APRIL MEETING NOTICE

University of Virginia
Charlottesville, Virginia

Friday, April 17, 2015

POSTER SESSION: 6:00 - 7:00 p.m.
(STUDENT RESEARCH)
Lobby
Chemistry Building

DINNER: 6:00 - 7:00 p.m.
Lobby
Chemistry Building

PROGRAM: 7:00 p.m.
Room 304
Chemistry Building

MENU: Pizza (many varieties), Soft Drinks

DINNER RESERVATIONS: Please make reservations by calling Cindy Knight at (434) 924-7995 or e-mail csk3a@virginia.edu by NOON on Wednesday, April 9.

PRICE: $8.00 - members, guests, college students
$4.00 - high school students

HOST: Dr. James Demas - (434) 924-3343, demas@virginia.edu

SPEAKER: Dr. Nelson Ayala, CB Fleet Pharmaceutical

TOPIC: “The Health Benefits of Chocolate”
Dr. Nelson Ayala

Nelson was born in New York City and graduated from the Bronx High School of Science, Brooklyn College with a BS in chemistry, and SUNY Stony Brook with an MS in chemistry. As a Ph.D. graduate of the University of Virginia, he got his first taste of Virginia in the late 80’s. He completed an MBA program at Lynchburg College. He has worked on consumer products at Carter Wallace, Westwood Chemical and Lever Brothers. He has taught college chemistry at Stony Brook University, University of Virginia, Orange County Community College, and Central Virginia Community College. For nine years, he was a tour guide at the Brotherhood winery, in Washingtonville, New York, which is the oldest continuously operating winery in America. For the past fourteen years he has worked as a Senior Product Development Scientist for CB Fleet Pharmaceutical. Nelson has worked on new product development assignments in Spain, Canada, and Mexico, and around the country. He has formulated many new products for Gastrointestinal care, feminine hygiene, and baby care. He has several patents on taste masking, oral rehydration, anti-itch, anti-perspirants, and deodorants. He has authored several papers in major journals. Nelson has been a member of the Society of Cosmetic Chemists, and Toastmasters International since 1990. He has developed and delivered presentations on topics related to career and personal development to audiences around the country.

“The Health Benefits of Chocolate”

The scientific interest in healthy antioxidants found in chocolate has grown over the years, adding to the appeal of the world’s most popular flavor. This evening we will not only learn more about the chemistry of chocolate, but we will also taste a variety of chocolates from around the world.

COME EARLY ON APRIL 17 TO SEE THE UNDERGRADUATE RESEARCH POSTERS
DIRECTIONS

From 29N. Come straight into town past the Cavalier Inn (on your right), pass under two overhead bridges, and then bear right immediately afterwards onto Stadium Rd. Turn right at the stop sign at the top of the hill onto Whitehead Road. Parking is on the right and left.

From I-64. Turn north on 29 at Exit 118. Immediately turn right at the Charlottesville/29 Business off ramp. Turn right to go into town, then turn left at the second light (filling station on your left). Turn right immediately after the stadium onto Whitehead Road. This brings you to the back or new wing of the chemistry building. Parking is on the right and left. Do not park in the athletic center spots.

If you miss the first off ramp after I-64, turn right at the next exit (UVA information), proceed into town, turn right at the second light (Alderman Rd.), go through the first light, then make a left at Whitehead Road.

Until 5:00 p.m., all parking around the Chemistry Building is restricted and you will be ticketed. Please time your arrival so that you park after 5:00. It is most convenient to come around the new Nanotech building on the east side. On-line map at http://chem.virginia.edu/contact-us/maps-directions-to-uva-chemistry/.

MAP
POSTER SESSION

The Virginia Section will hold its annual poster session at the April 17 meeting at the University of Virginia in Charlottesville. The emphasis is on student research, especially work done by undergraduates. This is an excellent informal, low-stress environment for students to make research presentations. If you have a student who wishes to present a poster, please contact Cindy Knight at (434) 924-7995; csk3a@virginia.edu. More information can be found on this website: http://chem.virginia.edu/undergraduate-studies/undergraduate-research/2015-american-chemical-society-poster-session/. The deadline for registering a poster is April 9. We invite everyone to come early for the UVA meeting and to support these young researchers. Also, outstanding college and university chemistry majors will be recognized at this meeting.

AWARDS TO COLLEGE SENIORS

Outstanding senior chemistry majors from colleges and universities in the Virginia Section will be honored at the April 17 Section meeting in Charlottesville. Each school has been asked to select a student to receive the Virginia Section award for undergraduate achievement. The awardees will be the guests of the Section at the meeting on April 17 and each will receive a certificate of recognition and a special gift from the Virginia Section. Chemistry departments must inform Chair Todd Koch of their nominees. If you have not submitted the name of your outstanding senior chemistry student, please contact Todd at (804) 257-2890; toddkoch@pfizer.com.
CHEMISTRY AT THE UNIVERSITY OF VIRGINIA

The University of Virginia Department of Chemistry is of medium size, combining outstanding physical facilities with a close-knit community of scholars. With a faculty size of 25, a graduate student body of about 95, and about 30 research associates, a stimulating atmosphere strongly encouraging interactive association has been created. Faculty research areas span a wide range offering a varied program of courses and research problems. Our 25 faculty members include professors who are nationally and internationally recognized in their fields. The list of recent honors received by faculty members includes the Distinguished Achievement Award in Proteomics from the Human Proteome Organization, the American Chemical Society's Award for Creative Work in Synthetic Organic Chemistry; Dreyfus Teacher-Scholar Awards for excellence in both teaching and research; Virginia Scientist of the Year awards, a Sloan Foundation Award, Alexander von Humboldt Research Prizes, an Analytical Chemistry Award in Chemical Instrumentation, a Presidential Early Career Award for Scientists and Engineers, a Coblentz Award, a MacArthur Genius Award, and a Gerhard Ertl Lecturer Award for Surface Science and Catalysis. Recent graduate student national fellowship awards include the Cognis Corporation Research Fellowship in Colloid and Surface Chemistry, the ACS Division of Medicinal Chemistry Predoctoral Fellowship Award, The Lilly Foundation Graduate Fellowship, The Science Application International Corporation Award and the Achievement Reward for College Scientists.

The goal of graduate study in chemistry is to develop outstanding young scientists able to make significant contributions in their chosen fields. A graduate student can expect to have considerable input in both the design of his or her own degree program as well as in matters pertaining to the operation of the Department as a whole. Emphasis is placed on research that contributes to our fundamental body of knowledge. Also important is the exceptional opportunity to interact not only with fellow graduate students, research associates and faculty, but also with outstanding scientists from all parts of the country and world. This participation in the forefront of scientific discovery prepares the student for the role of independent contributor to the scientific community.

Teaching and research in the Department of Chemistry have been considerably strengthened in recent years by a number of interdisciplinary centers and programs including Molecular Biophysics, Structural Genomics, Chemical Physics, Membrane Bound Proteins, Microfluidics, Biomedical Engineering, Neurosciences and Chemistry of the Universe. These programs, along with ongoing research in analytical methods, synthetic inorganic and organic chemistry, spectroscopy and other areas of physical chemistry, provide the student with a choice of strong research areas over a broad range of the chemical sciences. The faculty attracts more than $11 million yearly in outside funding to support these programs, an indicator of the vigor of research being carried out in the Department.

The graduate program is further supported by an extensive library system. The Barksdale Chemistry Library, established by private gifts provides fundamental references and resources. Most major journals and data bases are available on line. Graduate students are entitled to keys to the building and to the library for research and reading. Alderman Library has more than 1.6 million books as well as extensive collections of manuscripts, maps, prints, and microfilms. The Science and Engineering Library, the large library of the Medical School, and the Physics Library contain numerous additional books and journals in chemistry and allied fields.