

## NRF User of the Month



### Garrett Baucom, December 2024

In appreciation for being an exemplary user with outstanding compliance to safety protocols and engagement with NRF staff and users to create a better safety culture.

*"My work focuses on the structural characterization of next-generation ferroelectric materials like hafnium zirconium oxide and scandium aluminum nitride. At the NRF, I use the FIBs to prepare cross-sectional samples of thin films, which I characterize using the Themis Z S/TEM. I use methods like atomic resolution imaging, elemental spectroscopy, and scanning nanobeam electron diffraction (4D-STEM) to reveal structural information such as strain, crystallographic phase, and polarization direction which are related to material processing conditions."*

## Congrats, and a big Thank You to our December User of the Month, Garrett!

The NRF staff would like to thank Garrett for his consistent adherence to safety protocol including the after hours access procedures. We also thank Garrett for his fabulous Web Demo on the Themis he gave for our Open house. Did you miss the demo and want to view it? It is available on our [youtube](#) channel.

## Upcoming RSC Events:

- User Advisory Committee Meeting - [ZOOM](#) + NRF115 - Thursday 1/16 at Noon
- Game Night - NRF 115 - Thursday January 16th at **5pm** [RSVP](#)
- MLK Day - NRF in AHA only mode - Monday January 20th

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- **Ongoing:** New publication? Data collected at the RSC? [Click to tell us!](#)
  - Still writing? Check out our new [easy acknowledgement templates](#).
- **Ongoing:** [Submit Photos for the Annual Nano Day Image Contest: It's very early but you can submit your image for the 2025 Contest \[HERE\]\(#\)](#)

## Safety Side Note:

Don't forget to take care of yourself. We all need sleep, food, and recharge time. If you are struggling, remember there are resources available on campus. You can reach out to the [Counseling and Wellness Center](#) for professional services, the [Hitchcock Field & Fork](#) pantry if you are in need of food, and the [SKY Happiness Retreat](#) is offering a free for students retreat in March. If you just need to talk about your research, you know our staff are here for you anytime you need.



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