

What's happening in the CSN?

August 14, 2017

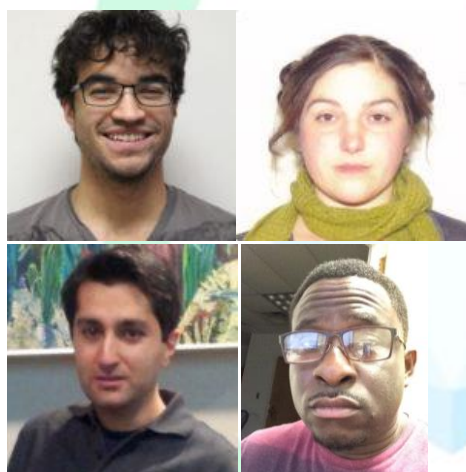
Volume 2, Issue 9



Celebrations

Welcome new CSN members!

Welcome **Aden Dudley Mason (Mason group)**, who joined the world on 8/7/2017! After 40 weeks and 2 days, he weighed in at 9 lb 10 oz (4.37×10^{12} ng)! Though Aden no longer has a hardwired connection to his M.O.M. resource, he now has full access to both M.O.M.1 and M.O.M.2, which means unlimited L.P.U (Love Processing Units)!

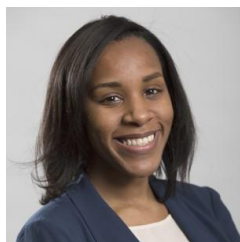


The CSN welcomes two new graduate students; **Zack Jones (Hamers group, top left)**, who received his B.S. in Chemistry (minor in African Diaspora Studies) from Ithaca College, and **Leslie Sigmon (Fairbrother group, top right)**, who received her B.S. in Chemistry and Biology from the University of North Carolina at Asheville. The CSN also welcomes two new postdocs. **Ali Abbaspour Tamijani (Mason group, bottom left)** received a B.S. in Chemistry from Sharif University of Technology, an M.Sc. in Chemistry from the University of Tehran, and a Ph.D. in Chemistry from Wake Forest University. **Mesele Oluwaseun (Cui group, bottom right)** received a B.Sc in chemistry from University of Lagos, an M.Sc in chemistry from Cardiff University, and a Ph.D. in Chemistry from the University of Kansas.

Milestones and awards

Congratulations to **Miranda Gallagher (Fairbrother group)** for winning the "best poster award" at the Environmental Nanotechnology Gordon Conference. Her prize? She got to do an elevator pitch to all conference attendees during the closing session.



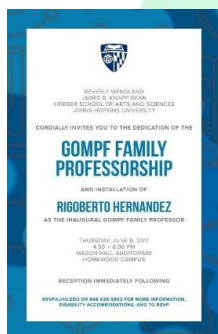


Alicia McGeachy (Geiger group) has won a 2017 Robert L. Burwell Scholarship from Northwestern University, which recognizes and rewards excellence in physical chemistry. Congratulations, Alicia!

Congratulations to **Cathy Murphy**, who was appointed as a permanent faculty member for the Center for Advanced Study at the University of Illinois! The appointment is “one of the highest forms of academic recognition the University of Illinois campus makes for outstanding scholarship.” Read more about the appointment [here](#).



chemistry.illinois.edu

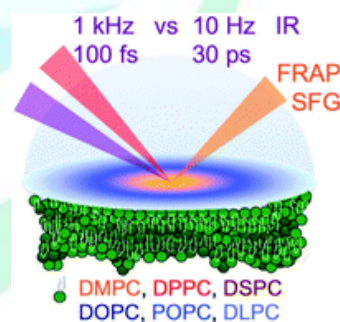


Rigoberto Hernandez was formally installed as the first [Gompf Family Professor](#) at Johns Hopkins at a ceremony on June 8th. Friends of the family were on hand to celebrate the lives of Thomas and Elaine Gompf. Rigoberto's work was also featured in a JHU [press release](#) and [Youtube video](#).

CSN Productivity

New CSN Publications and Patents

Laura Olenick, Hilary Chase, Li Fu, Yun Zhang, Alicia McGeachy, Merve Doğangün, Stephanie Walter, Hongfei Wang (CSN Collaborator, PNNL), and **Franz Geiger**. “Single-component supported lipid bilayers probed using broadband nonlinear optics.” *Physical Chemistry Chemical Physics*, 2017. Laura's manuscript will be part of the “Complex molecular systems: Supramolecules, biomolecules and interfaces” [themed issue](#). Read the advanced online version of the manuscript [here](#).

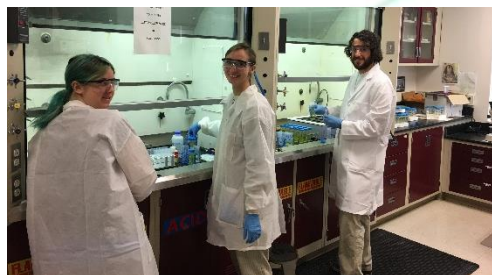


Are women scientists getting the credit they deserve? Christy Haynes, *Analytical Chemistry*, 2017. Christy's editorial, which she was invited to write based on her [“Matilda Effect” blog post](#), which is online [here](#).

Donald White and **Mike Curry** were issued a provisional patent for their invention titled “Nanocellulosic Compositions.”

Lab Exchanges

Miranda Gallagher (Fairbrother group) visited the **Klaper** lab at UW-Milwaukee (Left to Right: **Nicholas Niemuth**, **Becky Curtis**, **April Laranang**, **Nick Neureuther**, **Miranda Gallagher**, and **Meagan Stettinisch**).

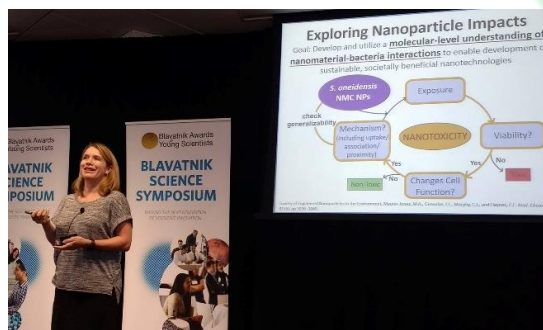


Natalie Hudson-Smith (Haynes group), **Jaya Borgatta** (Hamers group), and **Ricky Brown** (Rosenzweig group) visited the **White** lab at the Connecticut Agriculture Experiment Station (shown left to right).

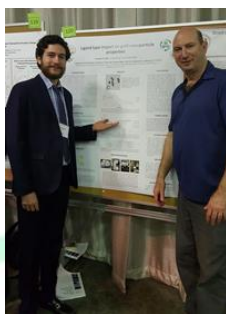
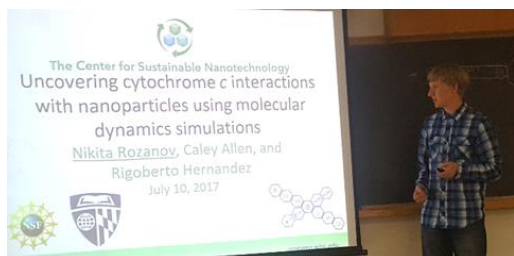
Mike Schwartz visited the **Murphy** group at the University of Illinois, where he had some great science conversations with **Meng Wu**, **Cassie Zhang**, **Dan Hofmann**, and **Cathy Murphy**. He also visited the **Mason** group at the University of Iowa, where he met with **Diamond Jones**, **Joe Bennett**, **Ali Abbaspour Tamijani**, and **Mary Huang**. Mike also had a chance to check out **Ben Catalano's** poster at the University of Iowa REU poster session.

CSN Talks and Presentations

Donald White (Curry group) gave a lecture on "Sound Waves" to High School Students that participated in **Mike Curry's** NSF-Funded "Tuskegee University Builders Academy." During this exercise, the students were tasked to build a sound proof box with the only the materials that they were given.



Christy Haynes presented at the Blavatnik Symposium, which was held to honor this year's nominees for the award administered by [The New York Academy of Sciences](#). Christy was a finalist for the Blavatnik Award, which you can read more about [here](#).



CSN REU student **Nikita Rozanov** (Hernandez group, left picture) gave a talk, entitled "Uncovering cytochrome c interactions with nanoparticles using molecular dynamic simulations," at the JHU REU seminar. **Leonoldo Posada** (Rosenzweig group, right picture) also presented his poster at the UMBC Summer Research Festival.

The CSN was featured at the recent CECAM workshop in Bremen, Germany on "Tackling Complexity of the Nano/Bio Interface - Computational and Experimental Approaches." CSN PIs **Qiang Cui**, **Joel Pedersen** and **Bob Hamers** and international collaborator **Thomas Frauenheim** organized the workshop to bring together computational chemists and experimental scientists working at the nano-bio interface. Approximately 70 people participated including the CSN's **Cathy Murphy**, **Rigoberto Hernandez**, **Joe Bennett** (Mason group), and **Liz Laudadio** (Hamers group).

Rigoberto Hernandez, **Caley Allen**, **Gene Chong**, **Ali Rahnamoun**, and the rest of the Hernandez group went to Boston, en masse, for the American Conference of Theoretical Chemistry the week of July 17th.



Left to Right: Saurov Hazarika, **Ali Rahnamoun**, Alex Popov, **Caley Allen**, Yutaka Nagahata, Rakesh Singh, **Rigoberto Hernandez** and **Gene Chong**. The menu was full of nonequilibrium molecular dynamics, multiscaling methods, and oysters.

Fun!



CSN researchers and friends channeling the "Sound of Music" at the beautiful Von Trapp property in Vermont.

A significant number of CSN scientists enjoying the "Environmental Nanotechnology" Gordon Research Conference along with a tour of the Ben & Jerry's factory between sessions



Hernandez group strikes a pose (there's nothing to it).

Christy completes her half marathon

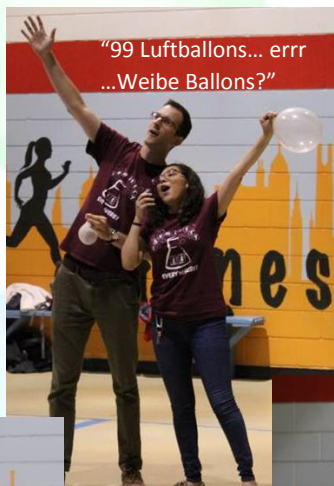


The Haynes group's pie bake-off is an annual event on the day of group's summer undergraduate research symposium. **Miriam Krause** was one of the "celebrity" judges and CSN researcher **Joe Buchman** was the winner with an Oreo peanut butter pie that clearly should be shared with all the participants of the next All-hands meeting.

Outreach fun!



Lots of CSN members from the **Carlson, Feng, and Haynes** groups did an awesome outreach event at the W. 7th Community Center on August 3rd.



The Latest from Sustainable Nano (sustainable-nano.com)

CSN Blog Posts

- July 21: [Sustainable Nano Summer Update](#) by Miriam Krause
- July 26: [X-Ray Photoelectron Spectroscopy](#) by REU student Katrina Carlin (**Fairbrother** group)
- August 1: [Mental Health and the Diversity of Minds](#) by Izzy Foreman-Ortiz (**Pedersen** group)

The Latest from Sustainable Nano (continued...)

CSN Podcasts

- Thanks to everyone who recorded podcast interviews over the summer, including multiple sessions at the Environmental Nano GRC!

Opportunities

This year's National Organization for the Professional Advancement for Black Chemists and Chemical Engineers ([NOBBChE](#)) conference is in Minneapolis, Oct 30-Nov 3, and several CSN members already plan to attend! The deadline for submitting technical abstracts and applying for **student travel awards** has been extended to August 31. Read more about the conference [here](#).

The [Annual Biomedical Research Conference for Minority Students \(ABRCMS\)](#) is one of the nation's largest STEM conferences for minority undergraduate students. Travel awards are available for first time presenters. [Apply for a travel award](#) by **August 25th** and **Abstract are due by September 8th**.

Reminder: the CSN has set aside money to help our trainees attend conferences. For grad & postdoc trainees the emphasis is on attending smaller conferences like NOBBChE, ABRCMS, and SACNAS; REU/REV students presenting their CSN work can get support for any conference including ACS. Contact Miriam for more information!

This year's Sustainable Nanotechnology Organization ([SNO](#)) conference sessions represent a hybrid of topics on selected "systems" that contribute to sustainability and more traditional topics. Sessions will be populated with talks on applications, effects and implications, analytical methods, and lifecycle aspects of nanomaterials within each system. The aims are to identify where nanomaterials and nanotechnology can improve the sustainability of each system and to foster integration of knowledge between applications and implications within each system. We also aim to encourage papers on the applications of nanomaterials to sustainability. More about the sessions can be found [here](#). [Student awards are available](#). The deadline is Friday, August 11 and Abstracts are due Friday, August 18.

Looking Ahead

The fall ACS is August 20-24. If you will be attending and want to meet up with other CSN folks, please fill out the brief Google poll [here](#). The list can be viewed [here](#).

Our Fall All-Hands Meeting will be October 6-7 at the University of Illinois, Urbana-Champaign. CSN members should plan to arrive at UIUC on Thursday the 5th and depart on Sunday the 8th. Information for trainee travel reservations will be coming soon.

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 2.3: [link](#)
- CSN participants list (Names, group, and email addresses): [link](#)
- CSN Projects Documents (Spring 2017 version): [CSN Projects](#) - [% Effort sheet](#)

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](#)

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

