including developments in the medical marijuana arena. I would be happy to represent the society as a Member at Large.

# Councilor Report from the Fall 2019 ACS Meeting

## Councilor Report American Chemical Society Meeting San Diego August 2019 Stephanie Watson

The ACS Council met on Wednesday, August 28, 2019 in San Diego, CA. Four Maryland Local Section Councilors were present, including Merle Eiss, Paul Smith, Stephanie Watson, and Pumtiwitt McCarthy as an alternate councilor. Attendance for the National meeting, themed “Chemistry and Water” was 12,409. There were 31 participating employers with 81 open positions and 239 job seekers. The Board of Directors meetings were also held on August 23-25, 2019 at the 2019 ACS fall national meeting.

The following is a summary of the actions of the Council. Several elections were held for elected Committees of Council. By electronic ballot, the Council elected Anne M. Gaffney, Lydia E. M. Hines, Will E. Lynch, and Sally B. Peters for three-year terms (2020-2022), and Dee Ann Casteel for a one-year term (2020) on the Council Policy Committee (CPC). By electronic ballot, the Council elected Michelle V. Buchannan, Charles E. Cannon, Alan A. Hazari, Amber S. Hinkle, and Thomas H. Lane for three-year terms (2020-2022) on the Committee on Nominations and Elections (N&E). By electronic ballot, the Council elected Lisa M. Balbes, D. Richard Cobb, Emilio X. Esposito, Jason E. Ritchie, and Stephanie J. Watson for three-year terms (2020-2022) on the Committee on Committees (ConC).

The Council completed other actions. On recommendation of the Committee on Committees, and with the concurrence of the Council Policy Committee, Council approved the continuation of the Committees on International Activities and Professional Training, contingent on approval by the Board of Directors. On the recommendation of the Committee on International Activities, and with the concurrence of the Council Policy Committee, Council approved the creation of an ACS International Chemical Sciences Chapter in the Republic of Georgia, contingent on approval by the Board of Directors. On the recommendation of Nominations & Elections, the Council voted that the Pittsburgh Local Section be transferred from District II to District III in order to bring District III’s member population into compliance with bylaw requirements.

There were several resolutions that passed and included in memory of former Executive Director John Kistler Crum and other deceased Councilors; in recognition and celebration of the 100th birthday of Gerald Meyer and his 80 years of service to the Society; in gratitude for the officers and members of the San Diego Local Section, host Section for the 258th National Meeting, the divisional program chairs and symposium organizers, and ACS staff; and acknowledging Bonnie A. Charpentier’s service as ACS President and presiding officer of the Council.

There were several highlights from Committee Reports. The Committee on Nominations and Elections (N&E) solicits Councilors’ input of qualified individuals for President-Elect and/or Directors for future consideration. Suggestions can be sent to [nomelect@acs.org](mailto:nomelect@acs.org). Ballots for the 2019 fall national election will be distributed on September 30th, with a voting deadline four weeks later on October 25th. ACS members eligible to vote and with an email address on file will receive an electronic ballot with the option to request a paper ballot. Those members with no email address on file will be sent a paper ballot with the option to vote electronically. The ACS election vendor, Survey & Ballot Systems, will send three email reminders during the voting period to those who have not voted as of the reminder dates. N&E encourages all ACS members to vote for President-Elect and the Constitutional Amendment. Election information may be viewed at [acs.org/elections](http://acs.org/elections).

The Society’s 2019 financial performance through July 31st yielded a Net from Operations of \$30.1 million. This is \$10 million favorable to the Approved Budget, and \$1.7 million less than the same period in 2018. Total revenues are right on budget at \$338 million. Total expenses are \$308 million, which is \$10 million favorable to budget. The Board

approved funding for the ChemIDP and the International Student Chapters Programs in the 2020 Proposed Budget as a part of 2020 program funding reauthorization. The Board also approved funding for the Green and Sustainable Chemistry Education Resources pilot for inclusion in the 2020 Proposed Budget. The Society is expected to end the year in compliance with each of the five Board-established financial guidelines. Additional information can be found at [www.acs.org](http://www.acs.org), 'About ACS', then 'Financial'.

New petitions to amend the Constitution or Bylaws must be received by the Executive Director & CEO no later than December 4 to be included in the Council agenda for consideration at the spring 2020 meeting in Philadelphia. Contact the Committee on Constitution and Bylaws with any questions or requests for information at [bylaws@acs.org](mailto:bylaws@acs.org)

There were several actions of the Board of Directors with a focus on key strategic issues. The Board held a well-attended interactive regular session on Sunday, August 25, that featured the work by the Task Force on the Next Generation of the ACS leadership program portfolio as well as a celebration of the tenth anniversary of the ACS Leadership Development System. On the recommendation of the Committee on Professional and Member Relations, the Board voted to approve the Society's nominees for the 2020 National Science Board Public Service Award and the 2020 Tang Prize in Biopharmaceutical Science. On the recommendation of the Joint Board-Council Committee on Publications and an Editor Selection Committee, the Board voted to approve the appointment and reappointment of editors-in-chief for ACS journals. Their names will be announced once they have been notified and practical arrangements for their service to ACS have been finalized. On the recommendation of the Society Committee on Budget and Finance, the Board voted to set the advance member registration fee for national meetings held in 2020 at \$505 – this amount is equal to the 2019 fee, adjusted for inflation – and to approve or reauthorize several program funding requests.

The Executive Director/CEO and his direct reports provided updates to the Board on the activities of Chemical Abstracts Service (CAS) and the ACS Publications Division. This included updates on issues relating to the ACS Core Value of Diversity, Inclusion, and Respect; the current status of Society membership; ACS financials; initiatives associated with the International Year of Periodic Table; and upcoming events and activities. He also invited the Executive Vice President for Scientific Advancement to lead an informal discussion on key issues for that division.

The Board heard reports from members of the Presidential Succession on their current activities as well as those planned for 2020, particularly the presidential symposia and endorsed symposia for this San Diego meeting. The Board liaison for globalization provided a summary of a recent Board survey and received additional feedback from the Board. The goal is encouragement and expansion, where appropriate, of existing successful international activities and initiatives, as well as evaluating current products and program. The Board received a preview of recommendations from the Committee on Strategic Planning for process improvements focused on streamlining the ACS strategic planning process, including an adjustment of the cycle time; inclusion of an analysis of professional association market dynamics; and concentration on only the highest-value elements for the Strategic Plan. The Board received its customary extensive briefing from its Committee on Executive Compensation, which provides regular reviews. The Board received a status update from the Task Force on the Future of Meetings, which is charged with performing a "deep dive" on the current portfolio of ACS meetings and conferences, identifying current offerings, evaluating governance and staff support structures, revenue streams, financial targets, and business models, and recommending actions that will ensure the sustainability and future relevance of that portfolio. The Board also held a discussion with members of the executive committee and staff leadership of the Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) on the vision, mission, and structure of SACNAS and agreed to appointment of a joint ACS-SACNAS task force to develop additional short-term goals, evaluate continued partnership potential, and develop long-term goals.

## In Remembrance: 60-year ACS member Alvin Bober

Date of Funeral: Wednesday, August 14, 2019 Time of Funeral: 3 pm Funeral Location: Levinson Chapel Cemetery:  
Mikro Kodesh Beth Israel Cemetery 6700 Bowleys Lane

Alvin Bober, of Owings Mills, MD, passed away on August 13, 2019 at the age of 97. Mr. Bober was born and raised in New Haven, Connecticut to the late Louis and Esther Bober. He attended Hillhouse High School, then the University of Connecticut for his bachelor's degree in chemistry, and New York University for his master's degree, also in chemistry. After graduation, he took a job at the U.S. Customs office where he met Dena Siegel, and the two were married in May of 1951. Over the course of 60 plus years, Mr. Bober worked in the field of chemistry in several different capacities. He worked at the U.S. Customs office for 34 years as an Analytical Chemist, worked at the State of Maryland Environmental Lab for 10 years, and served as Adjunct Professor of Chemistry at Towson University and UMBC. He loved all aspects of chemistry and was actively involved in the American Chemical Society for 60 years, was a member of the Society for Applied Spectroscopy for over 40 years and was also involved in many other professional organizations. In his spare time, he enjoyed reading, gardening, going to the theater and traveling. He was a lifelong diehard Orioles and Ravens fan, welcomed the opportunity to volunteer at Adat Chaim Synagogue in Owings Mills, and liked to be active, and remain involved professionally. Mr. Bober will be missed greatly by his family, who were the most important thing in his life. He is survived by his loving wife of 68 years, Dena Bober, children, Hope (Greg) Corrigan and Jason (Minna) Bober, and grandchildren, Robert Corrigan, Gabrielle Corrigan, and Onni, Ella, and Olli Bober. Alvin was predeceased by his parents, Louis and Esther (nee Schwartz) Bober, and siblings Shirley Rutenberg, Lillian Rutenberg, Abraham Bober and Mindy Stern.

## Save The Date: The Braude Award

***This year's awardee is Dr. Mary Devadas of Towson University who will be speaking about "Functional Nanostructures: Synthesis and Applications". The award dinner will be held October 23<sup>rd</sup> at Towson University. More details will be forthcoming in October's newsletter.***

## Recent Events

### 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!





## National Chemistry Week Events

Ages 7 & up (7-8 year olds must be accompanied by an adult); 60 min. Registration required\*.

Saturday, **September 7** 2 – 3pm  
Howard County Library System, **Elkridge Branch**  
6540 Washington Blvd, Elkridge, MD 21075

Saturday, **September 14** 11 am – 12 pm  
Howard County Library System, **Glenwood Branch**  
2350 State Route 97, Cooksville, MD 21723

Saturday, **September 21** 2 – 3pm  
Howard County Library System, **Savage Branch**  
9525 Durness Lane, Laurel, MD 20723

Saturday **September 28** 1 - 2 pm  
Carroll County Public Library, **Eldersburg Branch**  
6400 W Hemlock Dr, Sykesville, MD 21784

Saturday, **October 5, 2019** 2 - 3 pm  
Howard County System, **East Columbia Branch**  
6600 Cradlerock Way, Columbia, MD 21045

Saturday **October 12** 2 - 3 pm  
Enoch Pratt Free Library, **Govans Branch**  
5714 Bellona Ave, Baltimore, MD 21212

Saturday, **October 19** 2 – 3pm  
Howard County Library System, **Central Branch**  
10375 Little Patuxent Pkwy, Columbia. MD 21044

Thursday, **October 24** 7 - 8 pm \* For adults and families \*  
Howard County Library System, **Savage Branch**  
9525 Durness Lane, Laurel, MD 20723

Saturday **October 26** 2 - 3 pm  
Enoch Pratt Free Library, **Light Street Branch**  
1251 Light St, Baltimore, MD 21230

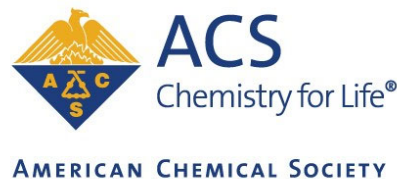
Saturday, **November 2** TIME: TBD  
Prince George County/**TBD**  
(Check back in Oct for details)

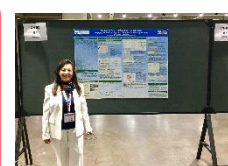
Saturday, **November 9** 2 - 3pm  
Howard County Library System, **Miller Branch**  
9421 Frederick Rd, Ellicott City, MD 21042

Saturday **Nov 16** 11am - 12 pm  
Harford County Public Library, **Jarrettsville Branch**  
3722 Norrisville Rd, Jarrettsville, MD 21084

- To register for programs, please see website of appropriate library website:

- Howard County Library System <https://hclibrary.org/>
- Enoch Pratt Free Library <https://www.prattlibrary.org/>
- Carroll County Public Library <https://library.carr.org/>
- Harford County Public Library <https://www.prattlibrary.org/>





Meeting components and highlights:

1. Poster title:

Montebello Water Filtration Plant-I in Baltimore:  
Engaging students in Physical Chemistry and Mathematics, a STEM Approach

<p style="text-align: center;"><u>Abstract</u> CHED 64 presenter <u>Beatrice Salazar</u>, Immediate past Chair ACS Maryland Section</p>	<p style="text-align: center;">ACS Division: CHED Division of Chemical Education <u>Symposia: General Posters</u> (2019) Organizer: Patrick Daubenmire</p>	<p style="text-align: center;">Outreach Program ACS Maryland Section <u>Tours of the Montebello Water Filtration Plant-I</u></p>
<p style="text-align: center;"><u>History</u></p>	<p style="text-align: center;"><u>Geography</u></p>	<p style="text-align: center;"><u>Previous Poster (2018):</u> ENVR: Division of Environmental Chemistry (see history page 17)</p>
<p style="text-align: center;"><u>ACS Maryland Section</u></p>	<p style="text-align: center;">Future Events April 2020 Tour of the Montebello Water Filtration Plant in Baltimore</p>	<p style="text-align: center;"><u>Photos</u></p>

2) Oral Presentations:

a) Opening Session Chemistry and Water:

MPPG 21: Water's effect on chemistry - Vicki Helene Grassian

MPPG 23: Environmental stewardship and community service: Essential best practices for the clean water utility of the future - Adrew Kricun

MPPG 24: Water, water everywhere, nor a drop to drink - Bego Gerber

b) MEDI 25: Discovery of small molecule inhibitors of neutral sphingomyelinase 2 for the treatment of neurodegenerative diseases.

c) HIST 21: Impact of 20<sup>th</sup> century physics on the periodic table and questions still outstanding in the 21<sup>st</sup> century – Eric Scerri (UCLA)

- d) [HIST 22](#): Uses of the periodic system after radioactivity and the discovery of the neutron:  
Contrasting views of Lise Meitner and Ida Noddack
- 3) Kavli Lectures Series:
- i) [The Kavli Foundation Emerging Leader in Chemistry Lecture](#) Prof. Thomas Markland – Stanford University – Harnessing the Quantum Mechanics of the Hydrogen Bond: from Atmospheric Science to Enzyme Catalysis
- ii) [The Fred Kavli Innovations in Chemistry Lecture](#) Prof. Frances Arnold – California Institute of Technology – Innovation by Evolution: Bringing New Chemistry to Life
- 4) Poster Presentations: [Montebello Water Filtration Plant-I: Engaging students in Physical Chemistry, a STEM Approach](#). General poster session – Division of Chemistry Education, CHED  
August 25, 2019- August 29, 2019  
San Diego California

The objective was to present a poster focusing on the physical chemistry and mathematical considerations involved in the treatment and purification of water. This is the second in a STEM-related poster series initiated in 2018. The first poster focused on the chemistry of water treatment with emphasis on the contribution of chemistry to public health; it was presented at NOLA in the Spring of 2018.

The feedback was very positive. I was encouraged to write more examples of mathematical problems as an additional aid to the poster in a form of study guide for chemistry teachers. I felt very energetic with this rapport. Finally, I received several complementary comments to continue the good job on the STEM project and wishes for best success in the future posters from ACS Maryland Section. Feedback at the meeting was very positive and provided plenty of motivation for additional work. Professors from Brown University, Drexel University, Vanderbilt University and graduate students visited the poster and had suggestions on improving pedagogical aspects. For example, further details will be added to the Gaussian equation used in the determination of the chlorine residual that is used to inform the quantity of chlorine needed during distribution of clean/safe water. Additional mathematical concepts would be best explained using dimensional analysis that could be introduced in general chemistry courses for students in high school.

The last in the series will be a poster focusing on technology and/or engineering involved in water treatment. If you would like to participate you are very welcome.

Please contact [Beatrice Salazar](#) for more details.

**Sources:** Abstracts obtained from ACS Meeting Insider and C&EN August 5, 2019

# 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>

## Announcements

### 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](mailto: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](mailto:service@acs.org)**

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail [acsmarylandsection10@gmail.com](mailto: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](mailto: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](http://www.acsmaryland.org).



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