

2022

The Women
Chemists Committee
invites you to the
ACS February Lecture

by

Dr. Rosa Rivera-Hainaj

Provost at
McDaniel College

P.4



*"I am truly
humbled and grateful to
share my story..."*

Maryland Local Section Newsletter

Editor-in-chief: [Beatrice Salazar](#)

Policy

[Pumtiwitt McCarthy](#), Chair-2020/social media

[Nicole Carbonaro](#), Interim-Web Master

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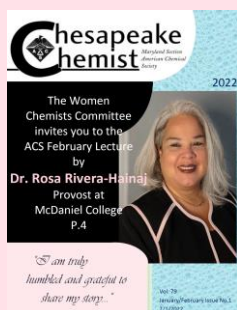
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From the Editor's Desk...



Welcome to 2022. The ACS Maryland Local Section has a new Chairperson: Dr. Sarah Zimmermann from the FDA. The new Chairperson's message is on page 3. On behalf of the members of the ACS Maryland Local Section, I want to wish her and all new officers (page 18) a year full of enjoyment and accomplishments.

We started the new year with the omicron threat but luckily two years' experience on handling the COVID-19 virus has prepared us for what is yet to come. It is up to us to make this new life with so many restrictions an enjoyable one. The Women Chemist Committee (WCC) organized a lecture by Provost Dr. Rosa Rivera-Hainaj from McDaniel College. Her lecture "*From Ponce to Westminster: A Journey in Chemistry*" is on February 16th at 7:00 P.M. Information on Dr. Rivera-Hainaj and her lecture is on page 4; we hope her story will inspire young chemists. International Women's Day will be on March 8th, 2022. Women have come a long way to have their achievements noticed, respected, and accepted.

Education is the pillar that supports the foundation of chemists. We have a short article emphasizing this concept "*what if...*" (page 13).

Goodbye is hard to say when we have enjoyed the company, the knowledge, and the time with people we admire and know. Their ideas, and all moments shared lasts with us forever. Let's say goodbye to our 2017-Remsen Awardee and Nobel Laureate Professor Grubbs (page 14).



Future events / celebrations:

February 14th, Valentine's Chemistry
March 1st - 31st Local Chemistry Olympiad
March 8th, International Women's Day
March 20th, International Water-Day
March 20th - 24th ACS Spring 2022 Meeting
April 2022, Student Awards

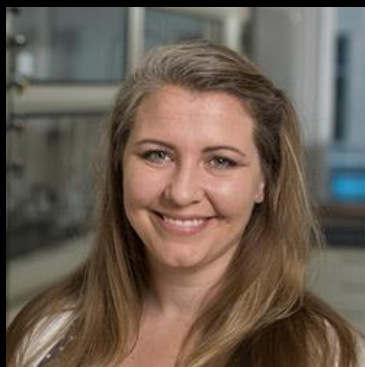
ACS Maryland local Section celebrates the accomplishments and achievement of its members please help us find candidates for the 2022 awards. Thank you for your contributions and cooperation.

Beatrice Salazar

Editor-in-Chief, ACS Maryland Section



CHAIR'S MESSAGE



Dr. Sarah Zimmermann Chemist, FDA

Chair, ACS Maryland Section -
acsmaryland.org

Sarah Zimmermann, PhD
Chemist FDA

<https://www.fda.gov>

U.S. Food & Drug Administration
10903 New Hampshire Ave,
Silver Spring, Maryland,
20903, United States

(92) Sarah Zimmermann | LinkedIn

Recent publication Feb. 2021
Journal ONCOLOGIST

February 1, 2022

Happy New Year Maryland ACS Members! Thank you for the opportunity to serve as your Maryland Section Chair for the 2022 year. Although we are still dealing with a pandemic that seems to be never ending with new variants striking us just as we think things might be calming down, please know that we are focused on providing local ACS content to you in the best manner possible. We will continue virtual meetings and presentations while COVID numbers are still high and hope to provide in-person gatherings once the pandemic improves and we can do so in a safe and effective manner.

We will spend 2022 trying to increase outreach and support to students and academics in the local section. Increasing virtual networking ability and opportunities is paramount in today's professional setting, and we hope to be able to aid local members in their opportunity to network. We will continue to honor local section awards, such as the Braude Award, Remsen Award, MD Chemist of the Year, 50+ Member Luncheon, Student Awards, as well as still supporting activities such as events with the Women Chemist Committee, Project SEED, and Chemists Celebrate Earth Week, and the U.S. National Chemistry Olympiad, to name a few.

In closing, here is to hope for a happy, healthy, productive 2022. If you are interested in becoming more active with the Maryland Local ACS Section or have any ideas on how we can better serve the Maryland Chemist Community, please feel free to contact us at:
acsmarylandsection10@gmail.com.

Sarah Zimmermann

Sarah Zimmermann, Ph.D.

2022 Chair

acsmarylandsection10@gmail.com



BIOGRAPHY

ROSA E. RIVERA-HAINAJ, Ph.D.



Rosa Elena Rivera-Hainaj, born in Ponce, Puerto Rico, attended El Colegio San Conrado, sponsored by the Sisters of St. Joseph and the Dioceses of Ponce, through high school graduation. A graduate of the University of Puerto Rico, Mayagüez Campus (aka EL COLEGIO), she earned a Bachelor of Sciences degree in Chemistry, Magna Cum Laude. Subsequently, she earned a Ph.D. in Biochemistry degree at Case Western Reserve University. Rivera-Hainaj was an adjunct professor of Chemistry at both Notre Dame College of Ohio and Baldwin Wallace University, while still in graduate school. In 2001, she accepted a position as Visiting Assistant Professor of Chemistry at John Carroll University.

In 2002, Rivera-Hainaj joined the faculty ranks of James Madison University in Harrisonburg, VA, as Assistant Professor of Chemistry. In 2006, she joined Purdue University North Central (now Northwest) where she was promoted to Associate Professor of Chemistry. In 2010, she was named Interim Chair of the Department of Biology and Chemistry. While both at

James Madison and Purdue North Central, Rivera-Hainaj obtained several grants to conduct research, including awards from the National Science Foundation, the I-STEM program of Indiana and the Indiana Department of Education. In 2011, Rivera-Hainaj became Dean of Science and Mathematics at Lorain County Community College in Ohio. As Dean, she was responsible for all the instructional programs and services offered throughout the Science and Mathematics division, with an average annual enrollment of ~8,000 students in 6 disciplines; managed a budget of ~\$4.5 M, managed and supervised program development and evaluation; faculty and staff hiring, supervision and communication (140+ faculty/staff); facilities (and maintenance); and the marketing and promotion of all available services within the division.

Rivera-Hainaj joined Our Lady of the Lake University in San Antonio, Texas, in July 2017, first as Assistant Vice President of Academic Affairs, and promoted to Associate Vice President of Academic Affairs in Jan 2019. She had broad responsibility for the development and implementation of academic programming that supports the delivery of high-quality undergraduate education and students' successful and timely completion, as well as the leadership of the Rio Grande Valley university site (that includes both graduate and undergraduate programming).

Most recently, she was selected as McDaniel College's new provost following a national search, the first Latina to hold the position. As provost and chief academic officer, she oversees the Academic and Campus Life division, which also includes Athletics. She has broad responsibility for both the undergraduate and graduate academic programs, as well as being responsible for student programs and services.

Rivera-Hainaj has taught in the fields of biochemistry, chemistry, biology, mathematics, physical science and pharmacology; published her research in various journals; provided professional development at

K-12 and institutions of higher education; and presented at numerous conferences and forums around the world. Her honors include: The Dr. Idahlynn Karre Exemplary Leadership Award – 2016, The Chair Leadership Academy; 40/45 Class of 2014 – Kaleidoscope Magazine, Cleveland, OH; Career Advancement Award- National Science Foundation – 2007; Pre-doctoral fellowship, National Institutes of Health – 1996.

Rivera-Hainaj is married to Neritan Hainaj. Together they have three children, George, Louis, and Anthony.

WCC

February Lecture

We are honored to present our Women Chemists speaker for 2022.

Dr. Rosa Rivera-Hainaj

We invite you to attend the Maryland ACS Women Chemists Zoom meeting on February 16, 2022 at 7:00 P.M.

"From Donce to Westminster: A Journey in Chemistry"

<https://american-chemical-society.zoom.com/j/84671967371?pwd=bCs4dVFIZFhvYmRTREJITmdTbC95UT09>

Meeting ID: 846 7196 7371

Password: WCC

More on Dr. Rivera-Hainaj

[McDaniel College announces new Provost, July 2021](https://gbc.org/mcdaniel-college-names-new-provost-cfo/) , <https://gbc.org/mcdaniel-college-names-new-provost-cfo/>



<https://www.linkedin.com/in/rosa-rivera-hainaj-67b79a3a/>

"I am so excited to be joining the McDaniel family this summer," [said Rivera-Hainaj](#). "McDaniel is an institution that values holistic, deep learning, engaging students in a rigorous education while developing them into steadfast citizens. I appreciate the strengths, opportunities and challenges [McDaniel](#) presents as it moves to advance its national standing, grow enrollment and ensure sustainability."



WCC Lecture February 16, 2022

"From Ponce to Westminster: A Journey in Chemistry"



ABSTRACT:

This presentation showcases the academic and life voyage of Dr. Rosa Rivera-Hainaj, starting as a girl growing up in Ponce, PR, and currently being the Provost at McDaniel College. Each choice she has made has positioned her for the next one, both professionally and personally. What makes someone like her choose to teach undergraduate students upon obtaining her PhD in Biochemistry? What made her then choose to become a full-time administrator? What experiences has she being able to garnish and apply by working at different types of higher education organizations? This journey has been possible because she stands on the shoulder of giants - join us as Dr. Rivera-Hainaj shares "From Ponce to Westminster: A Journey in Chemistry".

Contact:

Dr. Rosa Rivera-Hainaj, Provost
McDaniel College
2 College Hill
Westminster, MD 21157



rhainaj@mcdaniel.edu
www.mcdaniel.edu



WCC

at
Maryland Local section

Committee Chairs



[Professor Saraswathi Narayan](#)
Stevenson University



[Kelly Elkins, Ph. D.](#)
Towson University

Our Mission

is the same [Mission of ACS](#)

To attract, retain, develop, promote, and advocate for women to positively impact diversity, equity and inclusion (DEIR) in the Society and the profession.

We want to empower women throughout the chemical enterprise by creating lectures every February of each year, through ACS Maryland Local Section. Contact us if you are interested in learning more about what we do at the national and local level or if you are interested in participating in our yearly lectures. We need your expertise to be shared with women chemists locally and around the world.

There are approximately 109,000 chemists employed in the USA and only 38.9% are women, if we want to increase diversity and opportunities, we need to change these numbers, together we could start these needed changes. As of 2019 according to demographics reported in C&EN: White chemists 68.8%, Asian 16.5%, Black, or African American 5.5% (a reduction of 2.2% of blacks as per demographics in Zippia.com and a slight increase in other races), Hispanic or Latino 7.3%, American Indian and other 1.8%. Chemistry degrees: Bachelors, 80%, Masters 11%, Associate 5%, Doctorate 3%, Other degrees 1% (2019_Zippia.com).

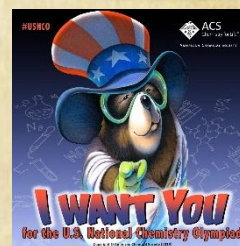
HISTORY CORNER...



2020



2021



2022

2021 [Team USA students celebrating their success at the 53rd IChO](#) (L to R): Yitian Zhu (gold medal), Nikhil Seshadri (silver medal), Kien Phuong* (silver medal), Qiyang Zhou (gold medal) Photo courtesy of David Horwitz.

*Kien Phuong of Landon School, MD (Chemical Society of Washington).

2020 [Team USA students celebrating their success at the 52th IChO](#). Alexi Li from the Team USA wins Gold Medal at the IChO in Turkey!



U.S. National Chemistry Olympiad, USNCO

The U.S. National Chemistry Olympiad is a multi-tiered chemistry competition. The top four students of the national competition represent the United States in the annual International Chemistry Olympiad. Contact us: USNCO@acs.org

International Chemistry Olympiad, IChO

IChO is an annual academic competition for high school students. Up to 4 students for each national team compete around July in both a theoretical and experimental sections, with about half of the participants being awarded medals.

- 2022 ALL YOU NEED TO REGISTER AND TO BE INFORMED ABOUT 2022 U.S. NATIONAL CHEMISTRY OLYMPIAD, USNCO <https://www.acs.org/content/acs/en/education/students/highschool/olympiad.html>. The following pages will show the rules and orientation series of webinars for this year virtual competition.
- 2021 The second year USNCO and IChO are held virtually. As a result, a series of webinars have been created for information about the Chemistry Olympiad, for preparation of the exams, and to facilitate participation in the competition.
- 2020 Makes History [The First-Time Virtual International Chemistry Olympiad, IChO](#)
[52nd IChO 2020 in Istanbul, Turkey](#) due to COVID-19 restrictions. (60 Teams, 235 competitors)
- 2012 The 44th IChO was held in Washington, D.C., United States, July 21–30 (72 teams, 283 competitors)
- 1968 The first IChO was held in Prague, [Czechoslovakia](#).

By Beatrice Salazar, USA Chemistry Olympiad Coordinator [Maryland Local Section](#)

USNCO Rules & Eligibility

All high school students attending the high schools in the US are eligible to participate in the local level competition organized by ACS Local Sections.

These rules apply to the U.S. National Chemistry Olympiad Exam only:

- Students must be U.S. citizens or legal, permanent residents of the United States (green card holders) to take the U.S. national examination.
- High school students who will graduate no earlier than the first of May of the year in which they participate in the competition are eligible.
- Students must be under the 20 years of age on the first of July of the year of the competition.
- No more than two students per high school per local section may be nominated to take the national exam. In the case of magnet programs, split enrollment, or cyber students, a student's school is defined as the high school from which the student will receive his or her diploma.
- Eligible students who have previously attended the study camp automatically qualify for the national exam and do not count against the limit on the number of eligible students from their local section or school.
- Winners of gold medals at the International Chemistry Olympiad are not eligible to participate in subsequent National Exams, study camps, or International Chemistry Olympiad competitions
- Students who have taken advanced placement courses in chemistry are eligible.
- A student may participate only in the competition of the section in which the student's high school is located. In the case of a cyber-student, the student shall participate in the local section where he or she is geographically located, regardless of where the cyber school is located. Cyber schools can nominate no more than two students.
- A student who participates in the Physics Olympiad study camp, the Mathematics Olympiad study camp, or the Biology Olympiad study camp is not eligible to participate in the Chemistry Olympiad study camp during the same summer.
- Only non-programmable calculators are to be used on the national exam and on the ACS local section exam, if used. The use of a programmable calculator, cell phone, or any other device that can access the internet or make copies or photographs during the exam is grounds for disqualification.

Students who are U.S. Citizens Living Abroad

A local and the national competition must be organized by an ACS International Chemical Sciences Chapter. Eligible students must be U.S. Citizens or legal, permanent residents of the USA (green card holders), enrolled in an American school* for at least one year, and under the age of 20.

* American school is defined as a school accredited by either the Middle States Association of Colleges and Schools (MSACS), the Western Association of Schools and Colleges (WASC), the Southern Association of Colleges and Schools (SACS), the New England Association of Schools and Colleges (NEASC), the North Central Association of Schools and Colleges (NCASC), or the Northwest Association of College and Schools (NACS).

USNCO Webinars

A series of USNCO webinars targeted to coordinators, teachers, and/or students will be hosted in 2021. The topics and schedule for 2021 is below. For questions, email USNCO@acs.org.

Topic

Watch the webinar: [Introduction to the USNCO for Students](#)

Presenter: Christine Saber, Erie LS.

Panelists: Beatrice Salazar, Maryland LS; Mitk'El Santiago, Puerto Rico LS; and Yitian Zhu, 2021 IChO gold medalist.

Watch the webinar: [Preparing for the USNCO Local Section Exam for Students](#)

Presenter: Esther Hines, Northeastern LS.

Panelists: Monica Arroyo, Puerto Rico LS; Denis Merat, Memphis LS; and Andrew Wu, 2018 IChO gold medalist

ALL YOU NEED TO REGISTER AND TO
BE INFORMED ABOUT
2022 U.S. NATIONAL CHEMISTRY OLYMPIAD,
USNCO

<https://www.acs.org/content/acs/en/education/students/highschool/olympiad.html>

PREPARING FOR 2022 USNCO

Introduction to the USNCO for Students (Oct. 22nd, 2021)

Introduction to the USNCO for Students (Oct. 22nd, 2021)

Introduction to the USNCO for Students (Oct. 22nd, 2021)

Introduction to the USNCO for Students (Oct. 22nd, 2021)

To listen to Panelist Beatrice Salazar use the webinar link below and go to time: 38:9 - 50:23 to watch the video use time: 49:07

An Example of What a Local Section Can Do for You

Watch the webinar: [Introduction to the USNCO for Students](#)

Presenter: Christine Saber, Erie LS.

Panelists: Beatrice Salazar, Maryland LS; Mitk'El Santiago, Puerto Rico LS; and Yitian Zhu, 2021 IChO gold medalist.

This webinar was prepared in conjunction with ACS in order to prepare students and answer all possible questions high school and teachers may have regarding the U.S. National Chemistry Olympiad.

PREPARING FOR 2022 USNCO Continues...

INFORMATION ON THE USNCO LOCAL EXAM

The USNCO Local Exam

1. Topics, Format
2. Example questions.
3. Resources
4. Test preparation Tips

Preparing for the USNCO Local Section Exam

1. TOPICS, FORMAT

1. Topics
2. 60 multiple choice questions
3. 110 minutes (suggested time)
4. Periodic Table, constants, and some formulas are provided!

Questions	Topic
1 - 6	Stoichiometry/Solutions
7 - 12	Descriptive/Laboratory
13 - 18	States of Matter
19 - 24	Thermodynamics
25 - 30	Kinetics
31 - 36	Equilibrium
37 - 42	Oxidation - Reduction
43 - 48	Atomic Structure/Periodicity
49 - 54	Bonding/Molecular Structure
55 - 60	Organic/Biochemistry

Preparing for the USNCO Local Section Exam

What to bring to the Exam?

- Non-Programmable Calculator (TI-Series 36 and below are OK)

N#2 Pencils

Erasers

Preparing for the USNCO Local Section Exam

2. How to Register for the Local Exam

- Students who are interested in competing **must go through a high school chemistry teacher** who will register their school to participate in the program.
- **Home-Schooled students** can register through an ACS local section coordinator nearest to the student's home.
- Contact **LOCAL COORDINATOR** if you have any questions, your local coordinators can be found through the ACS Chemistry Olympiad website.

[Find Your USNCO Coordinator](#)

Preparing for the USNCO Local Section Exam

ACS Resources

USNCO Support Programs

- Webinars
- Coaching
- Preparation Hub

Preparing for the USNCO Local Section Exam

4. Recognition for participation

- All students who participate in any form of USNCO Local Competition receive the USNCO Local Competition Participation Certificate
- Local Section can honor best students in each school for their performance
- Students may receive additional recognition form their ACS Local Section
- The success of students in the Local Competition can be publicized in local media, school newspaper, social media etc.
- Students can use the certificate in their college application and resume

Preparing for the USNCO Local Section Exam

Watch the webinar: [Preparing for the USNCO Local Section Exam for Students](#)

Presenter: Esther Hines, Northeastern LS.

Panelists: Monica Arroyo, Puerto Rico LS; Denis Merat, Memphis LS; and Andrew Wu, 2018 IChO gold medalist.

This Collaboration among different tlocal sectios has been possible by [Margaraet Thatcher](#) and [Lily Raines](#)

- Margaret Thatcher, Program Specialist, U.S. National Chemistry Olympiad American Chemical Society, Phone:202-872-6328 www.acs.org/olympiad
- Lily Raines, Ph.D.Manager, Office of Science Outreach, American Chemical Society | 1155 16th Street NW | Washington, DC 20036 USA, Office: + 202-872-4574 | Cell: + 202-450-8310 www.acs.org/outreach



EDUCATION

What if...



Lesson on Newton's gravity *



Lesson on...

Science: Chemistry - National Chemistry Week is one vehicle to target grade students especially girls to become involved in the field of chemistry (science in general, along with technology, mathematics and engineering) but getting them interested is still a challenge. Making math and science more fun, more practical might help, so girls and boys can see something that a scientist is doing.

Technology: Let's hink about what is technology. Gadgets and instruments to make the work easier or interesting, example programmble calculators, robotic kits, chemistry kits, DIY & experiment kits, computarized challenging assignments for home science lab.

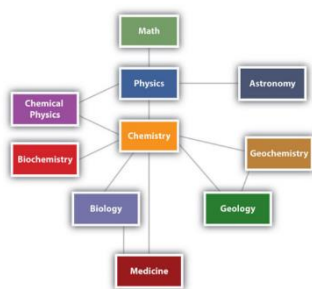
What is important is the concept to be learned and that the instrument or the kit be relevant.

Animal life cycle kits, like butterfly gardens and frog hatchery science kits, will create a wonder for kids with the miracle of metamorphosis. Rocks & minerals, Perfume Science Kit, Crystal Growing Kit, or Slime Kit, will inspire creativity and allow children to explore and learn about chemical reactions. Engineering & building kits, like Circuits Kits, will help children to develop problem-solving & knowledge of electronics. And telescopes direct your little scientist's gaze out of this world.

Engineering: Chemistry that connects to math, and physics; applications specific to engineering. The principles of chemistry, applied mathematics and physics, economics, biochemistry, and

microbiology, to efficiently use and transform chemicals, matter, and energy. Learn to design and maintain projects by which chemist convert raw materials and organic matter into energy and other useful chemical substances.

Mathematics: Chemistry mathematics refers to solve chemical problems using mathematical techniques often found in arithmetic, algebra, calculus (including partial differential equations). Even simple calculations, such as working on chemical formulas and equations, logarithmic functions, mathematics to deal with ratios and proportions, units and dimensions, and simple statistics. Chemists plot graphs of their observations and results and use advanced mathematics to deal with rates of change in chemical reactions, to find maximums and minimums, or other extremes or inflection points. Let's add interpretation of graphs and results, the heart of the process.

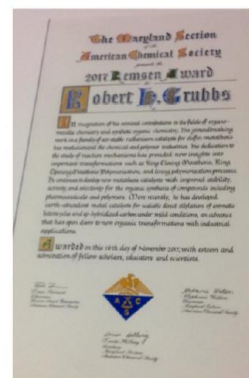
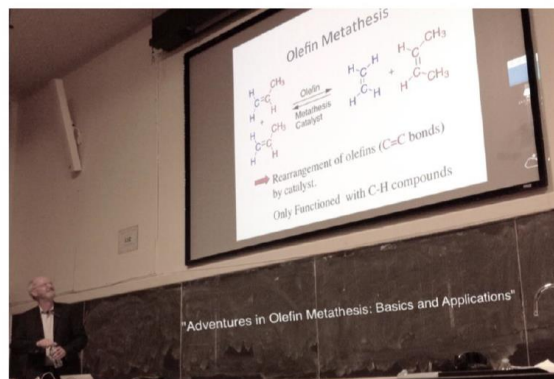
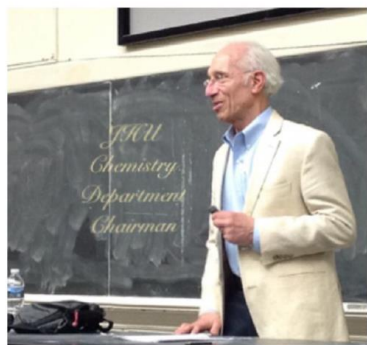


* The photo refers to a lesson in physics and the innovative process of teachers to call the attention of the students. Newspaper photo from Teacher of the Year 2005. The second photo is "what if..." scientists do the same to call the attention of his/her students. Article by Beatrice Salazar, former University and High School teacher of chemistry, mathematics, and physics at Wisconsin University, UWM, Eastern Connecticut State University, ECSU, and PA and Baltimore County School Districts. Article, January 12, 2021.



Remembering with Admiration and Gratitude the 2017 Maryland Remsen Award Recipient Nobel Laureate Robert H. Grubbs (1942-2021)

"... he made us laugh..."



Robert H. Grubbs, Victor & Elizabeth Atkins Professor of Chemistry at Caltech, is the recipient of the 2017 [Remsen Award](#), presented by the ACS Maryland Section for outstanding achievement in chemistry keeping with Ira Remsen's long and devoted career as an exponent of the highest standards in teaching and research in chemistry. The award created in 1946 is named after Ira Remsen, Johns Hopkins University's first professor of chemistry and second president.

In 2005, Dr. Grubbs received the Nobel Prize in Chemistry for his work on olefin metathesis, an honor he shared with Profs. Chauvin and Schrock.

Photos: Hosting the Remsen award lecture visit, Dr. David R. Yarkony, Maryland Chemist of the Year -2020 and Chair of JHU chemistry Department, Dr. Grubbs, his inscribed Remsen Award, Dr. Dana Ferraris, recent Braude Award recipient and Maryland local section Remsen Award Chair, and Beatrice Salazar ACS Maryland Local Section Chair - 2018.

Reports

ACS LEADERSHIP INSTITUTE - REPORT January 21-23, 2022



Attendees from ACS Maryland Local Section: Jiangnan Peng, PhD. Chair-Elect, and Beatrice Salazar, Councilor ACS Maryland. The leadership courses were tailored to specific leadership.

The Leadership Institute meeting was cancelled and converted to a virtual meeting on January 7, 2022.

The ACS Leadership Institute is an annual invitation-only conference

where ACS leaders come together to learn both management leadership skills to enable them to be successful leaders within the American Chemical Society. It is a track-based training and development.

Foundation and advanced courses are offered online May - September 2022.

With this year's Division Leaders, the New National Committee Chairs, Local Sections Leaders and Young Chemists

Leaders. The virtual kick-off speakers were, Paul Jagodzinski, Chair of the ACS Board of Directors and Angela Wilson, ACS President. Information included the announcement that hybrid courses and workshops will be available during the ACS Spring Meeting in San Diego.

Pre-Work- Leadership Institute attendees were assigned to review the mission and goals of the ACS.

Budget Proposal - Report

Maryland Section of the American Chemical Society 2022 Budget (PROPOSED)

	2020	2021	2022	Comments
TOTAL Revenue	51,769	46,906	38,980	

* \$33,000.00 and other monies included in the 2022 proposed expenses comes from 2019 revenue. Details will be discussed in the 1st 2022 executive committee meeting.

TOTAL Expenses	13,316	7,635	88,735*	
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4th Executive Meeting of 2021 - Report

The fourth and last meeting of 2021 took place virtually on December 10, 2021. Dr. Cotton, Chair of the ACS Maryland Local Section presided the meeting, and delegated the chair duties to 2022 new Chair, Dr. Zimmermann.

Two of the most interesting points discussed in the agenda were 1. The recent changes to the ACS Maryland Local Section by-laws, the vote for the changes will happen in the first executive meeting of 2022, and 2. The monetary donation of \$33,000 from ACS Maryland to all existent 2-4 year colleges in the Local Section area. (See minutes 12/10/21).

2021 Maryland Chemist of the Year Award - Report



The ACS Local Section of the American Chemical society, celebrated the scientific achievements of Dr. Takashi Tsukamoto, Associate Professor at the Drug Discovery Department, Johns Hopkins University. He was selected as the Maryland Chemist of the Year 2021. The virtual ceremony took place on December 8, 2021.

Dr. Tsukamoto presented a lecture "[Connecting Fluorinated dots.](#)" Three colleagues talked about Dr. Tsukamoto's life: first, as a volunteer for the ACS Maryland Local Section, second as a co-worker and friend including his interest in wine and ART, and third, his supervisor for more than 25 years gave an interesting and hilarious talk about his life and work. The presenters were:

Barbara Slusher, PhD

DIRECTOR,
 JOHNS HOPKINS DRUG DISCOVERY PROGRAM; PROFESSOR, NEUROLOGY, MEDICINE, PSYCHIATRY, NEUROSCIENCE, PHARMACOLOGY, AND ONCOLOGY

Camilo Rojas, PhD

FORMERLY ASSOCIATE PROFESSOR NEUROLOGY DEPARTMENT at JHU
 BIOCHEMISTRY INSTRUCTOR, MORGAN STATE UNIVERSITY

Beatrice Salazar, MS

ACS MARYLAND COUNCILOR
 Chesapeake Chemist Editor-in-Chief and Coordinator of USNCO and Chemists Celebrate Earth Day

Angela Sherman, PhD

MARYLAND CHEMIST OF THE YEAR AWARD COMMITTEE CHAIR
 ACS MARYLAND LOCAL SECTION Award Presenter

ACS Maryland Student Travel Awards - Report

January 20, 2022 is the date The ACS Maryland Local Section announced the recipients of this year's travel grants. Each student will receive \$500 travel grants for the spring ACS meeting in San Diego. Student will report their research, photo and expenses receipts. Contact: [Dr. L. Hellwig](#).

Congratulations to the following students:

Student	Classification	University	Principal Investigator
Dr. Michael Rose	post-doc	UMBC	Dr. Blaney
Alexandra Chan	graduate	UMBC	Dr. Blaney
Christopher Goodis	graduate	UMBC	Dr. Blaney
Jahir Batista	graduate	UMBC	Dr. Blaney
Yuyang Ji	graduate	JHU	Dr. Klausen
Cassie Block	undergraduate	SMCM	Dr. Neiles
Pamela Abbott	undergraduate	Towson U	Dr. Tierno
Dariush Aligholizadeh	undergraduate	Towson U	Dr. Devadas

ANNOUNCEMENTS

CALL FOR NOMINATION: 2022 Braude Award - 2022 Deadline: June 1, 2022

<https://acsmaryland.org/braude-award/> The Braude Award created to honor a professor conducting outstanding research involving students at a college or university in the Chesapeake region, is awarded every year in October. The award ceremony takes place at the October ACS Maryland Section meeting. The honored recipient presents his/her research and receives a plaque describing his/her contributions to chemistry. In addition, the honoree receives monetary award to help support further student research. Nominations for the 2022 Braude Award nominations are open for submission now. Nominees must be members of the ACS Maryland local Section of the American Chemical Society. We encourage underrepresented candidates both men and women. Please submit a list or description of the research accomplishments of the nominee, as well as an indication of the number of students involved in the research to Louise Hellwig. Email: louise.hellwig@morgan.edu.

TRAVEL AWARDS

<https://acsmaryland.org/travel-awards/>

Spring deadline: January 20, 2022

Fall deadline: May 10, 2022

Contact: [Louise Hellwig](mailto:Louise.Hellwig@Morgan.edu)

CALL FOR NOMINATION:

2022 Maryland Chemist of the Year Award
Deadline: August 1, 2022

<https://acsmaryland.org/maryland-chemist-of-the-year/>

CALL FOR CONTRIBUTIONS to the

2022 Chesapeake Chemist Newsletter, CCNL.

<https://acsmaryland.org> Send your **articles**, ideas and comments to us. We will share your chemistry interest with your colleagues. **SECTIONS ON BOOKS...** Which 3-5 books influenced you or your career? Provide title, author, edition, year of publication and a brief paragraph on how the book influenced you and why.

ARTICLES... Did you read a fascinating article recently?

or long time ago? Share your comments with younger scientists and colleagues in our section:

CHEMISTRY LITERATURE SPOTLIGHT

Chemistry in the Library: National Chemistry Week

K-8 Outreach program hands-on experiments exploring chemistry.

Contact:
 Rose A. Pesce-Rodriguez
rose.a.pesce-rodriquez.civ@mail.mil

2022 ADMINISTRATION OFFICERS

2022 SECTION OFFICERS

Chair 2022.....	Sarah Zimmerman, Web Master, scatzim@gmail.com
Vice-Chair 2022.....	Kelly Elkins Kmelkins@towson.edu
Chair-Elect (Chair 2024)....	Jiangnan Peng, jiangnanpeng@morgan.edu
Secretary 2022.....	Louise Hellwig, Morgan State University, louise.hellwig@morgan.edu
Treasurer 2022.....	Lee J. Lefkowitz, lee_lefkowitz@hotmail.com
Past Chair (2021).....	Eric C. Cotton, Community College, of Baltimore County, ccotton2@ccbcmd.edu

2022 SECTION COMMITTEE ON NOMINATIONS and ELECTIONS

Chair of the Committee on Nominations.....	James A. Saunders jsaunders@towson.edu
Additional 4 members:	Dana Ferraris, Chair-2019, dferraris@mcdaniel.edu
.....	Pumtiwitt McCarthy, Chair-2020, pumtiwitt.mccarthy@morgan.edu
.....	Beatrice Salazar, Chair-2018, beatricesalazar1@gmail.com
.....	Sara Narayan, Stevenson University, Chair-2015, SNARAYAN@stevenson.edu

COUNCILORS/COMMITTEES

1. 2020-2022 Kelly Elkins Kmelkins@towson.edu
2. 2021-2023 Beatrice Salazar beatricesalazar1@gmail.com
3. 2021-2023 Jan Kolakowski jek6042@gmail.com
4. 2021-2023 Stephanie Watson stephanie.watson@nist.gov

ALTERNATE COUNCILORS/COMMITTEES

1. 2021-2023 Alexander Samokhvalov alexandr.samokhvalov@morgan.edu
2. 2021-2023 Rob Clapper rob.clapper@scioninstruments.com
3. 2021-2023 Michele Foss foss.michele@gmail.com
4. 2020-2022 Paul Smith pjsmith@umbc.edu

MEMBERS-AT-LARGE

1. Nirupam J. Trivedi, nirupam.j.trivedi@mail.mil
2. Fasil Abebe fasil.abebe@morgan.edu
3. Nicole Carbonaro, ncarbonaro@towson.edu
4. Rose A. Pesce-Rodríguez, rose.a.pesce-rodriguez.civ@mail.mil
5. Sara Narayan, Stevenson University, SNARAYAN@stevenson.edu

Maryland Section on the Website: www.acsmaryland.org

2022 Webmaster..... Nicole Carbonaro, ncarbonaro@towson.edu

Chesapeake Chemist Editor-in-Chief... Beatrice Salazar, Chair-2018, beatricesalazar1@gmail.com

Social Media Liaison..... Pumtiwitt McCarthy, Chair-2020, pumtiwitt.mccarthy@morgan.edu

CONTACT US: acsmarylandsection10@gmail.com

PROGRAM CHAIRS

AWARDS

Braude Award, L. Hellwig
Remsen Award, D. Ferraris
Maryland Chemist of the Year Award,
Open Position
Senior Chemist Award, M. Eiss / L. Gonzalez
Student Award, S. Narayan

PROGRAMS

Women Chemists Committee, S. Narayan/K. Elkins
Student Travel, L. Hellwig
High School Outreach: National Chemistry Olympiad & Chemists Celebrate Earth Day, B. Salazar
Middle and Elementary School Outreach (National Chemistry Week, Earth Day Week), R. A. Pesce-Rodríguez
Publicity, P. McCarthy / B. Salazar/ R. Clapper
Entertainment/Tours, M. Foss / L. Hellwig

EVENTS CONTACT

The U.S. National Chemistry Olympiad
USNCO MARYLAND

URL: <http://www.beatricesalazarusncocoordinator.webs.com>

Jan - April

Student Travel Awards

<https://acsmaryland.org/travel-awards/>

Email: Louise Hellwig <Louise.Hellwig@morgan.edu>

Jan – March

Student Award <https://acsmaryland.org/student-awards/>

Email: Sara Narayan, SNARAYAN@stevenson.edu

Chemists Celebrate Earth Day - beatricesalazar1@gmail.com

April

Senior Awards

Email: Merle Eiss, meiss32@aol.com

Email: Linda Gonzalez <linda_gonzalez@mccormick.com>

May

National Chemistry Week Events

[Rose Pesce-Rodriguez](#)

<http://www.beatricesalazarusncocoordinator.webs.com>

Beer Tours: Louise Hellwig <Louise.Hellwig@morgan.edu> & Michele Foss <foss.michele@gmail.com>

May - Sept.

Braude Award

<https://acsmaryland.org/braude-award/>

Email: Louise Hellwig <Louise.Hellwig@morgan.edu>

Oct.

The Remsen Award

<https://acsmaryland.org/remsen-award/>

Email: Dana Ferraris (dferraris@mcdaniel.edu)
<dferraris@mcdaniel.edu>

Nov.

The Maryland Chemist of the Year Award

<https://acsmaryland.org/maryland-chemist-of-the-year/>

Open position

Dec.



Laugh a Little...

- For our chemistry exam we had to write a thousand words on acid, Unfortunately, my pen turned into a gorilla and the floor melted.
- Love is chemistry... Sex is physics.
- Why does a hamburger have less energy than steak? Because it's in the **ground state!**
- Why should you go drinking with neutrons? Because wherever they go, there's **no charge!**
- What happens when you lower your body temperature to -273°C ? Nothing, you're perfectly **OK!**
- What is the chemical formula for sea water? **CH₂O!**



COMMENTS:

Thank you for your contributions!

We sincerely appreciate your contributions and the time you spend writing articles, comments and news for our newsletter. Your Collaboration makes this newsletter an important part of the Maryland Local section activities.

Useful Links:

- <https://www.editage.com/insights/a-young-researchers-guide-to-perspective-commentary-and-opinion-articles>
- Senior Chemists presentations: [Dr. G. Lozos, Dr. R. Berninger and Dr. C. Milton](#)
- Chemical demonstrations <https://acsmaryland.org/chemistry-video-links/>

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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 Maryland ACS membership in October 2006.

Changing your e-mail address? Moving out of the MD ACS area?

Let us update your email if you have any changes.

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

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