Next Meeting:

Thursday, February 21
Moravian College

Speaker
Dr. Salvatore Salmon

Location:  Northampton Community College
5:30 - 6:00pm  Socializing, Hors d'oeuvres
6:00 - 7:00pm  Dinner
7:00 - 8:00pm  Seminar by Invited Speaker, Dr. Sal Salamone
8:00 - end  LVACS Business Meeting

Invited Speaker - Dr. Salvatore J. Salamone, President & CEO of Saladax Biomedical

Dinner menu and specific building/room locations will be announced in the February Octagon

RSVPs for both meeting attendance and dinner should be sent to Ann Sywensky (sywenskya@moravian.edu)
One-hundred and fifty years ago, Dmitri Mendeleev first presented his periodic system to the Russian Chemical Society, forever shaping the way we look at the elements. His system, which organized the elements based on atomic weight, valence, and measurable properties, laid the foundation for today’s Periodic Table. In honor of this, The United Nations has declared 2019 to be the International Year of the Periodic Table.
Organic Chemistry Scholarship Announcement

The Lehigh Valley Section of the American Chemical Society will award its annual Scholarship for Organic Chemistry this spring! To be eligible, students should be below the junior level, currently enrolled in organic chemistry at an institution in the section, and a chemistry, biochemistry, or chemical engineering major. The competition entails taking the ACS Organic Chemistry Examination (45%), a brief letter of recommendation from the student’s organic chemistry professor (10%), and an essay on a topic in organic chemistry (45%). The value of the scholarship is $1000. Additionally, the top essay will receive $100. Details about the exam, letter, and essay follow below. Students should indicate their interest in the scholarship by April 26th, 2019 to Dr. Michael Bertucci (bertuccim@moravian.edu)

ACS Organic Chemistry Examination: The exam will be administered on Saturday, April 27th, 2019, at Moravian College, Bethlehem, PA from 9:00–11:00 AM. Students should report to the entry foyer of the Collier Hall of Science, which is on the Main Street Campus. For driving directions and campus map see https://www.moravian.edu/about/campus. Juice and bagels will be available at 8:45 AM.

Essay: The student should address the impact of an organic molecule or process in organic chemistry on society and his or her personal interest in it. The essay should be written at a level to interest and educate a general chemist who has completed sophomore-level organic chemistry. If a molecule is chosen, the synthesis, including key mechanistic features and structural analysis, should be covered. If a process is chosen, the physical and chemical basis for its success should be explained. Appropriate use of structures to facilitate understanding of the chemistry is expected. An additional page with references must be included. References should follow the guidelines as delineated in the ACS Style Guide. The essay should run from 1000 to no more than 1200 words in Times New Roman 12-point font with one-inch margins on all sides. The references and figures are not considered in the overall word count. Each page should have a header with the student’s last name, brief essay title and page number. The winning essay after editing may be published in a future issue of the Octagon.

The essay will be rated on:
Appropriate depth of coverage of the molecule or process
Appropriate depth of coverage on the impact on society and student’s interest
Ease of reading, including grammar, spelling, and logical flow of the material
Appropriate use of scholarly references & formatting
Organic Scholarship Continued…

The essay should be submitted electronically to bertuccim@moravian.edu by the student before the exam begins on April 27th. The essay can be submitted at any time before the day of the exam; so, if you have a busy semester coming up, you are encouraged to get started early!

Letter of Recommendation: Professors writing a letter of recommendation on behalf of a student who is applying for the Lehigh Valley ACS Scholarship should speak to the student’s skills in lecture and laboratory in Organic Chemistry I and Organic Chemistry II. Please provide the course grade for Organic Chemistry I and comment on performance on written exams, proficiency in organic lab, and participation in course-related activities. If possible, address the student’s quantitative skills by commenting on her or his performance in quantitative analysis or its local equivalent. The letter of recommendation must be signed on institution letterhead and submitted electronically to bertuccim@moravian.edu by the student’s professor before the exam begins on April 27th.

LVACS Event

Career Connection Days at DaVinci Science Center.

Nigel Sanders did a great job with the display and setting up the experiments. There were many cool activities for kids to enjoy!
Member Announcements

Celia Williams has been appointed as an Associate Member on the Committee on Analytical Reagents (CAR). The Committee on Analytical Reagents sets purity standards for over 400 commonly used chemical reagents, establishes validated analytical procedures for determining the purity of these reagents and incorporates modern analytical technology to improve accuracy, precision and sensitivity of existing methods. This work leads to periodic revision of the book “Reagent Chemicals”, which is available in both hardcopy and electronic formats.

Congratulations to Celia for this recognition!

Lorena Tribe, Professor of Chemistry, assumed the role of Chair of the Division of Colloid and Surface Chemistry (COLL) of the American Chemical Society (ACS) on January 1st, 2019. COLL organizes scientific symposia at two national meetings of the ACS every year and provides oversight for the summer Colloid and Surface Science Symposia, most recently held at Penn State – University Park. Tribe was first elected the leadership of COLL as Secretary (2014–2016), then as Vice Chair in 2017 and Chair Elect in 2018. She served as The Colloid and Surface Chemist Editor from 2015 to 2017, assisted in the renewal of COLL’s strategic plan in 2016 and has been active both in obtaining grants and promoting initiatives for the division. Tribe attended the 2018 ACS Leadership Institute in Dallas, TX in preparation for her year as Chair.

Examples of scientific presentations at COLL symposia at the 2018 Boston ACS ranged from controlling molecular self-assembly, through applications of nanomaterials, to single-atom alloy catalysts and photothermally driven drug delivery. COLL contributed 802 presentations to that meeting with 10 concurrent symposia for five days. The most noteworthy undergraduate and graduate student posters received recognition and monetary awards.

In addition to its scientific activities at ACS meetings, COLL also holds a Program Committee meeting, an Executive Committee meeting, an open meeting for the membership, and a networking luncheon to recognize outstanding scientists. Lectures at the Award Symposium are delivered by winners of the Langmuir, Nanoletter, and ACS Materials and Interfaces Awards.
At the recent Boston meeting, Tribe and colleagues from The Clorox Company and Johns Hopkins University expanded COLL’s range of activities. They organized a day-long hybrid symposium where representatives of companies like Colgate-Palmolive and HP Inc. spoke about their research and career paths, while graduate students and post-doctoral scholars had ample time to network with these potential employers and role models. Due to the success of the 2018 Student-Industry event, this symposium will now become an annual event.

Tribe and the COLL leadership are excited about providing another year of excellent programming, recognition and development events for the 2,300+ members of the division. In addition to the established events, Tribe will facilitate interactions between the division and Primarily Undergraduate Institutions with a networking session, and strengthen relations between the organizers of the 8 regional meetings of the ACS and COLL to provide programming in the discipline for chemists who cannot travel to national meetings.
## 2019 LVACS OFFICERS

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