

## August and Everything After (can you name the band?): News for August 2, 2024

'Kimberly M. Hazen' via Chemistry Everyone <chem\_everyone@g-groups.wisc.edu>

Fri 8/2/2024 12:00 PM

To:everyone mailman <everyone@chem.wisc.edu>



**Good news:** (Send your good news to [Kimberly Hazen](#))

- Congratulations to **Tehshik Yoon**, who has received a Kellett Mid-Career Award from UW-Madison.
- **Willa Mihalyi-Koch** (Jin) has been recognized by the ACS Graduate Student and Postdoctoral Scholars Recognition Program. Congrats Willa!
- Wonder what summer chemistry is like from the undergraduate student perspective? Read this [student blog](#) about conquering chemistry in the summer term.

**Staff Spotlight: Aaron Kluck:**



Aaron Kluck, Financial Specialist

*"I enjoy the people I get to work with and the climate the most. Everyone is always willing to help me out, especially while I am just getting started here."*

- Our first Staff Spotlight is **Aaron Kluck**. Aaron is a Financial Specialist in the business office. He has a BBA in Finance, Investment and Banking and began working for the Department of Chemistry soon after his graduation in May of this year. His job involves processing different transactions such as department purchases, travel expenditures, and many more that benefit the University and the research that takes place. Outside of work, Aaron enjoys playing soccer and being in nature.
- Let's learn more about you with our Staff Spotlight! Tell us what you do for the Department of Chemistry and a little about yourself. It's easy and just take a few minutes. [Click here](#) to respond.

### Happenings of note:

- Happy retirement to **Prof. Mark Ediger** and Analytical Lab Director **Rob McClain** who officially retired this week. Welcome to our new Instrumentation Scientist **Gabi Caruso**!
- **Happening now:** GSK/UW Summer Symposium 2024  
August 2, 2024  
Keynote Speaker – Prof Richmond Sarpong (UC Berkeley)  
GSK speakers, flash talks, and a poster session.



- Vote for the next GSFLC T-shirt design. There are many great designs to choose from. Vote for your favorite by Monday, August 5, 2024, at [this link](#).
- **North Tower work:** Beginning on Mon Aug 5 and lasting 1-2 weeks, the construction team will remove the stainless-steel soffit panels at the ceiling in front of the elevators in the North Tower. These panels, which are in various states

of failure, will be replaced with drywall on all floors of the North Tower. Access to the elevators, as well as access between North Tower and Daniels wing, may be occasionally blocked.

- **Retirement Celebration for Jeanne Hamers**
  - North Tower Atrium
  - August 6, 2024 @ 2:30 pm
  - Please join us for apps and beverages in the North Tower Atrium on Tuesday, August 6th at 2:30 pm to celebrate Jeanne's wonderful career!
- **Server maintenance:** Downtime for chemistryfs3 and chemfiles is scheduled for the evening of Sunday, August 11, 2024. It should last no longer than an hour. When the server comes back up, it will use your WiscAccount (NetID and password) for sign-in.
- **Graduate Student Orientation 2024**
  - August 19, 2024 @ 10:00 am - August 23, 2024
- **Department of Chemistry Poster Session:** You're invited on Thursday August 22, 2024 from 4:00 – 5:30 pm in the North Tower atrium / Learning Studio. This poster session welcomes first-year graduate students to the department. This is your opportunity to share your group's research with first-year graduate students and the rest of the department. Everyone in the department is welcome to attend.
- **Organic Syntheses Seminar: Prof. Dr. Tobias Ritter** (Max-Planck-Institut für Kohlenforschung University)
  - 1315 Seminar Hall
  - August 23, 2024 @ 3:30 pm
  - "Late-Stage Functionalizations"
- **Fall WARF Therapeutics Program Proposal Deadline: September 3**
  - [WARF Therapeutics](#) collaborates with researchers to advance their work closer to clinical testing, a “bench to bedside” approach. The program invests in the development of drug-like molecules using industry-centric drug discovery resources and approaches led by a team of preclinical drug discovery experts.
  - Researchers are encouraged to meet with [Jon Young](#) to discuss their program and learn more about WARF Therapeutics. Principal investigators are invited to submit stage 0 and stage 1 project proposals by September 3, 2024, which will be reviewed at our fall Scientific Advisory Board meeting on September 24.

- Staff 2023-2024 Performance Evaluations are due September 15: Performance evaluations for the 7/01/2023 -6/30/2024 period must be completed in the PMDP system by September 15, 2024. Supervisors can access UW PMDP support materials for instructions and contact Char Horsfall with questions.
- Planning is underway for the WI Science Festival - and Tuesday, Oct 15, 2024 will be FIELD TRIP DAY!!! We invite ~1,000 K-12 students to explore science at the Discovery Expo AND visit and experience other campus locations!
  - Three options to participate:
  - Host k-12 groups (any size or grade!) to visit your location here in the Chemistry building - this could be a good opportunity to try out 20–30-minute hands-on activities or a tour. 😊
  - You can also have a table at Discovery for Field Trip Day - the expo would be more of a shorter, hands-on encounter.
  - You can also do either of these things on the Community Day on Saturday, Oct 19 between 10 & 1Dpm
  - To sign up and/or plan together, please notify [Peter Jaeger](#). For Field Trip Day, please reply by August 1.
- **[Be a part of the 2024 Wisconsin Science Festival! \(Oct. 14-20\)](#)**
  - There are two main ways to participate in the WSF.
  - Sign up to present some hands-on science at one (or more!) of three opportunities during the week of the festival. Share with school field trips, Science on the Square, or the Community Expo
  - Host an event during the week of the festival here at the Chemistry Building! All events are welcome! Events include guided tours, open houses, lectures, shows, virtual activities, and more!
  - Check in with Peter Jaeger for more information and how to sign up!
- **GSFLC reminders** and community-building events!
  - Save the date for the **40th annual Snout Out** - Chemistry Department picnic! All department members (graduate students, postdocs, faculty, and staff) are invited to this FREE event (supported by department funding).
    - Saturday, August 24, 2024 at Hoyt Park (3902 Regent St Madison, WI 53705).
    - Lunch will be served at noon and the first softball game will start at 1:30 pm. Participation in softball is optional.
    - Please indicate that you plan to attend using [this form](#). If you plan to bring a guest, please fill out a form for them. Guests also attend for free.

- Show your UW Chemistry pride by participating in our first-ever GSFLC Wellness Committee Spirit Week!
  - 8/19-Monday: Pajama Day
  - 8/20-Tuesday: Twin Day
  - 8/21-Wednesday: Dress as a PI Day
  - 8/22-Thursday: Frat Day
  - 8/23-Friday: Wisconsin Day
- Fall Bonfire
  - Friday, September 6 (rainout date: September 13)

For more information about the Graduate Student Faculty Liaison Committee (GSFLC), how to join, and our event calendar, visit <https://chem.wisc.edu/gsflc/>.

- **Join us in Denver at ACS!** The department will be hosting a special [Alumni & Friends reception](#) from 5-7 p.m. on Sunday, August 18 at the Sheraton Downtown Denver Hotel. If you'll be at the conference, we hope to see you there.

### Recent department publications (compiled by Ariel Andrea):

- Capek, G. O.; Howdieshell, C. J.; Garand, E., Square Parametric Excitation: A Digital Resonant Method for the Quadrupole Ion Trap. *Journal of the American Society for Mass Spectrometry* 2024. <https://doi.org/10.1021/jasms.4c00169>
- Carrocci, T. J.; Demario, S.; He, K. V.; Zeps, N. J.; Harkner, C. T.; Chanfreau, G. F.; Hoskins, A. A., Functional analysis of the zinc finger modules of the *Saccharomyces cerevisiae* splicing factor Luc7. *RNA* 2024, 30 (8), 1058-1069. <https://doi.org/10.1261/rna.079956.124>
- Garg, R.; DeZonia, B.; Paterson, A. L.; Rienstra, C. M., Low power supercycled TPPM decoupling. *Journal of Magnetic Resonance* 2024, 365. <https://doi.org/10.1016/j.jmr.2024.107726>
- Harding, B. D.; Barclay, A. M.; Piehl, D. W.; Hiatt, A.; Warmuth, O. A.; Han, R. X.; Henzler-Wildman, K.; Rienstra, C. M., Cross polarization stability in multidimensional NMR spectroscopy of biological solids. *Journal of Magnetic Resonance* 2024, 365. <https://doi.org/10.1016/j.jmr.2024.107724>
- Hoque, M. A.; Gerken, J. B.; Stahl, S. S., Synthetic dioxygenase reactivity by pairing electrochemical oxygen reduction and water oxidation. *Science* 2024, 383 (6679), 173-178. <https://doi.org/10.1126/science.adk5097>
- Lee, W. M.; Li, H. C.; Du, Z. L.; Feng, D. W., Ion transport mechanisms in covalent organic frameworks: implications for technology. *Chemical Society Reviews* 2024. <https://doi.org/10.1039/d4cs00409d>
- Marr, L. C.; Cappa, C. D.; Bahnfleth, W. P.; Bertram, T. H.; Corsi, R. L.; Ellis, M. J.; Henze, G. P.; Isaacman-VanWertz, G.; Miller, S. L.; Pistochini, T.; Ristenpart, W. D.; Vance, M. E.; Vikesland, P. J., Toward Clean and Green Buildings. *Journal*

of Environmental Engineering 2024, 150 (9).

<https://doi.org/10.1061/joeedu.Eeeng-7727>

- Mihalyi-Koch, W.; Guo, S. H.; Dai, Z. B.; Pan, D. X.; Lafayette, D. P., II; Scheeler, J. M.; Sanders, K. M.; Teat, S. J.; Wright, J. C.; Lu, X. J.; Rappe, A. M.; Jin, S., Revealing hidden non-centrosymmetry in globally centrosymmetric 2D halide perovskites. Chem 2024, 10 (7). <https://doi.org/10.1016/j.chempr.2024.03.012>
- Seo, D.; Grieder, A.; Radmilovic, A.; Alamudun, S. F.; Yuan, X.; Ping, Y.; Choi, K. S., Atomic doping to enhance the p-type behavior of BiFeO<sub>3</sub> photoelectrodes for solar H<sub>2</sub>O<sub>2</sub> production. Journal of Materials Chemistry A 2024. <https://doi.org/10.1039/d4ta03191a>
- Zhang, D.; Gao, J. J.; Zhu, Z. J.; Mao, Q. Y.; Xu, Z. Q.; Singh, P. K.; Rimayi, C. C.; Moreno-Yruela, C.; Xu, S. L.; Li, G. Y.; Sin, Y. C.; Chen, Y.; Olsen, C. A.; Snyder, N. W.; Dai, L. Z.; Li, L. J.; Zhao, Y. M., Lysine L-lactylation is the dominant lactylation isomer induced by glycolysis. Nature Chemical Biology 2024. <https://doi.org/10.1038/s41589-024-01680-8>

