



## Tour Research Labs of UNCG STEM Faculty

Lab	Location	Researcher	Department	Brief Description
Carolina Tree-Ring Science Laboratory	404 Graham	Dr. Paul Knapp	Geography, Environment, and Sustainability	Learn how information from tree rings can provide information about past climates and environmental events such as fire and pest infestations!
Regolith Analysis and Hydrogeomorphology Lab	403 Graham	Dr. Dan Royall	Geography, Environment, and Sustainability	View and experiment with samples of rock, sediment, and soil through microscopes! Learn about a mini-flume apparatus that simulates streamflow hydraulics and sediment!
Oberlies Fungal Natural Products Lab	464 Sullivan	Dr. Huzefa Raja	Chemistry and Biochemistry	Learn about how our lab studies Fungi as well as the many applications it, such as bioremediation, pollution mitigation, and as a resource for developing drugs to combat various human diseases.
Oberlies Fungal Natural Products Lab	451 Sullivan	Kyle McGuff	Chemistry and Biochemistry	Observe a demonstration of flower bleaching and discoloration using burning sulfur and ammonia gas. Also, tour the lab to observe extractions of fungal metabolites within separatory funnels, special chromatographic instruments to isolate compounds

<b>Molecular Reaction Dynamics Research Lab</b>	<b>239 Sullivan</b>	<b>Dr. Liam Duffy</b>	<b>Chemistry and Biochemistry</b>	<b>Tour our lab and learn about our efforts towards developing a first-of-its-kind analytical instrument we're calling a Mass Starkometer.</b>
<b>Chekan Biochemistry Research Lab</b>	<b>474 Sullivan</b>	<b>Michael Pasquale</b>	<b>Chemistry and Biochemistry</b>	<b>Learn how scientists answer questions about how natural products are made using various techniques and instrumentation!</b>
<b>Plant Biotechnology and Molecular Biology</b>	<b>363 Sullivan</b>	<b>Dr. Ayalew Ligaba-Osena</b>	<b>Biology</b>	<b>Tour the plant biotechnology lab to observe genetically modified plants and glowing plant tissues under microscope!</b>
<b>Mass Spectrometry Facility</b>	<b>346 Sullivan</b>	<b>Dr. Warren Vidar</b>	<b>Chemistry and Biochemistry</b>	<b>Tour the Mass Spectrometry Facility and observe how mass spectrometers are used to detect and identify molecules that are too small to see!</b>