

NEWS FROM THE ANALYTICAL INSTRUMENTATION FACILITY (AIF) - MAY 2020



NEW: AIF YouTube Channel

Are you interested in learning more about the basics of TEM, FIB, and other instruments at AIF? Look no further! AIF has created a YouTube channel that includes introduction videos. Make sure to click the subscribe button as we will continue to add material.

[Subscribe Here »](#)



AIF User Spotlight

Sarah Smith is a second year PhD student in Chemical Engineering working under Dr. Gregory Parsons. Her research focuses on immobilization of metal organic frameworks (MOFs) onto bare fibers for chemical warfare agent adsorption and degradation. Read more about Sarah and her research here.

[Meet Sarah Smith »](#)



AIF User Protochips Supporting the Fight Against COVID-19

Protochips is a manufacturer of analytic research equipment and supplies for the Transmission Electron Microscopy (TEM) market and is one of many of AIF's external users. They are one of two companies in the world that produce the microfabricated carbon sample supports used to freeze and image Coronavirus samples, and the only supplier of this product in the United States. Read more about how they're helping fight against the coronavirus here.

[Learn More »](#)



Associate Director of AIF Receives Outstanding Teacher Award

AIF's Associate Director, Hsiao-Ying Shadow Huang, received a university-level Outstanding Teacher Award. The award recognizes excellence in teaching at all levels. Please join us in congratulating her on her success!

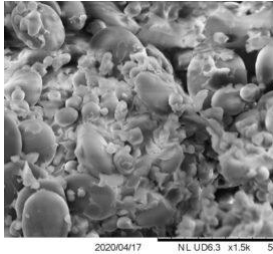
[2019-20 University Teaching Awards »](#)



New Instrument Alert: Hitachi TM4000 Tabletop SEM

The AIF is now home to a new Hitachi Tabletop SEM. The SEM is used primarily for education and outreach activities. It accommodates sample sizes of up to 80 mm in diameter and 50 mm in thickness. Contact Phillip Strader at pmstrade@ncsu.edu if you have questions about this new microscope or would like to partner or volunteer for some of the activities that utilize this instrument.

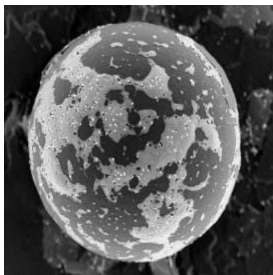
[More Information »](#)



RTNN Take-out Science

RTNN's Take-out Science show has been wildly successful with viewers of all ages. It was highlighted by Duke's Pratt School of Engineering. Ken Kingery, Senior Science Communications Specialist at Duke University, spoke to Holly Leddy, Phillip Strader (NC State), and Maude Cuchiara (NC State) about the launch of this educational program. Read the [article here](#).

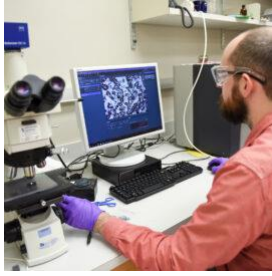
[Take-out Science »](#)



Final Reminder: Envisioning Research Competition - You Could Win \$250!

The Envisioning Research competition is now open and accepting applications! The contest awards the best visual representations of NC State research, including microscopy images. Graduate students, undergraduate students, postdocs, faculty, and staff can apply. The deadline is June 5, 2020. Show off the cool pictures you have from AIF!

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Phase 1 Restart of Research Activities

On May 8, Vice Chancellor Mladen Vouk released a memo that provides more details about the Phase 1 Restart of Research Activities process. Effective May 18, the AIF equipment, laboratories, and staff will be available to support your research activities. Click here to read the message regarding sample submission, virtual collaboration, and more.

[Read More »](#)

[View Our Upcoming Virtual Events! »](#)