

Special Thanks

2022 Gold Sustaining Member



2022 Silver Sustaining Members



2022 Bronze Sustaining Members



Special Thanks to Our Raffle Donors

Bear Valley Ski Resort
Patagonia
San Francisco 49ers



30th Annual Meeting

Northern California Regional Chapter
of the
Society of Environmental Toxicology and
Chemistry

Hot Topics in Environmental
Chemistry:
Fire, Flame Retardants, and
Forever Chemicals

Thursday, September 15, 2022
Village Homes Community Center
2661 Portage Bay East
Davis, CA 95616

AGENDA

8:30a ... Registration and Check-In

9:00a ... Opening Remarks

9:15a ... Plenary Speaker: Heather Bischel

10:00a ... Presenter Session #1

10:40a ... Coffee Social w/Posters

11:00a ... Presenter Session #2

12:00p ... Lunch and Posters

1:30p ... Plenary Speaker: Keith Bein

2:15p ... Presenter Session #3

2:35p ... Coffee Social w/Posters

3:00p ... Presenter Session #4

4:00p ... Happy Hour and Awards



NORCAL SETAC BOARD

President
Gabby Black

Vice President
Richard Connon

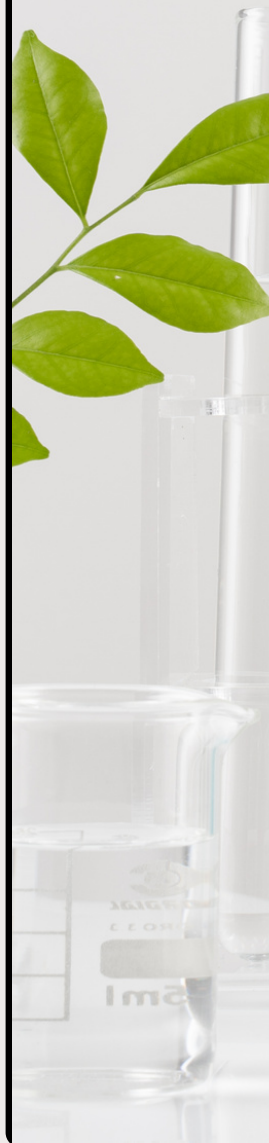
Secretary
Jackie Lang

Treasurer
Aniela Burant

Members
Alex Anderson
Perry A. Gee
Enid Gonzalez-Orta
Krista Hoffmann
Lisa Hunt
Sasha Nicklisch
David Ostrach
Amelie Segarra

Student Representatives
Alyssa Burns
Taylor Evinger
Anna Feerick
Nicholas Santiago

Want to get more involved? Become a board member!
Applications are due Dec 1st to gblack@usgs.gov. Learn
more here: [https://www.norcalsetac.com/director-
vacancies.html](https://www.norcalsetac.com/director-vacancies.html)



ABOUT NORCAL SETAC

NorCal SETAC is a dynamic community that provides local networking opportunities for students and professionals working in the fields of environmental toxicology and chemistry.

As part of the greater SETAC community, we share in the mission to promote the advancement of environmental sciences, education in the field, and the use of science in environmental policy and decision-making. We provide a forum where environmental professionals exchange information and ideas for the development and use of multidisciplinary scientific principles and practices leading to sustainable environmental quality. We achieve this through events, publications, education and certification programs.

To learn more about us, go to <https://www.norcalsetac.com/>



PLENARIES

9:15a, Plenary Session #1
Dr. Heather Bischel

Are resource recovery insects safe for feed and food? Assessing bioaccumulation and biotransformation of trace organic contaminants during organic waste bioconversion

1:30p, Plenary Session #2
Dr. Keith Bein

Next Generation Wildfires: Firestorms at the Wildland Urban Interface

POSTERS

Jermel Taylor, Joseph T. Yull, et al.
Bisphenol A differentially impacts neurodevelopment in *Drosophila melanogaster* from distinct genetic backgrounds

Cory Sanders, Elisabeth LaBarbera, et al.
Evaluation of Pesticides in Zooplankton and Water from 2017-2021 in the Yolo Bypass and Sacramento River

Celeste Valdivia, et al.
Impacts of bifenthrin, an endocrine disrupting pesticide, on the reproductive health of Delta Smelt (*Hypomesus transpacificus*)



PRESENTERS

Session #1, 10:00a

10:00a - Wayne Landis, et al.

Patterns of Risk in the Upper San Francisco Estuary Due To Contaminants, Water Quality Parameters and in Consideration of Climate Change

10:20a - Camilo Sanchez, et al.

There's something in the water: Salmonid pathogen distribution in California's Central Valley

Session #2, 11:00a

11:00a - Felix Biefel (student), et al.

Effects of Microplastics (LDPE, PLA; natural and synthetic fibers) in combination with temperature on Mysid Shrimp (*Americamysis bahia*): A physiological perspective

11:20a - Emma Sharpe (student), et al.

An Ecological Risk Assessment for Microplastics in the San Francisco Bay Using the Bayesian Network Relative Risk Model

11:40a - Alex Weissman, et al.

Two Regulatory Spray Drift Models: Differences and Uses



PRESENTERS

Session #3, 2:15p

2:15p - Renee K. Takesue, et al.

Airborne and *in situ* particulate contamination in the 2020 CZU Wildfire area, Santa Cruz Mountains, California

Session #4, 3:00p

3:00p - Dr. Justin Miller-Schulze, et al.

Quantification of Bisphenol A in *Drosophila Melanogaster* Larvae by High Performance Liquid Chromatography-tandem Mass Spectrometry

3:20p - John Wheeler, et al.

Insecticidal Pet Collars As a Potential Source of Pesticide Residues in California Wastewater

3:40p - Dr. Justin Miller-Schulze, et al.

Identification and Quantification of Potentially Hazardous Chemicals Emitted by Consumer "3-D" Printers

