Barrangou Wins National Academy of Sciences Prize in Food and Agriculture Sciences
Rodolphe Barrangou, Todd R. Klaenhammer Distinguished Scholar in Probiotics Research, University Scholar and associate professor in the Department of Food, Bioprocessing and Nutrition Sciences, will receive the 2018 National Academy of Sciences Prize in Food and Agriculture Sciences for his discovery of genetic mechanisms and proteins driving CRISPR-Cas systems. The award recognizes research by mid-career scientists at U.S. institutions who made extraordinary contributions to agriculture or to the understanding of the biology of a species fundamentally important to agriculture or food production. Barrangou’s research has worldwide applications in food and agriculture, including virus resistance and potential for translational genome editing in other microbes, crops and livestock.

Thomas Honored as American Association for the Advancement of Science Fellow
Dr. John Thomas, the John S. Risley Distinguished Professor in the Department of Physics, was inducted as a Fellow of the American Association for the Advancement of Science (AAAS), one of the nation’s most prestigious scientific honors. Each year AAAS, the world’s largest scientific society and publisher of the journal Science, elects members who have shown “scientifically or socially distinguished efforts to advance science or its applications.” Thomas is honored by AAAS for groundbreaking contributions to the study of ultra-cold atomic Fermi gases, in particular measurements of the equation of state and of transport properties.

Bitzer and Ditto Named New NAI Fellows
Distinguished University Research Professor of Computer Science Donald L. Bitzer and Professor of Physics William Ditto were named Fellows of the National Academy of Inventors (NAI). Bitzer and Ditto bring the total number of NC State NAI Fellows to nine. They were nominated for outstanding contributions to innovation in areas of patents and licensing, innovative discovery and technology, significant impact on society and enhancement of innovation.

Felton Awarded Marshall Scholarship
Kobi Felton, a senior majoring in chemical engineering at NC State, has been awarded the prestigious 2018 Marshall Scholarship. Felton is the third NC State student to receive the scholarship, which was created in 1953 by the British Parliament in honor of American soldier and statesman George C. Marshall to give top American students the opportunity to earn graduate degrees in the United Kingdom.

Caldwell Fellows Celebrates 50th Anniversary
The Caldwell Fellows at NC State celebrates its 50th anniversary this year. Named after former Chancellor John T. Caldwell, the Caldwell Fellows offers high-achieving students the opportunity to develop their leadership skills, engage in service opportunities, and help prepare them to “change the world.”
NC State Earns Top Marks

- Kiplinger’s Personal Finance ranked NC State in the top 10 among public schools for best college values for in-state (#9) and out-of-state students (#7).
- Information Technology and Innovation Foundation ranked NC State #12 overall in industry-funded research in the U.S. and #5 among public universities, ranking the state of North Carolina #1.
- The Milken Institute ranked Raleigh the #2 performing large metro area in the nation, listing NC State’s leadership in research, industry partnerships, and workforce development as key drivers of the city’s flourishing economy.
- NC State’s Entrepreneurship Clinic was named “Outstanding Emerging Entrepreneurship Program” by the U.S. Association for Small Business and Entrepreneurship.
- U.S. News & World Report rated Engineering Online, NC State’s online graduate degree program, #9 in the nation for 2017.
- The American Society for Engineering Education ranked NC State’s Department of Computer Science #1 in the nation in number of female tenure-track/tenured faculty.

Research Highlights

NC State and VF Corporation announced a strategic partnership to support student development at NC State and advance apparel and textiles innovation within VF. The collaboration will offer students in the College of Textiles and the Poole College of Management opportunities for innovative research and real-world experience through internships, student projects and competitions.

Assistant Professor of Mathematics Dávid Papp is working on an algorithm to personalize radiation treatments for cancer patients. Papp’s “spatiotemporal fractionation” approach would reduce radiation dosage to healthy tissue while maintaining effectiveness against the tumor. Papp completed a proof-of-concept study on live tumor samples, the results of which were recently published in *Physics in Medicine and Biology*.

Alumni Gift Helps Finish Belltower

Through their generosity, NC State alumni Bill and Frances Henry will enable the university to complete the installation of 54 bells in the iconic Memorial Belltower. The three-year project will also install a carillon and interior stairs that were part of the tower’s original design when it was conceived in 1921. It will also fund some renovation, structural repairs and stabilization, and update the tower’s plaza, which will be called Henry Square.

Athletics Attains New Heights

NC State recently completed a historic Fall, where -- for the first time in program history -- all six teams reached their respective postseasons. NC State and Stanford were the only programs in the nation to reach the postseason in football, women’s volleyball, men’s and women’s soccer, and men’s and women’s cross country. NC State also reached a program-record 7th place finish in the final Fall standings of the Learfield Director’s Cup, making it the only ACC school to finish in the top 10. Four of the six programs ranked in the Top 25 of their respective final polls, including a #23 finish by Wolfpack Football, which finished ranked for the first time since 2010. NC State student-athletes continue to excel academically, registering a program record 85% in the Graduation Success Rate metric.