



Rachel Wallick

**Chemical Sciences & Engineering Division,
Argonne National Laboratory
9700 S Cass Ave
Lemont, IL 60439
rwallick@anl.gov**

Current Position

- 2024-Present, Postdoctoral Research Associate, AMO Physics, Chemical Science and Engineering Division, Argonne National Laboratory

Education & Employment History

- 2018-2024 PhD., Physics, University of Illinois at Urbana-Champaign
- 2012-2016, B.S., Chemistry, University of Maryland

Honors & Activities

- >1000 hours of beamtime at the APS, BESSY II, EuXFEL, SLS, and FERMI facilities.
- DAAD Rise Professional Internship at Helmholtz-Zentrum Berlin, 2023.

Interests

- X-ray absorption and emission spectroscopy
- Ultrafast X-ray spectroscopy
- Ultrafast X-ray scattering
- Photophysics of ultrafast processes in solvated transition metal complexes

Ideas for Advocacy for the User Community

The ability to perform pump-probe X-ray spectroscopy and scattering measurements is determined by the APS-U technical parameters. Timing mode of the APS-U is critical for the success of these experiments. If elected to the APS User Executive Committee, I intend to advocate for the time-resolved community. The APS is a leading facility for time-resolved spectroscopy and scattering measurements. I intend to advocate for the needs of these experiments to ensure that time-resolved research at APS-U can continue to thrive.