



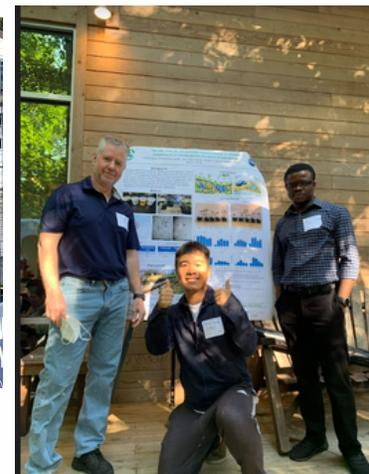
WHAT'S HAPPENING IN THE CSN?

NSF Center for Sustainable Nanotechnology



The CSN met up in person at the Dunwoody Nature Center Sept 14-15 for our fall "All-Hands" meeting.

Highlights included poster presentations, sessions with Dr. Della, and axe-throwing organized by the Community Building Committee



Thank you to Chaoyi (Joey) Deng, Hye-In Kim, Mike Schwartz, and Eleni Spanolios for sharing their photos!





GOOD NEWS!



Levi Hogan (Goldsmith group) successfully defended his thesis entitled "Single Nanoparticle Absorption Spectroscopy: Chemical Dynamics Using Optical Microresonators" on September 22nd! Levi recently accepted a Senior Scientist position at PPD. Congratulations, Dr. Hogan!



Alicia McGeachy (CSN alum, Geiger group) will be back at the MET as an associate research scientist with the Network Initiative for Conservation Science ([NICS](#))



Nasim Ganji (Pedersen/Fairbrother group postdoc) accepted an offer to work at AbbVie starting November 1st.

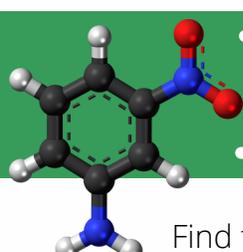


MILESTONES & AWARDS

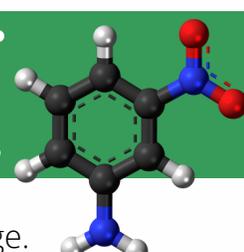



Congratulations to CSN affiliate **Korin Wheeler** (holding plaque, left) for receiving the The [Louis and Dorina Brutocao Award for Teaching Excellence](#) at Santa Clara University.

Congratulations to **Jason White** for being recognized as a [Clarivate™ Highly Cited Researcher](#) in 2022 for the third year in a row.

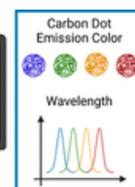
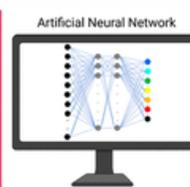
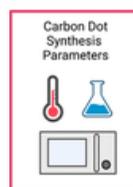
CSN PUBLICATIONS



Find the most recent list of all center publications on the [CSN Google Scholar](#) page.

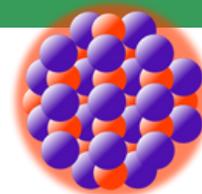
Ravithree D. Senanayake, Xiaoxiao Yao, Clarice E. Froehlich, Meghan S. Cahill, Trever R. Sheldon, Mary McIntire, Christy L. Haynes and Rigoberto Hernandez (2022).

Machine Learning-Assisted Carbon Dot Synthesis: Prediction of Emission Color and Wavelength. *Journal of Chemical Information and Modeling*. Read the online publication [here](#).





Latest from Sustainable Nano



See Sustainable-Nano.com for all CSN blog posts & podcast episodes



Since the last newsletter, we published one blog post by **Christopher Castillo** and SURE student **Claire Alford** (Giraldo group): [What Nanoparticle Are You? Take Our Quiz to Find Out!](#) The blog post went along with a [Buzzfeed Quiz](#), which was recently shared on their homepage (along with a questionable change in title...)



Thanks to a new team of translators and editors (Regina Gonzalez Lona, **Lisett Diaz** (Klaper group), and **Wilanji Alvarez Reyes** (Haynes group)), we are progressing on publishing new Spanish blog posts for Nano Sostenible! The most recent is [Cómo las frutas obtienes sus colores](#), based on a post by Alicia McGeachy from 2015.



Podcast update! Our interviewee from episode 35, Majel Baker, let us know that the work she discussed on the podcast has been published in the article, "Correlates of peer classroom connectedness among undergraduate women in STEM" in the *Journal of Research Science in Teaching*. (Read the online publication [here](#))

CSN Media & Other Recognition

CSN alum **Arielle Mensch** (Hamers/Pedersen & Orr groups) and her group talked about their research on Nanoplastics and Antibiotics in Aqueous Environments at Lafayette College ([video link](#))

Dr. Della and the WELLS Healing Collective recently posted a video called Unfiltered: Reflecting on Black Allyship and Campus Activism at the University of Kentucky ([video link](#))



CSN Talks & Presentations

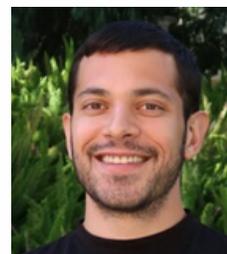


Safia Jilani (Haynes group postdoc) gave a [JAWSCHEM \(Just Another Chemistry Webinar\)](#) talk entitled "Recognizing Invisible Work in a PhD Dissertation and Defense" on September 27, 2022.

 @FineTraces786



Christy Haynes gave two presentations recently: the Amy Mellon Lecture at Purdue and a seminar for the Baylor College of Medicine-Rice Superfund Research Program.



Christopher Castillo (Giraldo group) presented "Protein corona formation on magnetic nanoparticles in Arabidopsis" for the UC Riverside Department of Botany and Plant Sciences BPSC 250 Seminar Series on November 16, 2022.

Several CSN members collaborated with colleagues from the WELLS Healing Center on a workshop at the National Diversity in STEM (NDiSTEM) conference in San Juan, PR on October 27. "Creating a culture of wellness: Lessons learned from the NSF Center for Sustainable Nanotechnology" was presented by **Frances Adomako, Lissett Diaz (Klaper group), Christy Haynes, Miriam Krause, & Jeanette Mejia** at the conference, and WEL committee members **Emma McKeel, Mike Schwartz, Juan Pablo Giraldo,** and **Della Mosley** were also co-authors.

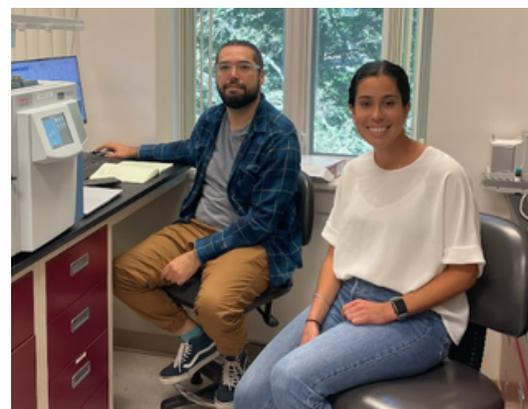
L-R: Christy Haynes, Jeanette Mejia, Lissett Diaz, Frances Adomako, & Miriam Krause at the San Juan Convention Center



Jason White has given multiple presentations since our last newsletter: (1) Presented a seminar for the Eco-Environment & Health Talk@EEH Webinar Series (September); (2) Presented at the International Union of Food Science and Technology (IUFoST) 21st World Congress of Food Science and Technology: Future of Food: Innovation, Sustainability and Health in Singapore; (3) Gave an invited plenary lecture at the Materials Innovation for Sustainable Agriculture (MISA) 2022 Symposium at the University of Central Florida (October); (4) gave an invited Keynote Lecture at the Regional Symposium on Climate Change, Planetary and Human Health: Challenges and Opportunities at Rutgers University (October).

Lab Exchanges

Caroline M. Anastasia (Fairbrother group) recently visited CAES to get some experience on GC-Triple Quad with former CSN postdoc Carlos Tamez of the CAES Department of Analytical Chemistry. This is related to some non-CSN work she'll be doing as part of a USDA Hatch grant.

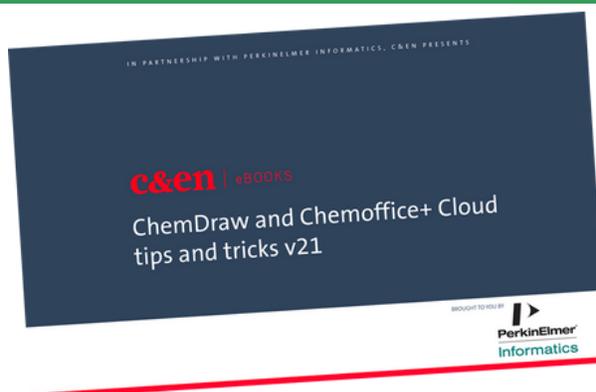




DID YOU KNOW?

DURING	BEFORE		
	1. CRAFT a positionality statement to include in your letter	2. USE formal titles to amplify the candidate	3. NAME ALL the candidate's accomplishments expansively
5. ELABORATE on mentoring, & creation of communities	6. ENCOURAGE letter readers to account for systemic racism	7. AVOID reductive comparisons to an arbitrary standard	8. CHECK IN with your values & ensure accurate reflection
AFTER	AFTER		
	1. CITE the scholar in your own work	2. REACH OUT with appreciation & offer mentorship	3. SPONSOR the scholar for awards, talks and papers

Christy Haynes was recently a co-author on a paper called "Equity, Diversity and Inclusion: A guide for writing anti-racist tenure and promotion letters." You can read the open access publication [here](#).



C&EN has a free [ChemDraw ebook](#) you can download! ChemDraw is a program that allows users to draw chemical structures and reactions as well as biological objects and pathways, and some institutions offer students free access.

Underrepresented Students in STEM Symposium - Twin Cities

USSS-TC

Students from the **Haynes** group organized and hosted the second annual Underrepresented Students in STEM Symposium - Twin Cities (USSS-TC) on September 24.



Opportunities!

Lafayette College invites applications to their NSF-funded **Institute for Future PUI Faculty** (IFPF). It is an immersive training program for graduate & postdoctoral students interested in pursuing a career at a teaching-focused institution. Participants will travel to Lafayette for 2 weeks, all expenses paid, from April 10th - 22nd, 2023. The deadline to apply is December 9th, 2022. More information and the application can be found on the [program website](#).

São Paulo School of Advanced Science on Nanotechnology, Agriculture & Environment

Applications are open now; registration is free and the deadline for application is February 5th. Sao Paulo Research foundation (FAPESP) will cover travel expenses to 50 selected international participants to attend the school from July 3-15, 2023 in Campinas, Brazil. [More info here](#)

ACS Summer School on Green Chemistry & Sustainable Energy

The ACS Summer School on Green Chemistry & Sustainable Energy is a week-long once-in-a-lifetime experience! Each year about 60 graduate students and postdoctoral scholars from the Americas gather in Golden, Colorado at the Colorado School of Mines to spend a week attending lectures from professors and industry scientists on sustainable chemistry topics, hold discussions, participate in a poster presentation, and network with each other. All eligible travel and program costs are covered. Apply by Jan. 30, 2023. [More info here](#).



FUN!



Safia Jilani (Haynes group postdoc) reunited with her mentor **Jen Heemstra** in real life for the first time since she graduated.

Postdoc **Swapnil Ambade** (Rosenzweig group), his wife Anjira, and their kids Sara and Myra bumped into Howard and Cindy during the Johns Hopkins Fall Fest event at the Baltimore Zoo last month.



More Axe throwing!



Bob Hamers met up with colleagues Jeff Martell and Davita Watkins, who was visiting UW-Madison from the University of Mississippi to present a seminar.



Mike Schwartz connected with 2022 SURE students **Karemna** and **Keaira Brown** (Mason group) at NOBCCHE in Orlando (pre-hurricane). **Yaren Peña Señeriz** (Carlson group SURE student) also attended.



LOST IN CYBER-SPACE?

Links to frequently requested CSN documents and information sources.

Newsletter submissions:

Awards, highlights, lab exchanges, publications, FUN, etc. [link](#)

CSN Documents and Downloads

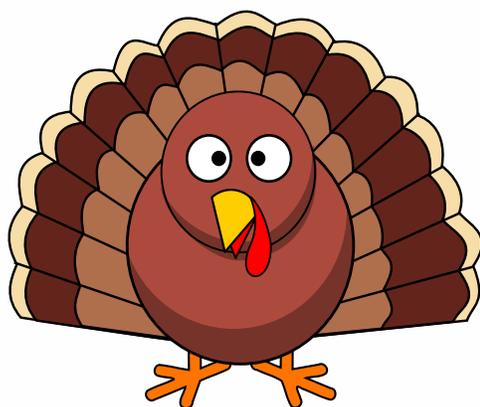
- Nanodatabase Login: [link](#)
- Nanodatabase Help page: [link](#)
- CSN calendar: [link](#)
- CSN Operations Guide: [link](#)
- CSN participants list (Names, group, and email addresses): [link](#)

CSN Reporting Forms

- Report lab exchange activities: [link](#)
- New CSN Presentations: [link](#)
- Report Outreach Activity: [link](#)
- Report Awards and Other Activities: [link](#)

CSN SuggestionOx (Completely Anonymous Feedback to Admin)

- Director (Bob): [link](#)
- Associate Director (Christy): [link](#)
- Managing Director (Mike): [link](#)
- E/O Director (Miriam): [link](#)
- SPRING Board liaison: [link](#)



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