

# Portland Section Meeting Notice

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## Smart Molecular Crystals for Chemical Separations, Sensing, and Pharmaceuticals

a talk by

**Prof. Gonzalo Campillo-Alvarado**

Chemistry Department, Reed College.

**Wednesday November 13, 2024, 6:30-9 PM**

Join us for our monthly lecture series at Helioterra Winery in Portland, featuring a dinner and talk by Prof. Gonzalo Campillo-Alvarado, Reed College. This event includes a catered dinner from a local Portland eatery, a short talk by Isabella Jupiter, an undergraduate student who works in Prof. Campillo-Alvarado's lab, and finally, the lecture from Prof. Campillo-Alvarado. This event is all ages welcome and encouraged. No-host drinks will be available at cost.

If you plan to attend, please click the Reservation link below.

### Reservations

**Venue:** Helioterra Winery  
2025 SE 7th Ave.  
Portland, OR 97214

### Schedule

**Doors open at 6:30pm on Wednesday September 11th.**

Helioterra Winery is a women-owned and operated small scale winery.

Wines are available from Helioterra for purchase,  
as well as beer and non-alcoholic beverages.

Bio and Abstract next page

Ken Schriver, Chair  
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## Abstract

**Smart Molecular Crystals for Chemical Separations, Sensing, and Pharmaceuticals.** Molecular crystals offer exciting opportunities for developing smart, functional materials using weak, non-covalent interactions. This talk will explore the design of molecular crystals based on small organic molecules capable of interacting with industrially relevant molecules for applications in chemical separations (petrochemistry), sensing environmental pollutants, and improved pharmaceutical formulations. Lastly, I will share my experience establishing and managing an externally funded research program fueled by undergraduates in a primarily undergraduate institution (PUI).



### Bio

Gonzalo Campillo-Alvarado (he/him) is an Assistant Professor of Chemistry at Reed College, studying how organic molecules assemble into smart crystalline materials for emerging technologies in chemical separations, sensing, and pharmaceuticals using X-ray diffraction techniques. Before joining Reed in 2022, he was an Illinois Distinguished Postdoctoral Research Associate at the University of Illinois at Urbana–Champaign. He received his Ph.D. in chemistry from the University of Iowa, and his B.Sc. in biopharmaceutical chemistry from Universidad Veracruzana (Mexico).

## Linfield College Student Chapter Wins ACS' Top Honors 'Outstanding'

Andrew Baggett, Linfield University, reported last month that Linfield's student ACS chapter (SAACS) earned the "Outstanding" ranking for the 2023-2024 academic year—the highest honor ACS grants to student chapters!

The lion's share of the credit goes to 2024 Linfield graduates Dan Khazaei and his co-leader Abraham Solomon. Many of you have met Dan and Abraham at one or more Local Section meetings or while they were volunteering on behalf of Linfield's SAACS Chapter last year. Dan and Abraham also were the judges for the two Portland Section Special Awards (Portland Section Award and the PICA Award) at Northwest Science Expo.

Andrew thanked the Portland Section for its support of Linfield's student ACS chapter. Linfield students participated in Portland ACS events and last March Dan & Abraham joined Andrew and other Linfield faculty and students in attending the spring ACS national meeting in New Orleans. Portland Section hopes to see Linfield University chemistry students at the dais again next year and will expect requests for travel funding for San Diego 2025.

## October's ACS Meeting and Tour at Helioterra Winery features Winemaker Anne Hubatch



Helioterra Vintner Anne Hubatch described the winemaking that occurred on our tour day 10/9/24 including processing several tons of grapes.



Winemaker Ann Hubatch in the winery describing the winemaking process. Inset, wine grapes.



Helioterra Winery. Wine is fermented both in barrels and in large containers. All photos by Martha Dibblee.