

Portland Section 2018 November Meeting Notice

Solar Fuels: Capturing the Sun's Energy in Chemical Bonds

a talk presented by

Professor Theresa McCormick
Portland State University

7:45 pm Thurs. Nov. 8

Reed College Vollum Lounge
3203 SE Woodstock Blvd, Portland, OR 97202
[map](#)

Dinner Reservations

Dinner reservations FIRM deadline 9 PM Monday Nov. 5

Prices increase after the deadline! *(including at the door)!*

Schedule: 6:00 pm social • 6:45 pm buffet dinner • 7:45 pm talk

Seed Student Posters during social hour.

*Upcoming events: [Linus Pauling Medal Award Symposium](#)
November 17 University of Washington Bothell Campus*

Contact [Scott Vanderwerf](#) if you have questions

Portland Section webpage <http://www.acsportland.org>

[Poster Symposium](#) pictures pages 3-4

Bio: Theresa McCormick



Dr. Theresa McCormick is an assistant professor at Portland State University in the department of chemistry. She received her PhD in Organic Light Emitting Diode (OLED) materials from Queen's University in Kingston, Ontario, Canada in 2008

under the supervision of Dr. Suning Wang. She was then an NSERC postdoctoral fellow at the University of Rochester under the supervision of Dr. Richard Eisenberg, where she studied catalytic systems for proton reduction. Dr. McCormick then held a second postdoc at the University of Toronto under the supervision of Dr. Dwight Seferos, investigating heavy chalcogens in polymers for use in organic photo-

voltaics. In 2013, she began her independent career at Portland State University studying solar energy conversion reactions.

Abstract

The McCormick Group uses a combination of computational and experimental techniques to study energy storage reactions. Plants capture solar energy through photosynthesis; in the lab we study ways to use solar energy to create energy-rich small molecules such as hydrogen gas and hydrogen peroxide. Chemists have an important role in developing new materials to meet future energy demands. I will present on the key parameters required to develop an efficient system for artificial photosynthesis and the role that computational chemistry can play in developing new catalysts.

SEED Students' Posters at Nov. 8 ACS meeting during Social hour

Three SEED student posters will be featured during the 6pm social hour at the upcoming Nov. 8 Portland ACS meeting. Mentors are Angela Hoffman and Marilyn Mackiewicz. Dr Hoffman's two students are Emily Boyd and Traveon Johnson. Dr Mackiewicz' student is Citlali Nieves Lira. Ms Nieves Lira recently exhibited at the (Oct. 21) Portland Section Undergraduate Poster Symposium and Career Fair. Students and a companion will be dinner guests of the Section at the Nov. 8 Portland ACS meeting; students will be recognized for their achievement.

ACS Project SEED

Project SEED is a nearly 50-year program in the American Chemical Society that promotes scientific literacy through research for economically disadvantaged high school students.

ACS Members volunteer to mentor students who demonstrate an interest in research and the sciences but who otherwise might not pursue a scientific career and who qualify as economically disadvantaged. Students spend two summers, with stipend, with

a mentor, with a specific research project. Students present their findings in a poster at an ACS Local Section Meeting.

More than 350 institutions have sponsored more than 11,000 economically disadvantaged high school students since Project SEED's inception in 1968. Many of these students are the first in their family to attend college. For 8 to 10 weeks during the summer, SEED students work in real laboratories, with real scientists serving as their mentors.

Project SEED scholarships

Project SEED students who've completed two years with a mentor and who have graduated from high school are eligible to apply for a SEED Scholarship. Project SEED scholarships are nonrenewable and only awarded to first-year college students. Selection is based on achievement in school, success in the Project SEED program, financial need, and intended chemical-related field of scientific study. The scholarships are intended to assist former SEED participants as they transition from high school to college. Scholarship awardees may receive up to \$5,000.

2018 Poster Symposium



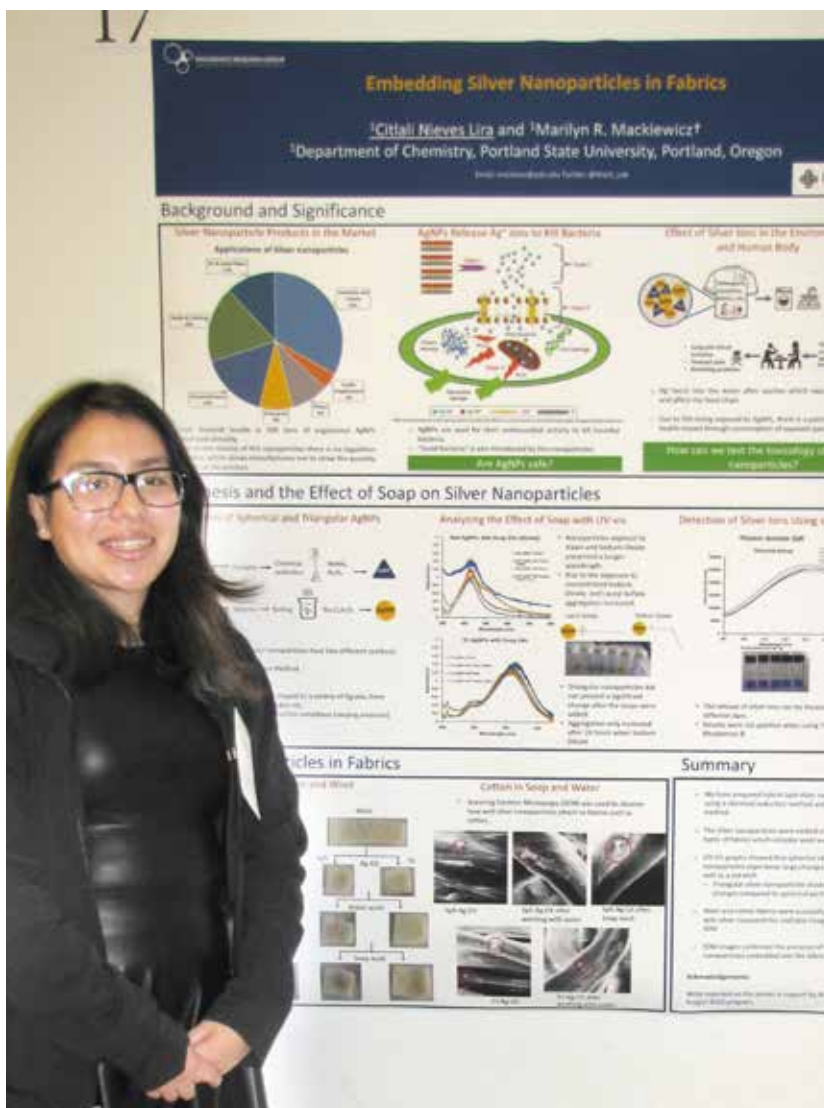
1st place Analytical winner Anthony Nguyen with Poster Symposium Chair Dave Reingold



Poster Symposium career panel 3-4 PM before poster session 4-7 PM



1st place Materials winner Chase Callahan, UO, with Poster Symposium Chair Dave Reingold



2nd Place Materials winner Citali Nieves Lira, Tigard HS (ACS SEED student mentored by Prof. Marilyn Mackiewicz, PSU)



2nd place Organic winner Charis Roberts, Reed College, with Poster Symposium Chair Dave Reingold

2018 Poster Symposium



1st place Organic winner Sarah Zalucha, UP, with Poster Symposium Chair Dave Reingold



2nd place Inorganic winner Henry Wu, PSU, with with Poster Symposium Chair Dave Reingold



2nd place Biochemistry tie winners Hayden Adoff, Reed College, and Cassandra Raul, UP, with Poster Symposium Chair Dave Reingold



Food Sponsors provided goodies for the Symposium



TCI exhibitor table



Nick Jenness Portland Water Lab exhibitor table