



SCIENCE

LOCALLY RELEVANT GLOBALLY IMPACTFUL

Hope your 2019 is off to a fantastic start!

As I basked in the Clemson spirit in Santa Clara witnessing our Clemson Tigers win the national championship, I heard Coach Swinney say in his interview, “We were not chasing the national championship, we were focused on being the best we could be every day.” Chasing excellence yielded perfection for Clemson Football this year.

As we relentlessly pursue excellence in science, we may not have national championships, but we will have a tremendous positive impact as we tackle tomorrow’s greatest scientific challenges and prepare you – the next generation of scientists.

As you set your 2019 goals, I offer you this for your consideration: “I will be the absolute best I can be – every day – in the classroom, in the field, in the lab, in my life.” As your professors, advisors, family, and peers push you to generate new ideas, to focus and work harder, and to be resilient in your pursuit of excellence, please remember that image of Coach Swinney and the Tigers, arm-in-arm, as they took the field and know that all of us (faculty, staff, students, family, and friends) are ready to lock arms with you and support each other.

Have the best Spring Semester!

Go Tigers!

CYNTHIA Y. YOUNG
FOUNDING DEAN, COLLEGE OF SCIENCE





After the rousing victory, Clemson quarterback Trevor Lawrence holds the national championship trophy alongside teammates and coach Dabo Swinney (far right). Image credit: Clemson University

Perfect in every way

En route to their second national championship in three years, the Clemson Tigers became the first team in the modern era to go 15-0, anointing the 2018-2019 squad as the "greatest college football team of all time." The Tigers crushed the vaunted Alabama Crimson Tide 44-16 on Jan. 7 in Santa Clara, California. True-freshman quarterback Trevor Lawrence led the charge, playing with a calm and maturity well beyond his years. The following Saturday, tens of thousands attended a championship parade and celebration in downtown Clemson and at the stadium. The College of Science joins the Clemson University family in congratulating coach Dabo Swinney and his ultra-talented team of coaches and players. Up next: three out of four?

➔ [PERFECT SEASON](#)

➔ [CHAMPIONSHIP PARADE](#)



Ten faculty will present their research at the four-hour workshop at Watt Auditorium.

Workshop to focus on the rising field of Data Science

Learn from Clemson researchers how the tools of data science are being used to solve problems and impact the world around us. Topics will include statistics, algorithms, analytics, optimization and machine learning. Faculty, staff and students are strongly encouraged to attend.

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New lecture series promotes professional development to SCIENCE students

The College of Science is piloting a new seminar series in spring 2019 intended to equip SCIENCE undergraduate and graduate students with the professional development skills they will need to find the enrichment opportunities they want across the University. Dubbed Science**PREP** – “Promoting Research, Engagement and Professionalism” – the seminar series will run on Mondays from 5:30-6:30 p.m. in the Watt Center, room 106. Lectures are designed for students, but are also open to faculty and staff.

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The Mojave rattlesnakes that live in the deserts of southwestern United States and central Mexico are packed with lethal venom, though they rarely strike unless provoked. Image courtesy of Travis Fisher

Clemson researchers work with citizen-scientists to better understand diversity of rattlesnake venom

The discovery that Mojave Rattlesnakes have multiple venom types that are more widespread than previously believed required a large research collaboration between principal investigators, students and almost 100 citizen-scientists in five laboratories across the United States and Mexico. The research was published in [Scientific Reports](#).

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Image credit: Clemson University

Scholarship and fellowship recipients

Some of you benefit from a scholarship or fellowship established by a gift to the University. If you are one of these recipients for the 2018-19 academic year, you should have received an email requesting that you complete a Student Profile and a handwritten Thank You Note. Please check your email and complete the Student Profile on or before Jan. 31. It is important that we build on our culture of philanthropy at Clemson, and your help in thanking our donors is critical.

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