Dear CUNY Nanoscience Community,

As we approach the end of the year, we wanted to share a recap of all the exciting events and news that transpired this year. Below are a few highlights in our Nanoscience Community!

Do you have a role or interest in an interdisciplinary research that connects with one of the ASCR five initiatives? Please contact us to become an ASCR Faculty Fellow! Read more here.

Next year will be an especially exciting time for Nanoscience studies. Plans for Nano Day in Spring 2023 are underway. Stay tuned for updates on our spring event.

INITIATIVE NEWS
- Nanoscience hosted a virtual global symposium on Chemistry Symposium with three days of talks and an on-demand Twitter hashtag event. Read: National Chemistry’s meeting report on the event.
- Congratulations to Professor Adam Bouchaich and his full professorship!
- Rosa Petronelli (Alppy and Chen Group) paper was recently accepted in Nature Materials. Read more here.
- The Bouchaich Group has recently been awarded approximately $2.1M in research funding. The grants were awarded by the ARQ, OFG, and NSF. The money will fund multiple research projects, including projects aiming to create new tools for the preparation of arbitrary bioactive surfaces. This work will expand the research organizations such as the Comparative Animal Neuroprosthetics Project and the Center of Material Control of Chemistry.
- We would like to tell you about our recent hires! Two new hires join the faculty following the summer turnover.
- Magdelene Lee, a former Nano-REU student from the University of Washington, was awarded a very competitive national fellowship! See our news for more.

COMMUNITY NEWS

The German Physical Society (DPG) named Professor Jana Seungri a winner of this year’s “The Inspiring People” award. Read more here. Elle’s paper was recently accepted in Nature Chemistry. Read more here.

Professor Mikael Marlowe’s project “Hopping sugars: molecular mechanism of pyranose ring rearrangement” received a $90,000 grant from the NEH/NSF. Dr. Marlowe wants to use the new quantum chemistry methods to probe specific reaction mechanisms that facilitate such rearrangement in complex carbohydrates.

Congratulations to our recent graduates!
Click on their names to find more about them in LinkedIn and stay in touch.
- Juyen Chang, Stifter Fellowship (Center for Advanced Research Center, Center for Advanced Research Center).
- Shengnan Hu, Graduate Student (Center for Advanced Research Center).
- Brian Franc, Undergraduate Student (Center for Advanced Research Center).
- Spencer Jaffe, Undergraduate Student (Center for Advanced Research Center).
- H-phase, Undergraduate Student (Center for Advanced Research Center).

PUBLICATIONS & GRANTS

Across CUNY, the nanoscience community has had a remarkable year so far in obtaining 17 competitive federal awards, including $1.4 million in future funding from the NSF. This includes large and small grants with a collective value of $8.9M. This is commensurate especially given the funding environment these projects were reviewed in.

While we haven’t yet been able to track all publications, we are aware of at least 31 papers published in 2022 in peer-reviewed journals by our community, with many of these being leading journals, including PNAS, Nature Materials, Science, and Nature Chemistry. These publications include more than 1,000 references, which I hope to get as a complete picture of output from our community, as it will raise awareness and opens doors to large center grants. So please share your successes with us.

Please find our latest publications here, as well as our new website.

NEW MEMBERS

Hanyu Backhaus
Arnout Emonts
Dorthe Eisele
Ivan Budiarto
Dr. Chih-Wei Peng

Please email Jye Son (jye@g.cuny.edu) to share news and publications for future newsletters.

CUNY, as a leading public research university, offers cutting-edge research opportunities. We are excited to welcome new members to our community and look forward to continued success. Together, we will make a difference in the field of nanoscience.

Sincerely,
[Your Name]
CUNY Nanoscience Community