

FOCUS ON CU FACULTY



UNIVERSITY OF COLORADO BOULDER



[When the lab rat is a snake](#)

The New York Times

(May 17, 2017) – [Leslie Leinwand](#), chief scientific officer at the BioFrontiers Institute, knew that in humans, an enlarged heart can be a sign of good health — athletes get bigger, stronger hearts from working out — but it can also signal that the organ is diseased. Leinwand, who studies cardiac disease at CU Boulder, is researching the hearts of pythons to see if they shed light on treating people with diabetes.



[Juno spacecraft reveals spectacular cyclones at Jupiter's poles](#)

NPR

(May 25, 2017) -- The Juno team discussed the latest data to come back from the spacecraft, including unexpected giant cyclones.

“We're all jumping up and down with huge excitement,” said [Fran Bagenal](#), professor of astrophysical and planetary sciences at CU Boulder. “The results are really quite fabulous. And they're fabulous because they're not what we expected.”

Also: [Martian sky went metal after meteor strikes](#), Space.com, May 22



[Will carbon capture and storage ever work?](#)

Scientific American

(May 25, 2017) -- Many activists are worried that carbon dioxide removal technologies will detract from climate change mitigation efforts, that they will cost too much or that nations will see them as a license to keep polluting.

“The number one outcome we wanted to make clear is there is no

substitute for mitigation and adaptation,” said [Waleed Abdalati](#), professor at CU Boulder, at a meeting of the National Academies in Washington, D.C.



[Do charter schools serve special needs kids? The jury is out](#)

U.S. News and World Report

(May 22, 2017) --[Kevin Welner](#), a professor of education at CU Boulder, says charter schools cherry-pick students because they need to demonstrate academic success to stay alive and get funding. In a two-year study, Welner identified 14 different ways that charter schools can shape enrollment. They range from not advertising the school in high-need neighborhoods to setting conditions for enrollment.



[Racing to find answers in the ice](#)

The New York Times

(May 18, 2017) -- Scientists need to know a lot more about the ground beneath the Ross Ice Shelf and the rest of Antarctica. Is it slick mud that may allow the ice to flow much faster, or hard rock that may slow down the ice even in a warmer world?

“What we need to know is the details of what is occurring where the ice, ocean and land all come together,” said [Ted A. Scambos](#), a CU Boulder scientist who is helping to plan the joint research effort.



[CU researcher finds mindfulness techniques, lay counseling can help postpartum depression](#)

Daily Camera

(May 12, 2017) -- Roughly 20 percent of the 4 million American women who give birth each year will be affected by a maternal mental health disorder, yet only about 15 percent of those women will get the help and treatment they need. [Sona Dimidjian](#), associate professor of psychology at CU Boulder, is leading efforts to use scientifically proven meditation and mindfulness techniques to both prevent and treat depression in pregnant and postpartum women.



[Drones could increase tornado warnings by 45 minutes](#)

CW33

(May 8, 2017) -- A big part of the AUVSI Xponential conference in Dallas is diving deep into everything unmanned vehicles can do. One topic discussed is weather forecasting.

"We primarily focused on the work we're doing with the National Severe Storms Lab and the National Weather Service and NOAA to collect severe weather data," said [Brian Argrow](#), research and engineering professor at CU Boulder. And drones can go where others can't to get that vital data.



[Oil and gas industry pipeline problems are well known. Why did it take a fatal explosion to spur action?](#)

The Denver Post

(May 7, 2017) -- [Joseph Ryan](#), a CU Boulder environmental engineer whose studies have identified oil and gas pipelines as susceptible to major spills, said the state needs to reconsider its current approach. State officials should consider requiring better public mapping of flowlines and also restricting how closely flowlines can be to housing, Ryan said.

UNIVERSITY OF COLORADO COLORADO SPRINGS



[Program brings together students and playwrights on topic of violence](#)

The Gazette

(May 17, 2017) -- Five high school students and their adult playwright collaborators eagerly took the stage of the Mitchell High School auditorium to read from their works, called flash scenes.

Several weeks before, the student and adult writers had been given the theme of "Viewpoints on Violence" and the task to create five pages of dialogue together. The theme was selected as a companion to UCCS Vice Chancellor [Kee Warner](#)'s Moving Forward through Violent Times initiative.



[Lyda Hill is latest recipient of UCCS entrepreneurship award](#)

The Gazette

(May 17, 2017) -- [Lyda Hill](#) has mostly made her mark in Colorado Springs through philanthropy, but the innovative way she has done so will be highlighted when she receives the Lifetime Entrepreneurship Award from the UCCS College of Business.



[El Paso County job growth slows in fourth quarter](#)

The Gazette

(May 24, 2017) -- [Tatiana Bailey](#), director of the UCCS Economic Forum, attributed the slowing growth to a shrinking supply of labor as the county's unemployment rate has declined in recent months to the lowest levels recorded by the U.S. Bureau of Labor Statistics since 1990.



[Colorado Springs database startup wins Get in the Ring competition](#)

The Gazette

(May 4, 2017) -- Tejon Technologies Inc., a Colorado Springs startup that helps business owners and managers more easily create databases, won the first Get in the Ring competition at UCCS and will travel to Singapore to take part in the global contest.

[Michael Larson](#), a UCCS professor who organized the event hosted by the school's El Pomar Institute for Innovation and Commercialization, called the quality of the pitches outstanding. "Top-to-bottom, we had good candidates."



[UCCS awarded \\$1.2 million scholarship grant to support STEM education](#)

Fox 21

(May 30, 2017) -- Undergraduate students and professionals working in science, technology, engineering or mathematics who want to teach in high-need school districts can apply to receive a scholarship of up to \$15,000 at UCCS. This comes after UCCS recently received a \$1.2 million grant from the National Science Foundation to develop

and implement a scholarship program in honor of Robert Noyce, a co-founder of Intel Corporation.

UNIVERSITY OF COLORADO DENVER



[Creating their own path](#)

Highlands Ranch Herald

(May 9, 2017) -- [Madhavan Parthasarathy](#), director of the Jake Jabs Center for Entrepreneurship at CU Denver, has noticed a shift of millennial interest in entrepreneurship, saying that it is growing tremendously.

“An entrepreneur is someone who has a certain level of passion and a mindset that is curious enough to learn new things, be willing and open to different types of jobs and functions and able to take risks,” he said.



[Denver’s hunger for housing is squeezing mobile home parks](#)

Colorado Public Radio

(May 23, 2017) -- Like most people who live in mobile or modular homes, the residents of Denver Meadows tend to own their physical shelters but not the land underneath. [Esther Sullivan](#), an assistant professor of sociology at CU Denver who has studied mobile home parks, said the split-ownership model amounts to an affordable housing paradox.



[RMB internationalization: Are we there yet?](#)

Forbes

(May 11, 2017) -- [Jian Yang](#), founding director of the Center for China Financial Research at CU Denver, says, “The progress of RMB (Chinese currency) as an international currency in trade and investment would be directly affected by the success of Chinese government’s ‘One Belt, One Road’ initiative, which provides excellent outbound FDI (foreign direct investment) opportunities.” He adds that it would make the RMB a more acceptable means of payment in many emerging markets and notes that this trend is already on the rise.



[Crude emails sparked investigation that led to U.S. Marshals transfer](#)

9 News

(May 9, 2017) -- Details are surfacing about what led up to the immediate transfer of three top supervisors from Denver's U.S. Marshals Service office to the department's headquarters in Washington D.C.

"It's common for law enforcement to engage in gallows humor," said [Lonnie Schaible](#), assistant professor of criminal justice at CU Denver. "What I see in this goes beyond gallows humor."



[Galvanize, CU Denver announce new partnership targeting tech-savvy students](#)

Denver Business Journal

(May 25, 2017) -- Galvanize is bringing its coding curriculum to students at CU Denver through a new partnership. The Denver-based data science and computer school and university have launched the Pathways Program, which will allow CU Denver students and eligible high school students to earn academic college credit at the university for completing Galvanize's Web Development Immersive program.

UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS



[The seven injuries doctors see most on summer weekend](#)

Huffington Post

(May 25, 2017) -- Warm weather and longer days will bring many Americans outdoors for cookouts, pool parties and more. But long weekends also lead to more trips to urgent care or even the emergency room, according to experts.

The risk for issues such as drowning and sports injuries go up in the hotter seasons, said [Christopher M. McStay](#), chief of clinical operations and associate professor at the CU School of Medicine. And they're usually all preventable.



[Verify: How dangerous is it to touch the drug fentanyl?](#)

9 News

(May 15, 2017) -- Fentanyl is pain killer that is about 100 times more potent than morphine, explained [Christopher Hoyt](#), assistant professor of emergency medicine. It's often used as a pain reliever during surgery or for terminally ill patients.

"Even in the hospital, we monitor people very closely when we give them this drug because taking too much of it can make someone stop breathing," Hoyt said.



[Trump budget impact: It's a prescription for crippling medical research, critics say](#)

Denver Business Journal

(May 24, 2017) -- [John Reilly](#), dean of the CU School of Medicine, is so concerned about the proposed NIH change that he was in Washington, D.C., personally urging Colorado's two senators and a pair of Colorado congressional representatives to oppose it.

"It's a huge shift that would cripple research at 90 percent of the universities across the United States," Reilly said. "Research laboratories are expensive. You can't do the kind of research that has made the U.S. a leader without the facilities."



[Four doctor-approved strategies to live longer](#)

Dispatch-Argus

(May 29, 2017) -- While starting at a younger age obviously has greater benefit, it's never too late to make exercise a regular habit. [Daniel Matlock](#), a geriatrician and associate professor of medicine at the CU School of Medicine, says to do the activity you can do, and encourages many of his patients with a fear of falling to consider a cane or a walker.



[Study casts doubt on need for statins in the 'healthy old'](#)

HealthDay

(May 22, 2017) -- Experts from the American Heart Association and Mount Sinai Hospital in New York City urged doctors and patients to take these findings with a grain of salt.

"The only merit to the study is that it raises questions that haven't been adequately answered," said [Robert Eckel](#), an AHA spokesman and chair of atherosclerosis at the CU School of Medicine. "This is not the kind of evidence that should influence guidelines about statin therapy in adults 65 and older."



[Too little focus on lifestyle, preventing symptoms in peripheral artery disease](#)

KFGO

(May 10, 2017) -- Evidence of a recent study found that doctors need to do a better job of educating patients with peripheral artery disease about medication and lifestyle changes that can improve their mobility and quality of life, said [William Hiatt](#), researcher at the CU School of Medicine.

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