Biological Sciences researchers have shown for the first time that these salamanders inhabiting the southern Appalachian Mountains use temperature rather than humidity as the best cue to anticipate changes in their environment. Significantly, the researchers observed that these animals can acclimate.

A glowing "TIGER mouse" helps understand brain injuries, infections and diseases

Biological Sciences' associate professor David Feliciano and his lab devised a way to track tiny message-carriers in the brain that could prove useful in diagnosing and treating injuries, infections and diseases. They use a glowing mouse – appropriately dubbed the "TIGER mouse" – to trace the extracellular vesicles.

Salamanders actually harness their unique ability to regenerate limbs to rapidly minimize the impact of hot temperatures.

Microbe diversity key to healthy coastal ecosystems

For millions of years, symbiotic bacteria have lived inside the gill cells of Lucinidae clams found in the estuaries off the coast of the Carolinas. Drs. Mike Sears and Eric Riddell are examining whether these bacteria can play a crucial role in the clam's survival while also contributing to the overall health of the ecosystem. Microbiologist Barbara Campbell recently published a paper indicating that the bacteria are more taxonomically diverse than previously thought.

Students explore careers and network with alumni at 2019 Tigers on Call event

Students explore careers and network with alumni at 2019 Tigers on Call event.

An aspiring physician, Biological Sciences sophomore Aimey Jimm knows how important the MCAT exam will be someday for getting into medical school. What she didn't realize until recently was that your pre-medical career starts almost immediately after you graduate from high school.

Sustainability and climate change puts students in the spotlight

Students have long been committed to using research as a tool for exploring solutions to environmental problems. Dr. Sarah Holmberg Feliciano, the new associate professor in Biological Sciences, is harnessing the potential of her students to launch sustainability projects that will help our world and future generations.

Note from the Chair

Greetings to all our alumni and friends! I'm thrilled to have been selected as Chair of Biological Sciences after a national search this spring. The past 14 years have been such an exciting time for the Department of Biological Sciences as we continue to attract top students and provide exceptional research and teaching opportunities for our faculty and students. I'm excited to build upon that momentum in my new role.

I've been at Clemson, and particularly this past year, after a national search this spring. The past 14 years have been such an exciting time for the Department of Biological Sciences as we continue to attract top students and provide exceptional research and teaching opportunities for our faculty and students. I'm excited to build upon that momentum in my new role.

I'm thrilled with the passion and enthusiasm I've seen in our department. I'm proud of the hard work and dedication of our faculty, staff, and students who are always striving to reach new heights in research and teaching. I'm also grateful for the support and encouragement I've received from our alumni, friends, and donors.

I look forward to working with all of you to continue to strengthen our partnerships, offer international experiences, provide meaningful research experiences, and engage the community. I'm confident that together we can elevate our prominence in biological sciences and make a positive impact on society.

Thank you for your support and for yourcontinued leadership in the Department of Biological Sciences.