

THE CAPITAL CHEMIST



A Publication of the Chemical Society of Washington Section of the American Chemical Society

February 8th Dinner Meeting

Undergraduates will be honored at the February Meeting, followed by a presentation, "There is More to Responsible Conduct of Research than Scientific Misconduct." The College Chemistry Achievement Awards are presented annually by the Chemical Society of Washington to the outstanding seniors majoring in chemistry and biochemistry from each of the area colleges and universities.

Dr. Philip DeShong, Professor
*Department of Chemistry & Biochemistry
University of Maryland
College Park, MD*



Biography

Dr. DeShong's research interests are in the application of functionalized nanomaterials for use as vaccines and drug delivery agents. In addition to being on the faculty in the Department of Chemistry & Biochemistry, he is a member of the Bioengineering program and the Nanomedicine Center at the University of

Maryland Medical School. Dr. DeShong has been the Swiss Chemical Society Lecturer, a DuPont Faculty Fellow, and is a Fellow of the American Association for the Advancement of Science and the New York Academy of Sciences. Dr. DeShong is the recipient of University of Maryland Scholar-Teacher Award and received the University of Maryland Regents' Award for Public Service.

Dr. DeShong, in collaboration with Robert Dooling, has developed a course on ethics and regularly presents a workshop on ethics. The ethics course is taught at both the graduate and undergraduate level. The workshops are tailored to a variety of constituencies: graduate students, postdoctorals, and campus-level research administrators.

Along with Dr. Daniel Stein (Cell Biology & Molecular Genetics, University of Maryland) and Terry Chase, Dr. DeShong is a co-founder of SD Nanosciences, Inc. SD Nanosciences has developed an effective vaccine platform for treatment of a wide variety of bacterial pathogens and has developed diagnostic reagents for rapid bacterial identification.

Dr. DeShong received his education at the University of Texas, Austin (B.S.), MIT (Sc.D. with George Büchi) and performed postdoctoral studies at the Swiss Federal Institute of Technology with Duilio Arigoni and MIT with Chris Walsh.

Abstract

In a time where science, scientists, and fact-based studies has come under societal stress, there is a greater need to understand and adhere to the highest principles of integrity in our research.

"... scientific integrity, a principle of scientific thought that corresponds to a kind of utter honesty - a kind of leaning over backwards.... you should report everything that you think might make it invalid.... details that could throw doubt on your interpretation must be given... you must present all of the facts that disagree with it, as well as all that agree with [your hypothesis]..." Richard Feynman, Nobel Laureate, Physics

A decade ago when one spoke of Responsible Conduct of Research (RCR), the only topic that was thoroughly covered in the discussion was Scientific Misconduct. Today, any discussion of Responsible Conduct of Research includes more nuanced discussions of topics that cover the gamut of activities and responsibilities that we, as scientists, perform as members of society. This seminar will outline the topics that are currently

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Inside this issue:

- Learn about the next CSW meeting on February 8th
- Have a student in mind for Project SEED? Learn more about the eligibility requirements.
- Plan to participate in YCC's practice presentation session March 10th.
- Complete YCC's mentor/mentee surveys if you'd like to participate.

included in RCR training, including data ownership and data management, principles of authorship and peer review, conflicts of interest and conflicts of commitment, mentoring, working with animal/human subjects, and establishing collaborative research plans. There are emerging principles - reproducibility, validation of reagents and processes, and use of appropriate statistical methods - that will join the list of essential RCR topics as scientists continue to ensure the integrity of their research in the future.

Meeting Logistics

Date: Thursday, February 8, 2018

Time: 6:00 p.m. Check-in/Social Hour/Dinner

7:00 p.m. College Achievement Awards Presentation

7:30 p.m. Presentation

Location: ACS Headquarters, Marvel Hall
1155 16th Street, N.W., Washington, DC 20036

Menu: Meal will be catered by Fresh Connections and will feature a buffet of Chicken Parmigiana (chicken with fresh herbs, mozzarella and Parmesan) and marinara sauce over penne pasta, tossed salad with tarragon vinaigrette, artisan breads, and mini cupcakes. Beverages will be provided. Vegetarian Option: marinara sauce over penne pasta, tossed salad with tarragon vinaigrette, artisan breads, and mini cupcakes.

Cost: \$22 (Members and guests) / \$11 (High School Teachers and Students)

RSVP by noon Tuesday, February 6, to csw@acs.org or by phone (messages only: 202-659-2650). Please provide the names in your party when you RSVP. The public is invited to attend. You may attend the talk only, but reservations are appreciated. Those who make a reservation, but are unable to attend, should send a check for the cost of their meal to the CSW office. If you need any further information or would like to make a reservation, please contact the CSW office by email at csw@acs.org or by voicemail at 202.659.2650.

Parking: Parking is available in nearby commercial parking garages. Please be aware that the garage closing times vary. Parking is also available on the street after 6:30 p.m., but be aware that most parking meters are in effect until 10:00 p.m. and may be limited to 2 hours. You should check the individual meters for details and payment methods as some are no longer coin-operated.

Metro: Blue/Orange/Silver Line: McPherson Square or Farragut West. Red Line: Farragut North.

Project SEED 2018 is Underway

Student applications for Project SEED will be solicited from local high school students soon. If you are an educator, or simply know of an outstanding student who meets the requirements for participation (<https://www.acs.org/content/acs/en/education/students/highschool/seed/studenteligibility.html>), please contact the Project SEED chair, Wes Farrell (wfarrell14@gmail.com), for more information.

2018 marks the 50-year anniversary of Project SEED. Since its inception in 1968, Project SEED has afforded economically disadvantaged students the opportunity to perform research in academic and government labs, providing early experience and exposure to chemistry. However, our ability to provide students these opportunities relies on the generous support from members of our community. If you would like to make a fully tax-deductible contribution, checks made out to the "Noel Turner Fund" may be mailed to us at 1155 16th St NW, O-218, Washington, DC 20036. All donations made to the Noel Turner Fund go towards stipends for Project SEED researchers.

YCC to host ACS Spring Meeting Practice Presentations

YCC will be hosting practice presentations before the ACS meeting March 10th at Howard University. Come give your ACS talk to your peers and get feedback on your presentation before the New Orleans National Meeting! Other technical presentations in addition to ACS are also welcome.

If you are interested in giving your talk, please send your abstract and the length of your presentation (in minutes) to yccsw@gmail.com by February 21st. The presentation schedule and abstracts will be emailed to attendees by March 3rd.

YCC Mentor Matching & Career Day Surveys

YCC is starting a mentor matching program for CSW to pair younger DC area chemists with mentors in their desired career.

The idea is to get responses from CSW members who are looking for a mentor, as well as those willing to mentor others. YCC will not only pair CSW mentors with mentees, but establish a mentor database that can be updated periodically.

If you are interested in participating, please fill out the survey links below. Your information will only be used by YCC organizers for pairing purposes and mentors will always be contacted first to confirm their availability before matches are made.

YCC will also be hosting CSW Career Day in April 2018. We are looking for volunteers to speak, organize, and serve on panels. If you are interested in participating or attending career day, please also fill out those questions in the survey links to let YCC know how you'd like to get involved and what dates in April you are available.

Early Career Chemist Survey: <https://goo.gl/forms/enrEP3TDTPZrF1xB3>

Mentor/CSW Member Survey: <https://goo.gl/forms/O9tew3woRgTyvitC2>

If you are interested in both mentoring a younger chemist and receiving a mentor, (a great option for folks in the first 5-10 years post-graduation) please fill out both surveys.

In addition to matching mentors to early-career chemists, YCC will provide resources and support to help facilitate these mentoring relationships as appropriate.

We look forward to your participation!

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- Hospitals for technical and research personnel

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- www.mboservices.net
- <http://membership.acs.org/W/WashDC/career.html>

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CSW Calendar of Events

February 8: CSW Dinner Meeting

March 10: YCC Practice Presentations

March 26: Board of Managers Meeting

May 21: Board of Managers Meeting

September 24: Board of Managers Meeting

November 28: Board of Managers Meeting