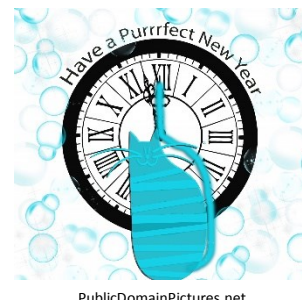


## What's happening in the CSN?

January 6, 2017

Volume 2, Issue 4



PublicDomainPictures.net

### Celebrations

#### Welcome to New CSN Members

The CSN welcomes **Naomi Dalchand** (left) and **Tianzhe Li** (right), who have joined the **Geiger group** as graduate students at Northwestern University. Naomi received her degree in biochemistry from Barnard College and Tianzhe earned his degree in chemistry from Washington University in St. Louis. Welcome to the CSN Naomi and Tianzhe!



#### Good news!

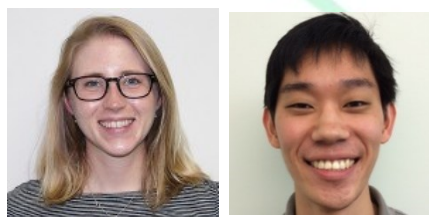
In case anyone hasn't heard yet, **Miriam Krause** has a happy announcement: She is pregnant! Unfortunately, the baby will not be available to present at the CSN site visit, as it is not due to be born until June. This is also a good time to mention that Bob was quoted in this week's [C&EN article](#) on university parental leave policies!



Our newest CSN member, age approximately negative 6 months...

#### Milestones and awards

Congratulations to **Margy Robinson (Hamers group)** and **Gene Chong (Hernandez group)**, who have been awarded CSN Student Seed Grants! Margy's project ("Nanorubies for Imaging the Nano-Bio Interface") and Gene's project ("Code Development for Multiscale Coupling of Atomistic and Coarse-Grained Simulations of Nanoparticle-Membrane Interactions") were selected from several outstanding proposals that were submitted for the Fall 2016 competition. Margy and Gene will present flash talks about their proposals at an upcoming Wednesday center-wide meeting.



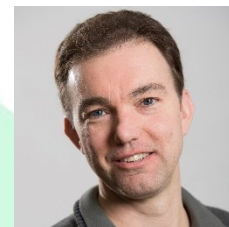
Congratulations to **Donald White (Curry group)**, who has been selected for a travel award to present at the 2017 Emerging Researchers National (ERN) Conference in STEM! He will present his work entitled "Facile Method of Dispersing CNF's via VS-I within a Polymer Matrix" at the March, 2017 meeting in Washington, DC.





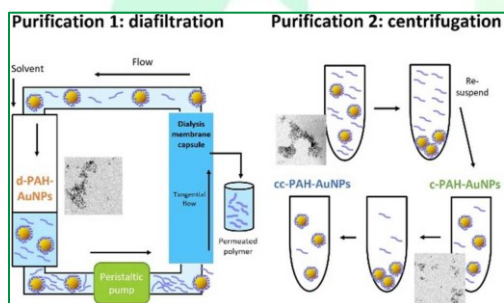
Congratulations to undergraduate researcher **Katie Landy (Haynes group)** for winning a University of Minnesota Undergraduate Research Opportunity Project (UROP) award to continue her CSN research with graduate mentor, **Joe Buchman**!

**Howard Fairbrother** has been elected to serve as the 2017 Chairman of the ACS Division of Colloid and Surface Chemistry ([link](#)). Congratulations, Howard!



## CSN Productivity

**Autumn Qiu, Marco Torelli, Ariane Vartanian, Nathan Rackstraw, Joe Buchman, Lisa Jacob, Cathy**



**Murphy, Bob Hamers, and Christy Haynes** had their manuscript, titled "Quantification of Free Polyelectrolytes Present in Colloidal Suspension Reveals Source of Toxic Responses for Polyelectrolyte-wrapped Gold Nanoparticles," accepted by *Analytical Chemistry*. You can find the link to the online version of the paper [here](#).

## CSN Media Coverage

Tuskegee University recently highlighted **Donald White** and **Mike Curry** for their work demonstrating that nanocellulose can be suspended in an organic solvent. Mike Curry explains that "this discovery will allow us to develop new and better plastic products, use plastic resources more efficiently and create products that have a low impact on the environment, thus reducing our ecological footprint." Check out the full article [here](#).



Photo Credit: Tuskegee University



The Sustainable Nano podcast continues in full swing, with eleven episodes now available on our [website](#), as well as [iTunes](#), [Stitcher](#), and NSF's [Science360 Radio](#). Students and faculty have worked on multiple episodes, including interviews, book reviews, and mini-biographies. Let Miriam know if you'd like to get involved, too!



## Lab Exchanges

**Donald White (Curry group)** visited the Johns Hopkins University back in September to test biodegradability of nanocellulose and nanocellulose plastic composites, and to learn about capabilities in the Fairbrother group. Recently, **Ben Frank (Fairbrother group)** returned the favor by visiting Tuskegee University to learn about nanocellulose synthesis and testing from the Curry group, including a new functionalization procedure that he will be testing back at Johns Hopkins.



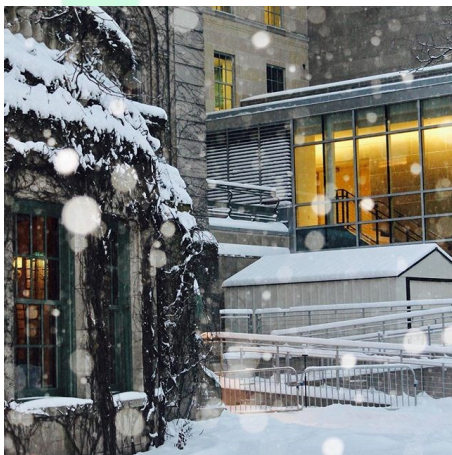
## CSN Talks and Presentations

**Christy Haynes** recently presented CSN work for an invited seminar at the University of Colorado, Denver. She will also be giving a TEDx talk called “Nanomaterials Are Everywhere; How Do We Make Them Safe?” in Edina, MN on January 21.

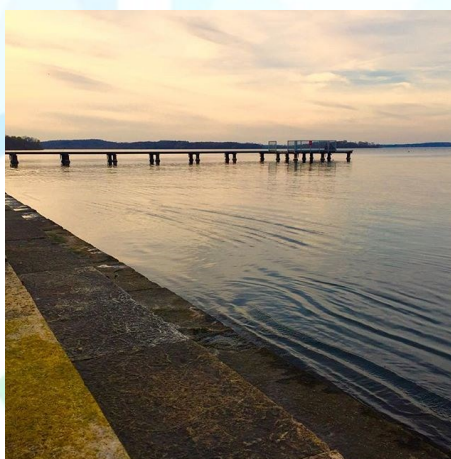


## Fun!

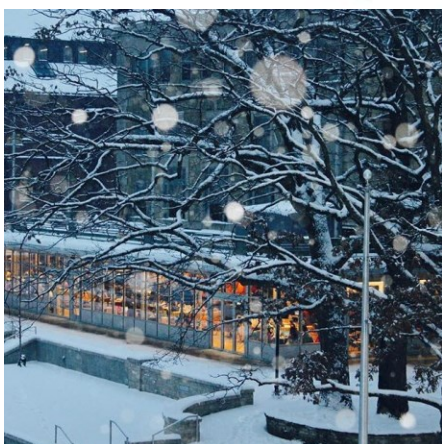
Congratulations to **Emily Caudill (Pedersen group)**, who was one of the winners of the [@wisconsinunion](https://www.instagram.com/wisconsinunion) #studentcapture photography contest on Instagram! Here are a few of her photos (reproduced with permission, of course):



What good is the warmth of summer, without the cold of winter to give it sweetness?



Self-portrait



“Study nature, love nature, stay close to nature. It will never fail you.” - Franky Lloyd Wright

“I wonder if the snow loves the trees and fields, that it kisses them so gently? And then it covers them up snug, you know, with a white quilt; and perhaps it says, “Go to sleep, darlings, till the summer comes again.”” - Lewis Carroll

## Looking Ahead

Professional development opportunity: The National Academies are hosting a public discussion on “Communicating Science Effectively: A Research Agenda” on **Tuesday, Jan 10 from 10:00-12:30 Central**. The event will be webcast: see [this site](#) for more information and registration link.

**Rigoberto Hernandez** is organizing the second Academic Leader Training (ALT) Workshop on February 26-28. The workshop is aimed towards mid-career academics who are interested in exploring positions as academic leaders (e.g. Department Heads, College Deans, or Research Center Directors.) Notably, our very own CSN Director, **Bob Hamers**, will once again be one of the facilitators. Rigoberto led a discussion of the workshop as one of our earlier professional development exercises and will lead a CSN professional development exercise on leadership in the near future. More information about registration and the agenda for the workshop is available [here](#).

### Important CSN dates for the coming semester:

- **January 20 (Faculty)** to complete): Updated projects and student % effort.
- **Student** monthly reports will be due **the last Friday** of each month (next due date: January 27).
- **February 15:** REU/REV applications are due - spread the word!
- **April 13:** “Red Team” meeting in Minneapolis for all faculty plus specific student presenters (TBD)
- **May 6-9:** Site Visit in Madison for all faculty plus specific student presenters. **Everyone participating in the Site Visit will need to arrive on Saturday, May 6**, so that we can do a full practice run on Sunday, May 7. The Site Review will occur on Monday, May 8 through the early afternoon of Tuesday, May 9<sup>th</sup>. Participants can plan to leave in the early evening on Tuesday, May 9<sup>th</sup>.

### Upcoming conferences:

**April 4-6:** ACS National Meeting

**April 16-21:** MRS National Meeting

**April 4-6:** ACS conference

**Rebecca Klaper** is Vice Chair for the Environmental Nanotechnology Gordon Research Conference that will be held in Stowe, VT from **June 18-23**. Applications are **due by May 21**, but Gordon Conferences tend to fill early. For more information, go to the conference website [linked here](#).

**Reporting Reminder:** Now would be a great time to update your [New CSN Conference Presenatations/Papers](#), [CSN Lab exchanges](#), [Outreach Activities](#), and [Awards \(or other activities\)](#)! You'll have to do it for the annual report, anyway, so why not get the New Year started on the right foot and update all those items you forgot to add over the last few months (CSN would call it a New Year's resolution, but we know nobody every follows through on those)!

## Lost in Cyber-Space?

[HOME](#) [ABOUT US](#) [OUR TEAM](#) [NEWS](#) [EDUCATION & OUTREACH](#) [WORKING WITH THE CSN](#) [PUBLICATIONS](#) [RESEARCH](#) [MEMBERS](#)

*Links to frequently requested CSN documents and information sources*

*For these documents and more, visit the [Center Resources page](#) on the [CSN website](#) (requires login though Members page, contact [Miriam](#) if you need help).*

**Newsletter submissions** (awards, highlights, lab exchanges, publications, FUN, etc.): [link](#)

### CSN Documents and Downloads

- CSN calendar (RFA, All-hands, professional development): [link](#)
- CSN Operations Guide 2.1: [link](#)
- CSN participants list (Names, group, and email addresses): [link](#)
- CSN Projects Documents (May 2016 version): [CSN Projects](#)

### CSN Reporting Forms

- Report lab exchange activities: [link](#)
- New CSN Publications: [link](#)
- New CSN Presentations: [link](#)
- Report Outreach Activity: [link](#)
- CSN Safety Verification form: [link](#)
- Nanoparticle availability (Listing of NPs available center-wide): [link](#)

### CSN Feedback Forms

- Requests for the Executive Committee (meeting agenda): [link](#)
- SuggestionOx (completely anonymous comments/suggestions to CSN staff):  
Director (Bob): [link](#)  
Associate Director (Christy): [link](#)  
Managing Director (Mike): [link](#)  
E/O Director (Miriam): [link](#)

