

THE CAPITAL CHEMIST

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

Join Us for the Next CSW Meeting on February 14th

Join us on Thursday, February 14th, for the Chemical Society of Washington (CSW) dinner meeting, including presentation of the College Achievement Awards. These awards are presented annually to outstanding seniors majoring in chemistry and biochemistry from each of the area colleges and universities. Following the awards presentation, Dr. Daniel Glavin will present *Follow Your Curiosity: The Search for Signs of Life on Mars*.

Dr. Daniel Glavin

Astrobiologist and Associate Director
Science in the Solar System Exploration Division
NASA Goddard Space Flight Center

Biography

Daniel Glavin is an Astrobiologist and Associate Director for Science in the Solar System Exploration Division at the NASA Goddard Space Flight Center. Dr. Glavin first became involved in Astrobiology research in 1996 when a meteorite from Mars found in Antarctica, called Allan Hills 84001, revealed possible remnants of an ancient Martian life form. Although Glavin's research suggested that some of the chemical evidence for life was compromised by terrestrial contamination in Antarctica, the ALH 84001 discovery energized the Astrobiology community and the red planet continues to be one of the primary targets for exploration and the search for life beyond Earth. Dr. Glavin helped develop and test the wet chemistry experiment that is part of the Sample Analysis at Mars (SAM) instrument onboard the MSL rover Curiosity. SAM, a microwave oven-sized instrument suite that includes a mass spectrometer developed at NASA Goddard Space Flight Center is currently investigating the martian atmosphere, rocks, and soil to look for water, organic compounds, and other biologically important elements required by life.

Abstract

In this talk, Glavin will describe the concept of a "habitable environment" and the requirements for life as we know it. Understanding the basic requirements for life and the prebiotic chemistry that led to the emergence of life on Earth helps guide our search for life on Mars. Glavin will also give an overview of NASA's Mars Science Laboratory mission with an update on the progress of the Curiosity rover in Gale Crater and a summary of the results from the SAM instrument, including the detection of methane in the atmosphere and complex organics in an ancient lake mudstone. The discovery of preserved organic matter in Gale Crater is an important milestone in the search for chemical biosignatures on Mars.

Meeting Logistics

Date: Thursday, February 14, 2019

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

6:30 p.m. Dinner

7:00 p.m. College Achievement Awards Presentation

7:30 p.m. Presentation

Location: ACS Headquarters – Marvel Hall
1155 16th St., N.W., Washington, DC

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Inside this issue:

- Attend this month's CSW Meeting on February 14th
- Sign up to become a Chemistry Olympiad mentor
- See the list of 2019 CSW Committee Chairs



Menu: Meal will be catered by Windows Catering and will feature lemon pepper chicken and shrimp (Florida Gulf shrimp and boneless breast of chicken, marinated in Meyer lemon and served with a julienne of yellow squash and zucchini on pearl pasta).

Vegetarian Option: Porcini ravioli (ravioli stuffed with wild mushrooms, tossed with toasted pine nuts and sweet peas in an Alfredo sauce).

Sides include: Asparagus spears (fresh, tender asparagus with navel oranges and toasted pine nuts, in a citrus dressing) and garden salad (romaine, radicchio, red leaf and limestone bibb lettuce with tomatoes, chick peas, matchstick carrots, cucumber and broccoli with choice of dressing)

Dessert: Coconut-crust key lime pie
Assorted beverages will be provided.

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

RSVP by noon Tuesday, February 12, to csw@acs.org (preferred) or by phone (messages only: 202.659.2650). Please provide the names in your party when you RSVP, and if you wish to have the meat or vegetarian option. The public is invited to attend. You may attend the talk only, but reservations are appreciated. 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 garage closing times vary. Parking is also available on the street after 6:30 pm, but be aware that most parking meters are in effect until 10:00 pm 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

CSW High School Chemistry Olympiad Update

The CSW High School Chemistry Olympiad for 2019 will begin in early February. The letter introducing the Olympiad will be emailed to those high school chemistry teachers for whom we have an email address. This letter will ask for student nominations to take the Local Section Examination at their school during the time period of March 1-15. If you are a high school chemistry teacher who wishes to participate in this Olympiad and did not receive the letter in 2018 or participate in past Olympiads, please send an email with your name, your email address, and the name of your high school to cswolympiad@gmail.com.

The CSW Co-chairs of the 2019 Chemistry Olympiad Committee are Regina Cody and India James.

2019 CSW Committee Chairs

Audit: John Malin

Awards: Bradley Scates

Budget: Bree Taylor

By-Laws and Standing Rules: Jason Schaff

Chemistry Olympiad: Regina Cody & India Jones

Councilors: Kim Morehouse

Education: Alex Zestos

Environmental Improvement: Jennifer Tanir

Finance and Investments: John Malin

Hillebrand Award: Bradley Scates

Membership: Matt Windsor

Nominations and Elections: Kim Morehouse

Outreach: Matt Windsor

Programs and Arrangements: Kim Morehouse

Project SEED: Wesley Farrell & Faye Rubinstein

Public Relations: Darryl Boyd

Publications: Sara Orski

Senior Chemists: Joe Antonucci

Webmaster and Newsletter Editor: Jessica

Rasmussen

Women Chemists: Novella N. Bridges and Rebecca

Frey-Cooper

YCC: Corina McClure

23rd Annual Green Chemistry & Engineering Conference and 9th International Conference on Green and Sustainable Chemistry - June 11-13, 2019

Early Bird Registration is Now Open!

Join us at the premier gathering of scientists, students, professors, government and industry leaders from all different sectors of green chemistry and engineering.

Register now for the lowest rates to the Green Chemistry & Engineering Conference/International Conference on Green and Sustainable Chemistry (GC&E/GSC-9) which is themed "Closing the Loop" of the chemical life cycle and will be held in Reston, Virginia, June 11-13, 2019!

[Register Today for the Lowest Rates!](#)

The Registration Referral Program is Back

Don't miss out on your chance to win!

Refer a colleague! When they register for the GC&E/GSC-9 Conference and indicate you've referred them, you both will be entered into our Referral Prize Sweepstakes for a chance to win prizes up to \$100 value.

[Enter Here](#)

Reserve your Hotel Room

The ACS Green Chemistry Institute® has negotiated a special rate of \$249 (plus taxes) for conference attendees at the Hyatt Regency Reston. The rate is available through May 20, 2019 or until the room block sells out. To make a reservation at this rate, [book online with this link](#).

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SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

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



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The **Chemical Society of Washington (CSW)** is the local ACS Chapter for the Washington, DC area and serves approximately 4,000 members.

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Allison Aldridge

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Treasurer

Wesley Farrell

Connect with us on Facebook at
www.facebook.com/ACSCSW.

CSW Calendar of Events

February 14: CSW Dinner Meeting

March 14: CSW Meeting/Hillebrand Award Ceremony

April 20: YCC Career Day

March 18: CSW Board of Managers Meeting

May 20: CSW Board of Managers Meeting

September 16: CSW Board of Managers Meeting

November 21: CSW Board of Managers Meeting