

Presented by:

**University Communications
February 2015 thru May 2015**

The excerpts presented here are select examples of local, national and international coverage due to efforts and contributions by the Division of Governmental Relations and University Communications, and the Academic Health Center Office of Public Relations.



Gregory J. Vehr

Vice President for Governmental Relations & University Communications



**Chemical in BPA-Free Products
Linked to Irregular Heartbeats**

See clip on page 4

Here's Why Concussions Plummeted Among UC Football Players

April 21, 2015 — By Barrett Brunzman

The number of concussions suffered by **University of Cincinnati** football players has dropped by more than 80 percent since an innovative peripheral-vision training program started five years ago. The program, which enhances an athlete's ability to discern an opponent who's on a collision course, trains athletes to process information faster by using equipment designed to improve visual acuity and hand-eye coordination, said Joe Clark, a UC professor of neurology.



86-Year-Old Building Will Become Research Accelerator Facility at University of Cincinnati

Feb. 27, 2015 — By Mike Kennedy

The **University of Cincinnati** Board of Trustees has agreed to spend \$16 million to convert the Campus Services Building—originally a 1929 Sears, Roebuck and Co. department store—to a research accelerator facility. Plans call for the building to become a center of entrepreneurial innovation. The renovated facility will provide space for startup companies that incorporate university-developed technologies. The first occupants could be in the building within 18 months.



HEALTHCANAL

Study Links Secondhand Smoke Exposure to Motor Impairment in Children

May 12, 2015

Secondhand tobacco smoke exposure was significantly associated with motor impairment in a study of children living in the Appalachian region of Ohio and West Virginia, according to new research from the **University of Cincinnati**.

THE CINCINNATI ENQUIRER

Heart Transplant Program Restarting at UC

April 7, 2015 — By Anne Saker

Since 2008, heart transplants have been absent from the medical-services menu in Greater Cincinnati. But transplants will soon be available again locally as part of a broadened heart-medicine strategy launched at the **University of Cincinnati** Medical Center, its medical school and the UC Health system. At least seven new doctors have been recruited and more are coming to work at the Heart, Lung and Vascular Institute, which opened in 2013 with Dr. Richard Becker as director. He said, "This is about providing advanced therapies to the community and the region."

THE HUFFINGTON POST

Listen to the Creepy Sounds Spiders Make When They Want Sex

May 26, 2015 — By Ed Mazza

New research finds that the "purring" wolf spider can send out an auditory call that's practically a love song to any nearby female spider. The sounds are created by males causing leaves to vibrate. Study co-author George Uetz of the **University of Cincinnati** said, "The sound is at a level that's audible by human hearing at about a meter (roughly three feet) away."



The Washington Post

Harvard Formally Bans Sexual Relationships Between Professors and Undergrads

Feb. 5, 2015 — By Susan Svrluga

Billie Dziech, a professor at the **University of Cincinnati** who has studied and written about relationships between professors and students, said policies about such relationships are evolving. "Originally, there were no policies," she said. "We've come a long way from that time."



Early Studies See No Heart Risk from Testosterone Therapy

March 4, 2015 — By Dennis Thompson

A study of Veterans Administration patients revealed a 30 percent increased risk in heart attacks and strokes among men taking testosterone therapy, said Dr. Richard Becker, chief of cardiovascular health and disease at the **University of Cincinnati** College of Medicine. "The risk was increased whether someone was known to have heart problems or not," said Becker, who's also director of the **University of Cincinnati** Heart, Lung and Vascular Institute.



Can Money Compensate the Wrongfully Convicted?

March 4, 2015 — By Ann Brown

Imagine spending nearly four decades in prison for a crime you didn't commit. That happened to Ricky Jackson, who was wrongfully convicted of murder. He finally won his release in 2014 when a witness said he lied as a boy. The Ohio Innocence Project and the **University of Cincinnati** had worked to free Jackson. "They came through like a knight in shining armor," Jackson, 57, said of the project at UC's College of Law.

MEDPAGE TODAY*

Short Course May Defeat Hep C in HIV Patients

May 22, 2015 — By Ed Susman

An eight-week course of combination anti-hepatitis C virus direct acting agents appears to allow most patients coinfecting with HIV to clear the hepatitis infection, researchers reported. Kenneth Sherman, M.D., professor of medicine at the **University of Cincinnati** College of Medicine, reported that 38 of 50 patients naïve to previous direct acting hepatitis C antivirals were able to achieve a sustained virologic response at 12 weeks after finishing an 8 week course of therapy.



Are There Too Many Breweries in Cincinnati?

April 11, 2015 — By Jesse Folk

When asked if local beer making could go flat, **University of Cincinnati** Professor Chuck Matthews said, "The short answer is yes, but it won't be immediate." Matthews continued, "We'll probably see continued growth in the brewing segment here in the Greater Cincinnati [and] Northern Kentucky area but will probably see some falling off and consolidation over the next five years." The professor emphasized that entrepreneurs looking to cash in on the craft beer craze need to have a strong business plan and backing, just as much as they need a good product.



Lemur Teeth Help Take a Bite Out of Madagascar's Mysteries

March 25, 2015

New research by **University of Cincinnati** quaternary paleoecologist Brooke Crowley, assistant professor of geology and anthropology, shows that although many lemurs typically stay put for most of their lives, their mobility may have decreased in recent years, possibly due to the deforestation of Madagascar by its human inhabitants. By matching modern strontium data from Madagascar's geologically diverse region with the strontium values she measures in the teeth and bones of ancient lemurs and other subfossil mammals she can trace their relative mobility during the past 10,000 years.



Researchers Turn Food Waste into Biodiesel

April 21, 2015 — By John Davis

Waste not, want not. That's the attitude of **University of Cincinnati** researchers who are turning food waste into biodiesel.



Polymer Blend Improves Solar Cell Efficiency by 200 Percent

March 4, 2015 — By Paul Buckley

A **University of Cincinnati** research partnership has developed a blend of polymers which could make solar cells stronger, lighter, more flexible and less expensive when compared with the current silicon or germanium technology on the market. The researchers are claiming a three-fold increase in the efficiency of the cell technology compared with traditional solutions.



Athletes Need to Guard Against Skin Woes

March 24, 2015 — By Robert Preidt

The five skin conditions most often seen in athletes are blisters, turf burn, athlete's foot, sun exposure and a type of acne called acne mechanica. "Athletes who are aware of these five common issues can take action to prevent the vast majority of dermatologic problems they may encounter," said Dr. Brian Adams, professor and chair of dermatology at the **University of Cincinnati** College of Medicine.



Postal Service of 2020s May Make Deliveries via Drones

April 22, 2015 — By Elliot Jager

The drone proposal comes from the Workhorse Group, a division of AMP Trucks, and has been developed in collaboration with the **University of Cincinnati**. Engineering professor Kelly Cohen said the service would have to be implemented in phases: "The limitations are more on the side of integration into the air space and that concerns security and overall safety. How do we control 100,000 drones in the air flying at once?"

Getting Enough Sleep Really Isn't Optional

March 4, 2015 — By Cedric Ricks

The typical adult needs 7 to 7½ hours of sleep each night, while for teenagers and young adults under 25, about 9 to 10 hours of sleep per night is recommended, says Ann Romaker, MD, director of the **University of Cincinnati** Medical Center Sleep Medicine Center.

“There are sleep-related genes in every tissue of the body, genes that turn on only during sleep and genes that turn on only when you are awake,” says Romaker, an associate professor in the Division of Pulmonary, Critical Care and Sleep Medicine at the **University of Cincinnati** College of Medicine. “The genes in the heart and lung that turn on during sleep are genes that are needed for repair. The genes that turn on during the day have more to do with power and endurance. If you don't get enough sleep your heart and lungs don't repair like they are supposed to.”



A Name in History: Clara Bauer Dedicated to Music by Teaching Others to Appreciate Its Beauty and Joy

March 9, 2015 — By Brent Coleman

Kathleen Battle. Faith Prince. Al Hirt. Dorian Harewood. These well-known names in the entertainment industry have one name to thank for the education they received at the **University of Cincinnati's** College-Conservatory of Music – Clara Baur. Baur, though small, single and far from rich, started what we know today as CCM 147 years ago. The Queen City's first school solely dedicated to teaching classical music was founded with no one's money but her own.

THE CINCINNATI ENQUIRER Programs Offer College Experience to Students with Intellectual Disabilities

Feb. 11, 2015 — By Jeff Wallner

At the **University of Cincinnati**, the Transition and Access Program (TAP), a four-year program for students with mild to moderate intellectual disabilities, offers a non-degree option for students who want to actively engage in the college experience. TAP includes participating in regular college courses, independent living on campus, and the opportunity for professional internships.

TAP requires the students to complete a paid internship on campus each spring through the duration of the four-year program, in keeping with UC's vision to create an authentic, inclusive living and learning experience that builds career skills, academic achievement, personal responsibility and interpersonal competence, resulting in a promising future for young adults with intellectual, cognitive and learning disabilities.

YAHOO!

Health Heroes: Comic Book and Healthcare Professionals Join Forces

March 3, 2015

There's no way to sugarcoat the facts. Many young children are being diagnosed with diseases such as Type II Diabetes and heart conditions once reserved for adults. Empowering youth to foster healthy habits and take care of their well being is no easy task, but studies from the **University of Cincinnati** have uncovered an unlikely yet life-saving education medium — comic books. UC's Eric Meredith had the great idea for 'Health Heroes' — a series of comic books and an associated social network.

THE TOLEDO BLADE

Ohio Tax Incentives for Film, TV Shows Total Nearly \$44 Million

March 8, 2015

Studies have shown film production projects often return funds to Ohio's economy by providing more business to local establishments and creating jobs. A **University of Cincinnati** study showed that three projects filmed in the area spent \$46 million on jobs, production and indirect spending for the films.



Chemical in BPA-Free Products Linked to Irregular Heartbeats

Feb. 25, 2015 — By Brian Clark Howard

Many consumers avoid products that contain bisphenol-A (BPA) because the estrogen-imitating chemical has been linked to an array of health effects in people and animals. But new research suggests that an ingredient that has replaced BPA in many items may have a similar effect on the heart. “Our research suggests that BPS and potentially other BPA substitutes aren't necessarily free of health problems,” said Hong-Sheng Wang, a professor of pharmacology at the **University of Cincinnati** College of Medicine.



THE HUFFINGTON POST

Three of the Most Difficult Situations Alzheimer's Caregivers May Ever Face

March 2, 2015 — *By Marie Marley*

University of Cincinnati Dr. Doug Smucker, who specializes in end-of-life care, said, "The real question for the caregiver is how to help the patient have the highest possible quality of life in the time that is remaining."

INTERNATIONAL BUSINESS TIMES

First-Ever Photo of Light as a Wave and Particle Described as Breakthrough

March 2, 2015 — *By Charles Poladian*

Researchers from the **University of Cincinnati** are manipulating light and using nanowires that could lead to faster computers or better TVs, which use light instead of electricity, and that are cheaper and use less power.

Forbes

Stand Up! It Improves Your Health, Energy, Mood and Productivity

April 9, 2015 — *By Rodger Dean Duncan*

A study by the **University of Cincinnati** reported significant decreases in shoulder and back pain when participants varied their postures. Even more important, periodic standing reduces the risk of a host of problems including obesity, heart disease, diabetes, metabolic disorder, and even some cancers. When we sit too long, everything in our bodies slows down. It's harder to clear fats from blood, to process insulin, to keep muscles active and spines flexible, leading to soreness and possible organ damage. Even our mental functions slow because we're not moving enough to pump much blood to the brain.

QUARTZ

The Apple Watch (and Other Wearables) Will Make Us Healthier

By Zhenyu Li, March 9, 2015

Another promising way to sense what's happening inside the body might be to measure chemicals from sweat. Researchers from the **University of Cincinnati** and the University of California, San Diego, are working on wearable sensors that can measure electrolytes, metabolites and other molecules from sweat.

abc NEWS

Judge Orders New Trial for Three Men Convicted of '95 Slaying

March 26, 2015 — *By Mark Gillispie*

Attorney Brian Howe of the **University of Cincinnati**-based Ohio Innocence Project said the group has been working on the men's case since 2007. The Innocence Project has never alleged misconduct by prosecutors, Howe said, but added that it would have been a different trial had defense attorneys been given information known today.

THE NEW INDIAN EXPRESS

Know How People Avoid Bumping into One Another

April 17, 2015

Ever wondered how people avoid bumping into each other while doing coordinated tasks such as dancing or Kung Fu fighting together? New research reveals that people fall into a complementary pattern to avoid a collision. "We have developed a dynamic model that captures the behavioral dynamics as well as provides a theoretical explanation of why certain behavior emerges between people as they learn to avoid each other while performing certain tasks," said lead researcher Michael Richardson, associate professor at the **University of Cincinnati**.

POPULAR SCIENCE

The Dream of Delivery Drones Is Alive (and On a Truck)

Feb. 18, 2015 — *By Erik Sofge*

Due to collaboration with researchers at the **University of Cincinnati**, CEO Steve Burns is hopeful that Amp can secure exemptions from the FAA. Horsefly has been flown at the same indoor football field where other drones have been tested, and Burns is confident that they've solved the admittedly daunting problem of carrying packages of varying weights.



nature

International weekly journal of science

Exotic Atom Struggles to Find Its Place in the Periodic Table

April 8, 2015 — *By Davide Castelvecchi*

William Jensen, a chemist at the **University of Cincinnati**, says that the latest study shows that most actinides have first ionization energies that are higher than those of the lanthanides above them in the periodic table. Lawrencium bucks that trend, making it more similar to d-group elements.



University of Cincinnati Awards Record Number of Degrees

May 1, 2015

A record number of degrees from the **University of Cincinnati** will be awarded at the school's spring commencement ceremonies. The university says it will confer more than 6,400 degrees at ceremonies Friday and Saturday, breaking the school record of more than 6,300 degrees that was set last spring.



UC Researcher Helps Identify Link to Lung Cancer

Feb. 24, 2015 — *By Christine Charlson*

A recent study conducted in part by the **University of Cincinnati** has identified a gene associated with increased risk of lung cancer.



Meet the Silent But Dangerous Pollutant on Our Block

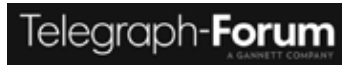
March 4, 2015 — *By Joan Koka*

"Lead is number one probably," says Dr. Aimin Chen, a professor at the **University of Cincinnati**, who studies the effects of environmental toxicants on women and children. "If you look at a single 27-inch TV, a cathode ray tube TV, it would have maybe 2kg of lead inside. That's a lot of lead." In addition to lead, cadmium, nickel, chromium, and mercury are other metals to pay attention to, he says.

THE CINCINNATI ENQUIRER UC Medical Students Celebrate Residency Placements

March 20, 2015 — *By Sydney Murray*

Cheers flooded the lecture room as more than 100 **University of Cincinnati** College of Medicine students learned their matches for residency training. Each student's match was put into a black box painted with white question marks. Students wore shirts that said "may the match be ever in your favor."



Tax Cut Could Add Jobs but Businesses Wary of Tax Hike

Feb. 9, 2015 — *By Chrissie Thompson*

"As taxes on income and labor are lower, you're more likely to hire someone but also not to let them go," said Michael Jones of the **University of Cincinnati's** Economics Center.



National Science Foundation
WHERE DISCOVERIES BEGIN

Ancient Maya Practiced Forest Conservation

March 5, 2015

National Science Foundation-funded researchers from the **University of Cincinnati**

found that the Maya practiced forest conservation early on. Not only did the Maya people practice forest management, but when they abandoned their forest conservation practices, it was to the detriment of the entire Maya culture.



Long-Term Sleep Loss May Impact Memory

Feb. 13, 2015 — *By Liz Bonis*

With so many of us busier than ever, can you even remember when the last time was you had a good night's sleep? If you can't, researchers at the **University of Cincinnati** Sleep Medicine Center have an important warning for you.



March 26, 2015

3D printed heart models

A team of doctors at Cincinnati Children's Hospital Medical Center are exploring new avenues to improve surgical preparations and patient care. The hospital recently partnered with the **University of Cincinnati's** College of Engineering and Applied Science (CEAS) to produce a 3D printed heart model of a patient with a rare, life-threatening heart condition. 3D printed anatomical models derived from patient scans enable doctors to "practice" surgery in advance and assess possible complications for delicate procedures, improving the outcome of operations.

FINANCIAL TIMES

Brands Must Adapt to an Aging World

May 27, 2015 — *By J. Walker Smith*

A consortium of Fortune 500 companies sponsors research at the **University of Cincinnati** in the U.S. to investigate and develop innovative product ideas for consumers over 50.

INTERNATIONAL BUSINESS TIMES

Valentine's Day 2015: Kentucky Woman Donates Kidney to Man Who Became Her Husband

Feb. 14, 2015 — By Vittorio Hernandez

Steve Woodle, division director of transplantation at the **University of Cincinnati's** College of Medicine, explained the rejection of a kidney by recipients is due to an antibody called Human Leukocyte Antigen. Woodle estimates that about 20 percent of all kidney transplant patients in the U.S. develop antibodies against the organs or tissues of other people, causing a longer wait for an organ that would match and drastically cutting the chances of survival.

SPACE DAILY

your portal to space

International Research Partnership Tricks the Light Fantastic

March 3, 2015

What if one day, your computer, TV or smart phone could process data with light waves instead of an electrical current, making those devices faster, cheaper and more sustainable through less heat and power consumption? That's just one possibility that could one day result from an international research collaboration that's exploring how to improve the performance of plasmonic devices. The research is led by Masoud Kaveh-Baghdadorani, a doctoral student in the **University of Cincinnati's** Department of Physics.

TECH TIMES

Common Spiders Serenade Potential Mates with Music, Study Says

May 24, 2015 — By Rhodi Lee

Humans are not the only being that makes use of music in courtship. Scientists have reported that spiders also create music to attract potential mates using leaves as a medium to create sound for serenading. That's according to Alexander Sweger and George Uetz, from the **University of Cincinnati**.



DAYTON BUSINESS JOURNAL

Two Ohio Law Schools Lauded for Graduates Finding Jobs

May 14, 2015

The **University of Cincinnati** is No. 82 on the list with a 63.2 percent job placement rate.

The Columbus Dispatch

Applications to Colleges Keep Rising

Feb. 15, 2015 — By Collin Binkley

Last year, the **University of Cincinnati** joined 19 other Ohio schools that accept the Common Application, but it still asks students to submit an extra essay and letter of recommendation. "We want to make the process efficient for students, but we also want students and parents to take the process seriously," said Thomas Canepa, associate vice president for admissions. "Do your research ahead of time to determine which institutions are potentially going to be a good fit. Don't use the application process as a way of filtering institutions."

THE PLAIN DEALER

University of Cincinnati Students May Receive Credit for Driving Older Adults

Feb. 25, 2015 — By Karen Farkas

University of Cincinnati students may receive credit for driving older adults in a pilot project that will provide transportation to the elderly. This semester, UC students who volunteer can take a one credit hour online elective course to learn more about the aging process. UC President Santa Ono said the project will connect generations. UC is the first university to partner with the transportation network.

JOURNAL-NEWS

College Graduates See Best Entry-Level Job Market Since Recession

May 14, 2015 — By Dave Larsen

Of those who received bachelor's degrees at the **University of Cincinnati** in April 2014, nearly 70 percent were employed or in graduate school six months after graduation, said M.B. Reilly, UC's director of communications. Their average starting salary was \$44,057. In addition, 94 percent of grads who reported accepting full-time employment accepted a position related to their field of study.

SCIENCE AND TECHNOLOGY RESEARCH NEWS

THE SCIENCE BEHIND TOMORROW'S TECHNOLOGY

UC Research Partnership Explores How to Best Harness Solar Power

March 2, 2015

A **University of Cincinnati** research partnership is reporting advances on how to one day make solar cells stronger, lighter, more flexible and less expensive when compared with the current silicon or germanium technology on the market.

Medical Xpress

medicalxpress.com

Obesity Research Finds Leptin Hormone Isn't the Overeating Culprit

May 15, 2015 — By Angela Koenig

For years, scientists have pointed to leptin resistance as a possible cause of obesity. Research led by the **University of Cincinnati**, however, found that leptin action isn't the culprit.

UC's Law School Names First Female Dean

March 4, 2015 — *By Andy Brownfield*

The **University of Cincinnati** College of Law is getting its first female dean. Jennifer Bard will serve as the College of Law's next dean, effective July 1. Bard is currently special assistant to the provost for academic engagement at Texas Tech University in Lubbock, Texas.



Exercising Your Memory: How to Boost Powers of Recall

Feb. 12, 2015 — *By Sadie Nicholas*

Studies at the **University of Cincinnati** have also shown that a daily glass of blueberry juice can help sharpen recall. According to a 12-week study of older adults with signs of dementia, those who drank blueberry juice showed a "significant improvement in learning and memory tests."

USA TODAY

A GANNETT COMPANY

University of Cincinnati Student Walks to Class for the First Time in Four Years

Feb. 15, 2015 — *By Dan Reimold*

University of Cincinnati student Sara Whitestone is walking to class this semester. For Whitestone, it is a minor medical miracle and a cause for celebration. Whitestone has myalgic encephalomyelitis. That meant she was in a wheelchair during most of her waking hours, carefully navigating UC's famously hilly and cobblestone-strewn campus. Now, by comparison, as she tells me, "I am walking to class for the first time in four years!"

"UC's Disability Services Office is the only way I've been able to stay enrolled and successful while extremely ill. President Santa Ono is an amazing mentor and friend. He continues to support me in many ways beyond the classroom and is a source of inspiration for my faith."



Domestic Violence Misconceptions Addressed Following Victim's Death

Feb. 26, 2015 — *By Courtis Fuller*

A study by the **University of Cincinnati** looked at domestic violence in Hamilton County. According to the study, between 1997 and 2006, 48 domestic violence victims died in Hamilton County. Ninety-four percent were women, and the average age was 36. Seventy-four percent were killed in their own homes, and 77 percent were trying to separate from their partner at the time of the crime. "There's a real common misconception in the community that if someone is being abused in a relationship the solution to that is they should just leave. The sad truth of the matter is more victims are killed leaving an abusive relationship than staying in one. That doesn't mean people shouldn't or couldn't leave," said UC researcher Bonnie Fisher.

MedCity News

Can Sweat Tests Be Better than Blood Tests (Thanks to Wearable Tech)?

Feb. 25, 2015 — *By Chris Seper*

Sweat can be as helpful as blood in checking on health. Doctors already use it for drug tests and insights on diseases like cystic fibrosis. But sweat has its limits — largely because there's only so much of it you can collect



at one time. Technology may have caught up with the power of sweat. A company created at the **University of Cincinnati** will take a serious run in the next few years at trying to supplant the blood test by using a mix of sensor and wearable technologies to sample sweat.



10 Nursing Master's Programs with the Highest Enrollment

April 7, 2015

A handful had student bodies that exceeded 1,000, including the **University of Cincinnati**, which had 1,572.

THE CINCINNATI ENQUIRER 'We Shall Overcome' Belongs to Cincinnati

Feb. 1, 2015 — *By Joel Beall*

Rarely do you see Cincinnati Louise Shropshire's name associated with one of the world's most celebrated hymns. Alarming, given that Shropshire wrote and composed the song. "Louise's contributions to civil rights are on par with (those of) Rosa Parks," says Eric Abercrombie, executive director of diversity and community relations at the **University of Cincinnati**. "We Shall Overcome, these three words changed society, and they came from Cincinnati."



University of Cincinnati's Nippert Stadium the best in College Football

Jan. 29, 2015 — *By Casey Weldon*

The **University of Cincinnati** had quite a run in this less-than-scientific polling contest. Nippert knocked off Notre Dame, Texas and Michigan — and their massive, 100,000-seat stadiums — in head-to-head matchups before toppling Penn State in the Final Four.



Air Pollution from Fracking May Be 'Health Hazard'

May 18, 2015

Scientists from Oregon State University and the **University of Cincinnati** found that hydraulic fracturing — a technique for releasing natural gas from below-ground rock formations — emits polycyclic aromatic hydrocarbons, some of which are linked with an increased risk of cancer and respiratory ailments.



Technology Tightens Focus on Who's Watching Women

Jan. 30, 2015

The research by Mary Jean Amon, a doctoral student in the **University of Cincinnati**'s psychology program, found that women were viewed more frequently and for longer periods of time — even when their photos were blended in groups of both genders — and that the women were viewed more often and for longer durations by both men and women. Amon says the findings emphasize how women can be evaluated in society and how that in turn can have negative impacts on their self-esteem and behavior.



Cold Packs on Cheeks, Hands and Feet May Help Combat Heat Stroke

April 10, 2015 — *By Lisa Rapaport*

Because the temperature-lowering effect was only about one degree after 30 minutes, though, the cold packs regardless of placement may not work fast enough help a heat stroke victim, said Dr. Edward Otten, a professor of emergency medicine at the **University of Cincinnati**. The new placement method for cold packs might be useful for less severe heat illness, and work well at rehab stations for firefighters or soldiers, or for cooling tents at marathons and other athletic events.



Region Ripe with Retail Development

Feb. 1, 2015 — *By Ed Richter*

Shaun Bond, a professor of real estate and director of the Real Estate Center at the Carl H. Lindner College of Business at the **University of Cincinnati**, also agreed the increased number of projects is a good sign of a growing economy. It also signals that investors are ready to move forward with projects as more financing is becoming available.



Inside Obama's Plan to Use Open Data to Curb Police Brutality

May 22, 2015 — *By Aviva Rutkin*

To address that problem, cities involved in the Police Data Initiative have promised to release statistics about hot-button topics like vehicle stops and officer-involved shootings. "People want to know and understand what's happening in their own communities. They actually want to see the data, to be able to analyze it in their own ways," says Robin Engel of the **University of Cincinnati**.



New Study Reveals Socioeconomic Changes in America's Neighborhoods Over Time

April 29, 2015

As the nation endured two brutal recessions and the housing bubble crisis in this century's first decade, emerging research indicates that the Northeast and western sections of the nation fared better than the Midwest and the South in terms of changing socioeconomic status. Overall, however, the average change across the nation was relatively positive, with growing numbers of Americans achieving college degrees and working professional jobs. That's according to Jeffrey Timberlake, a **University of Cincinnati** associate professor of sociology, and Alan Grigsby, a UC doctoral student.



The Way to Make Delivery Drones Work Is Using Trucks

Feb. 24, 2015 — By *Evan Ackerman*

When the drone does make it back to the truck, the good news is that its batteries aren't a limitation. The battery charger is wireless and only takes a few minutes to top itself up, thanks to a system developed by the



University of Cincinnati (which also developed the HorseFly octocopter itself).



Cradle Cincinnati Study UnCOVERS Local Cost of Preterm Births

Feb. 12, 2015 — By *Casey Weldon*

"It really comes down to the infant not being fully developed," said David White, clinical coordinator for the department of obstetrics and gynecology at **University of Cincinnati** College of Medicine. "That time that a child spends in the mother's womb is crucial to the development of the brain and other organs. Those babies that are born severely premature (26 to 32 weeks) will spend in hospitals before they're able to go home."

THE CINCINNATI ENQUIRER Hamilton County Law Enforcement Mostly White

Feb. 2, 2015 — By *Amber Hunt*

Jeff Rexhausen, a senior research associate with the **University of Cincinnati** Economics Center, said those numbers don't paint the whole picture. "Workforce diversity is a high priority for many employers, but their ability to achieve diversity objectives is constrained by the composition of the local workforce."



How the Cost of a Drug Impacts the Placebo Effect

March 3, 2015 — By *Gretchen Cuda Kroen*

Give patients a pill filled with sugar or in an injection of saline but tell them it's medicine, and a percentage of them will report feeling better. A recent study in a handful of Parkinson's patients suggests you can boost the effects of the placebo even further by telling patients the drug costs a lot of money. In the experiment at the **University of Cincinnati**, the patients received saline but were told they were testing the efficacy of two real drugs — one that cost \$100, and another that cost 15 times as much. "When they received the cheap formulation, they got better, but nowhere near those who received the expensive medication," Dr. Alberto Espay says.

Judge Orders New Trial for Three Men Convicted of '95 Slaying

March 26, 2015 — By *Mark Gillispie*

Three men imprisoned for nearly 20 years after a jury convicted them of murder in 1996 should have a new trial because a prosecutor suppressed evidence that calls into question the men's guilt. Attorney Brian Howe of the **University of Cincinnati**-based Ohio Innocence Project said the group has been working on the men's case since 2007. The Innocence Project has never alleged misconduct by prosecutors, Howe said, but added that it would have been a different trial had defense attorneys been given information known today.



UC Student Puts Corvette Engine in DeLorean

March 28, 2015

For the coolest senior design project ever, a **University of Cincinnati** engineering student has taken the motor from a Corvette C5 and put it into a classic DeLorean. Thanks to the engine upgrade, the stainless steel sports car now produces 425 horsepower at the rear wheels. As Vette TV notes, all of that power means this souped-up DeLorean "will hit 88 mph faster than Marty or Doc ever could have imagined. No Flux-capacitor needed here." Now, if only this UC student Nicholas Roedel could go back in time and somehow save his school's team from being eliminated by UK in the NCAA tournament.

Sentinel-Tribune

Students Receive Credit Giving Rides to Older Americans

Feb. 27, 2015

College students enrolled in select classes at the **University of Cincinnati** have the opportunity to receive college credit for driving older adults in the community through a pilot project called Driving Community Connections. The Independent Transportation Network (ITN) of Greater Cincinnati has been incorporated into new and existing courses and will provide students with the ability to engage with Ohio's elders, learn about the aging process and meet a need in their local community.

UC to Transform First Cincinnati Sears Store into \$16 Million Innovation Center

Feb. 24, 2015 — By Tom Demeropolis

The **University of Cincinnati** will renovate the university's Campus Services Building, originally a Sears, Roebuck and Co. department store, into a \$16 million research accelerator. "The **University of Cincinnati** has long been an economic spark plug for the region and state of Ohio. Creating such a much-needed translational research facility will occupy a critical place in our local entrepreneurial and commercialization ecosystem," UC president Santa Ono said.



This Huge Engineering Project May Be Our Best Chance of Colonizing Space

Feb. 5, 2015 — By Annalee Newitz

Scientists from nanomaterials labs at Rice University and **University of Cincinnati** gave presentations on everything from how to spin carbon nanotubes into fiber that looks like soft, black cotton, to how radiation in space could rip the molecular bonds of a carbon nanotube ribbon.



Unique Procedure Offered for Patients with Inoperable Bile Duct Cancers

March 17, 2015

University of Cincinnati Cancer Institute transplant surgeons are offering a unique procedure to remove inoperable, cancerous tumors from the bile duct of the liver, potentially improving survival rates for patients who may otherwise have few treatment options.

Documents Show Hopple Street Demolition Plan

Feb. 6, 2015 — By Kara Foxx

Local bridge and construction expert James Swanson, an associate professor of civil engineering at the **University of Cincinnati**, says one of the least stable times for bridges is during construction or deconstruction. When the bridge is in service and all the pieces are working together as a system, they are very safe. But when you start taking pieces away, if you don't do it in the right sequence, if you don't do it properly, then individual parts become unstable and can lead to a collapse, said Swanson.

Eccline Systems Raises \$1.5 Million in Seed Funding

Feb. 25, 2015

Eccline Systems, Inc., announced today that it has raised \$1.5M in seed funding. Formed in late 2013, the advanced sweat sensor company is developing disposable electronic patch systems based on innovative research and intellectual property that originated from the **University of Cincinnati** and Air Force Research Labs.

Musical Spider Purrs Like a Cat to Attract Mates

May 21, 2015 — By Andy Coghlan

For the first time, a spider has been recorded producing what appear to be audible courtship signals over and above pure vibrations. George Uetz of the **University of Cincinnati** discovered the purring wolf spider with colleague Alexander Sweger.

Think Romantically but Shop for Versatility this Valentine's

Feb. 10, 2015

Researchers from the **University of Cincinnati** show that thoughtful lovers' burning desire to show off just how well they know their partner could get them burnt. So instead, think romantically but shop for versatility. "When it comes to choosing gifts for close others, like romantic partners, givers try especially hard to be thoughtful and demonstrate their knowledge of their partner," said Mary Steffel, assistant professor of marketing. Ironically, these attempts to be thoughtful can backfire.

New Tunable Window Tinting Could Replace Shades

June 2015 — By Marc Laurent

Low-cost window tinting which automatically adapts for color temperatures, brightness, and privacy opacity could be a reality, thanks to new technology developed by the **University of Cincinnati** and industry partners.

Light Manipulation Could Benefit TVs, Microscopes

March 3, 2015

What if one day, your computer, TV or smart phone could process data with light waves instead of an electrical current, making those devices faster, cheaper and more sustainable through less heat and power consumption? That's just one possibility that could one day result from an international research collaboration that's exploring how to improve the performance of plasmonic devices. The research was led by Masoud Kaveh-Baghdadorani, a doctoral student in the **University of Cincinnati's** Department of Physics.



Steam Stones Safer than Hookah, But Only if You Smoke Them Right

May 26, 2015 — *By Benjamin Plackett*

New research from the **University of Cincinnati** has compared the safety of nicotine-free steam stones with traditional hookah tobacco. Research results showed that steam stone vapor contains substantially lower concentrations of toxic metals.



Why Can't I Drink Like I Used To?

March 13, 2015 — *By Christine Charlson*

It seems for many of us, the older we get, the less we can drink. Why is that? Dr. Daniel Schauer, who's in the division of general internal medicine at **University of Cincinnati**, says it goes back to less water in the body as we get older.



Cincinnati Jobless Rate Plunges to Lowest Level in 14 Years

May 27, 2015 — *By Steve Watkins*

"The local economy is continuing to show strength in the top-line number, but weaknesses still exist," Julie Heath, director of the **University of Cincinnati's** Economics Center, told me. "The number of people who are employed part-time but want a full-time job, the number of people who are underemployed, the stagnation in wage growth all indicate that there is lingering slack in the labor market." While Heath sees the latest numbers as good news, workers won't start spending as though the economy has turned a corner until wage growth picks up.



NASA to Coach UC Students on Technology Commercialization

Feb. 7, 2015 — *By Krsiten Franke*

If you mention NASA in casual conversation, it's almost guaranteed that you'll get a reaction — a good one at that. This year, those enrolled in undergraduate and graduate entrepreneurship classes at the **University of Cincinnati's** Lindner College of Business will be able to add that impressive acronym to their resumes. UC's Center for Entrepreneurship and Commercialization (CEC), a part of the business school, has teamed up with NASA's Ames Research Center to bring NASA scientists into UC classrooms.



UC Research Partnership Explores How to Best Harness Solar Power

March 7, 2015

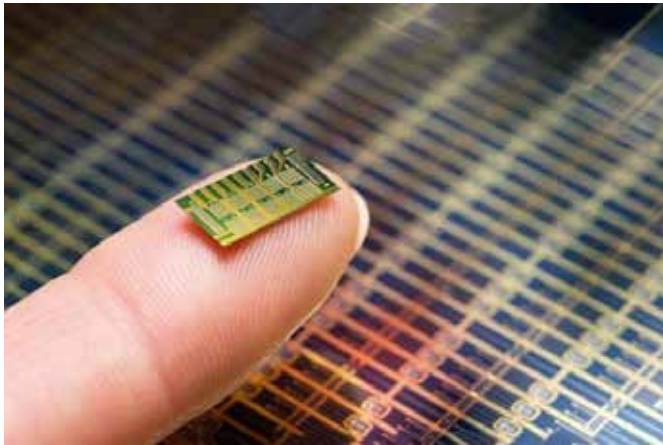
A **University of Cincinnati** research partnership is reporting advances on how to one day make solar cells stronger, lighter, more flexible and less expensive when compared with the current silicon or germanium technology on the market.

Vox

These Amazing New Contraceptives Could be the Future of Birth Control

Feb. 6, 2015 — *By Megan Thielking*

There's a push to develop new, long-acting reversible contraceptives, says Dr. Michael Thomas, OB/GYN at the **University of Cincinnati's** Center for Reproductive Health.



The Columbus Dispatch

Study Show Importance of Watching for Signs in Children of a Bipolar Parent

March 3, 2015 — *By Misti Crane*

Dr. Melissa DelBello, the chairwoman of psychiatry and behavioral neuroscience at the **University of Cincinnati**, said the research is important and is the largest prospective look at children at high risk of bipolar compared to those at normal risk. "The future of psychiatry involves early intervention and ultimately prevention strategies," said DelBello.

Health

Early Studies See No Heart Risk from Testosterone Therapy

March 4, 2015 — *By Dennis Thompson*

A study of Veterans Administration patients revealed a 30 percent increased risk in heart attacks and strokes among men taking testosterone therapy, said Dr. Richard Becker, chief of cardiovascular health and disease at the **University of Cincinnati** College of Medicine. "The risk was increased whether someone was known to have heart problems or not," said Becker, who's also director of the **University of Cincinnati** Heart, Lung and Vascular Institute.



Loveland Company Develops Drone Delivery Truck

Feb. 9, 2015 — *By Ann Thompson*

The horsefly drone was developed by AMP electric vehicles and **University of Cincinnati** researchers. It comes complete with four cameras and eight rotors. The drone rides on top of the truck but its claw sticks down into the cabin of the truck so the driver can hand it packages.



MONTHLY columbus

What's Next for Mayor Coleman?

February 2015 — *By Michelle Sullivan*

Could these blemishes make it harder for Coleman to earn the trust of voters outside of Columbus? Not likely, says David Niven, a professor of political science at **University of Cincinnati**. "The mindset of the voter is like a child with a short attention span," says Niven. "They focus on what's right in front of them. What's compelling about [Coleman] is the Columbus record — the idea that in a sea of rust-belt cities, Columbus is growing, and he's been at the helm of that."

THE CINCINNATI ENQUIRER

Duke Energy, UC Blue Ash Support Nursing Education

Jan. 30, 2015

Duke Energy is providing the UC Blue Ash College nursing department with a \$7,600 grant that will help transform the way students learn. The grant is part of the UNITE (Utilizing Nursing and Technology in Education) Project developed by the college. Faculty in the nursing department will collaborate with the **University of Cincinnati** College of Nursing for training on the use of iOS apps that allow professors to build courses and provide instruction to students on the Apple platform.

Think Romantically but Shop for Versatility this Valentine's

Feb. 10, 2015

Researchers from the **University of Cincinnati** show that thoughtful lovers' burning desire to show off just how well they know their partner could get them burnt. So instead, think romantically but shop for versatility. When it comes to choosing gifts for close others, like romantic partners, givers try especially hard to be thoughtful and demonstrate their knowledge of their partner," said Mary Steffel, assistant professor of marketing. Ironically, these attempts to be thoughtful can backfire.



A GANNETT COMPANY

Uptown Funk and Inside the Science Behind an Earworm

Jan. 29, 2015 — By Mikaela Krimm

Earworms tend to be pleasurable as opposed to aggravating. According to James Kellaris of the **University of Cincinnati**, only 30 percent of earworms are classified by their victims as "annoying." Human beings are more inclined to recall negatives, so when questioned, people will remember the one song that got stuck in their head that bothered them, not the four or five that kept polite company while they went about their business.

Football Players with Vision Training Had Fewer Concussions, Study Says

April 21, 2015

At a time when concussions are at the forefront of concerns about player safety at all levels of football, **University of Cincinnati** researchers are reporting a statistically significant lower rate of concussion for players in UC's program who received vision training. "Football is a complex skilled sport with the need to integrate sensory input to be successful, and our opinion is that vision plays a key component," says Joe Clark, a professor in the UC Department of Neurology and Rehabilitation Medicine. "But little to no emphasis is placed on prevention or training to reduce the risk of traumatic brain injury (TBI), which includes concussions."

This Sensor Sweats the Details of Your Water Needs

March 17, 2015 — By Jeff Schogol

The Air Force is developing a sensor that airmen can wear like a Band-Aid that will constantly monitor how hydrated they are. "We can actually measure true electrolyte values and give you the biochemical signature for hydration," said Joshua Hagen of the Air Force Research Laboratory. Hagen recently completed human testing of a sweat sensor prototype along with the **University of Cincinnati's** Novel Devices Laboratory.

A Rare Insight into Physical Interaction

April 24, 2015

More than a question of keeping time to the music or fine-tuning your footwork ahead of time, the dynamics of activities such as dancing are delicate and a new study says people fall into a specific pattern to avoid a collision. And yet, dancing is not the only complementary, coordinated task during which this occurs.

"For instance, the same or similar movements are performed in a repetitive manner when two individuals are loading a dishwasher, stacking a pile of blocks or magazines, or dancing or (Kung Fu) fighting together," says lead author Michael J. Richardson of the **University of Cincinnati**.



University of Cincinnati's Efforts to Help Cancer Survivors Get \$1 Million Grant Boost

Feb. 11, 2015 — By Bob Driehaus

Beth Schiff suffered from neck pain for 15 years before she discovered the root of the problem was the radiation treatment she received in the 1970s. The path to the right doctor was a circuitous one that stumped doctors who never thought to ask about the link to her treatment in 1977 for Hodgkin disease, a form of cancer. Her story is becoming increasingly common as advances in cancer treatment have increased the number of U.S. cancer survivors to 14.5 million, says Beverly Reigle, director of the **University of Cincinnati** Cancer Institute's Cancer Survivorship program. That number is expected to grow to 18 million by 2022.

INTERNATIONAL BUSINESS TIMES

A Spider's Love Song: Spiders Use Sound to Attract Mate

May 25, 2015 — By Wendy Lemerich

Scientists have revealed that music plays an important role in spiders' mating rituals, as new research shows that spiders use leaves to create music for mating. Researchers from the **University of Cincinnati**, Alexander Sweger and George Uetz, revealed that the courting ritual of these spiders involved the creation of vibration with from surfaces, like a dead leaf, to create noise.



theENGINEER

First for technology & innovation www.theengineer.com

Polymer-Based Photovoltaics Show Promise Against Silicon and Germanium

March 4, 2015

A **University of Cincinnati** research partnership is reporting advances on how to make solar cells stronger, lighter, more flexible and less expensive compared with silicon or germanium technology.

CINCINNATI BUSINESS COURIER

The Chief of UC's College of Medicine Needs New Business Cards

April 21, 2015 — By Barrett Brunsmann

The **University of Cincinnati**'s board of trustees decided it's time for Dr. William Ball to drop "interim" from his title as dean of the College of Medicine.

NEWS MEDICAL

The Latest Developments in Life Sciences & Medicine

Leptin Resistance Is Not a Possible Cause for Obesity, Scientists Find

May 19, 2015

For years, scientists have pointed to leptin resistance as a possible cause of obesity. Research led by investigators at the **University of Cincinnati** Metabolic Diseases Institute, however, found that leptin action isn't the culprit.

machine design

Biosensor Tracks Health by Looking at Sweat

March 5, 2015 — By Stephen Mraz

A sensor developed by a team of researchers at the Air Force Research Laboratory is worn much like a bandage and can tell if the wearer is in the early stages of dehydration or heat stress, two medical problems common in soldiers who are exercising or on a mission. The team, working with the **University of Cincinnati**, has already built a prototype and tested it on humans.

SUN TIMES

University of Cincinnati Scientists to Investigate How Marijuana Can Help Epilepsy

March 5, 2015 — By Lorna Finnegan

Separate clinical trials to determine whether medical marijuana can help ward off seizures in people with epilepsy will begin soon at the **University of Cincinnati** and Cincinnati Children's Hospital Medical Center. "We're interested in new potential treatments, (but) a lot of testing needs to be done," said Dr. Michael Privitera, director of the Epilepsy Center at the UC Neuroscience Institute.



THE CINCINNATI ENQUIRER

Admission Not Just About Grades, Test Scores

Feb. 11, 2015 — By Sue Kiesewetter

"We're looking for students not just to enroll, but eventually graduate," said Thomas Canepa, associate vice president for admissions at the **University of Cincinnati**. "We'll look at each application individually. It gets a full read. We're looking at the total student. I think more and more large public and private schools are taking a more holistic approach."

JDJournal

NOTHING BUT THE TRUTH

University of Cincinnati Assigns First Female Dean in 182-Year History

The **University of Cincinnati** recently selected Jennifer S. Bard as dean. UC Provost Beverly Davenport cheered the decision to bring Bard to prominence, saying, "I am absolutely thrilled to be able to appoint the first female dean of this law school in its 182-year history. She is appointed because she is hands down the most qualified and best fit for our school."

The Washington Post

How to Keep Boys in Choir When Their Voices Change

Feb. 13, 2015 — By Lindsey Bever

He contacted Wendy LeBorgne, an adjunct assistant professor for musical theater at the College-Conservatory of Music at the **University of Cincinnati**. LeBorgne and Barbara Weinrich, a researcher in speech-language pathology at the Cincinnati Children's Hospital, will collaborate on the study. Although there have been numerous studies on the science behind boys' voice changes, the researchers said, not much has been done on how it happens — as it happens — particularly in dwindling boys' choirs.



University of Cincinnati to Transform Grand Old Department Store into High-Tech Job Creator

Feb. 24, 2015 — By Bob Driehaus

The **University of Cincinnati** is capitalizing on construction of the Martin Luther King Jr. interchange with Interstate 71 to breathe new life into an old Sears department store through a \$16 million renovation that will create a new business incubator and technology hub. The five-story, 86-year-old art deco building, which UC already owns, will be retrofitted to house the UC Research Institute university research incubators and, if plans succeed, startups and other research-oriented businesses that want to interact with UC professionals.



DAILY PRESS

Is Friday the 13th Unlucky?

Feb. 12, 2015 — By Rene Ray de la Cruz

In Western society, as far back as the 14th century, Friday was traditionally considered an unlucky day, with many believing that it was associated with the crucifixion of Christ. According to **University of Cincinnati** popular culture expert Rebecca Borah, the number 13 has long been considered unlucky as well, for many Christian and pre-Christian societies. Borah said pre-Christian societies often noted the number 12 as representing completeness due to the lunar cycle, which made the number 13 a “stepchild of a number.” Later, a Christian overlay was added since the 13th apostle was Judas Iscariot. Early in the 1900s, the two superstitions merged, and Friday the 13th emerged as a day of “especially bad karma.”

newsmax health

Placebo Effect May Be Hereditary

April 14, 2015

Scientists believe the placebo effect involves the release of dopamine, a brain chemical that's most connected to pleasure but also how you move, said Dr. Alberto Espay, director of the Gardner Center for Parkinson's Disease and Movement Disorders at the **University of Cincinnati**.

THE CINCINNATI ENQUIRER

Time Change Sleep Tips

March 9, 2015 — By Anne Saker

First, no one is getting enough sleep. Dr. Ann Romaker, director of the **University of Cincinnati** Medical Center Sleep Medicine Center, said the typical adults needs seven to 7½ hours every night; teenagers and young adults need at least nine hours a night.

USA TODAY

A GANNETT COMPANY

Florida Firefighters in Heated Fight Over Cancer Law

Feb. 15, 2015 — By Heather Wysocki

A **University of Cincinnati** study found higher incident rates in firefighters of testicular cancer, multiple myeloma, non-Hodgkin lymphoma and prostate cancer, plus possible increases in several others. It also found a lower onset age than in the general population.

io9 WE COME FROM THE FUTURE

There's a Special Kind of Wolf Spider that "Purrs"

May 18, 2015 — By Esther Inglis-Arkell

Most spiders neither make nor receive airborne sounds. But there is one exception. A specific kind of wolf spider makes purring noises when seeking a mate. According to the **University of Cincinnati**, spiders don't have any physical structures that will let them hear airborne sounds, which means they haven't heard my shameful screams when I see them crawling across my desk towards me. They do, however, pick up on vibrations.

THE PLAIN DEALER

Three East Cleveland Men Freed from Prison After Nearly Two Decades

March 27, 2015 — By *Ida Lieszkovszky*

After nearly two decades in prison, three East Cleveland men were freed this week and granted new trials on murder charges from a 1995 case. The Ohio Innocence Project at the **University of Cincinnati** took up the case, and a freedom of information request filed last year by the group uncovered new information. The new evidence includes testimony of two eyewitnesses that refutes the assertions of the prosecution, as well as testimony from the victim's brother that also conflicted with the prosecution's account.



University of Cincinnati Partners to Provide Senior Transportation

March 2, 2015

The **University of Cincinnati** partnered with the Independent Transportation Network of Greater Cincinnati, enabling students to be able to receive credit for driving older adults. The program, Driving Community Connections, is supported by the Ohio Department of Aging and the Ohio Board of Regents. UC students who volunteer can take a one credit hour online elective course to learn more about the aging process. UC is the first university to partner with the transportation network.



Scientists Trick the Light Fantastic

March 2, 2015

What if one day, your computer, TV or smart phone could process data with light waves instead of an electrical current, making those devices faster, cheaper and more sustainable through less heat and power consumption? That's just one possibility that could one day result from an international research collaboration that's exploring how to improve the performance of plasmonic devices. The research is by Masoud Kaveh-Baghdadorani, a doctoral student in the **University of Cincinnati's** Department of Physics.



How Atlanta's Greater Emphasis on Biking Impacts the Housing Market

May 27, 2015 — By *Charlotte Sears*

It's surprising how a love of biking can translate into higher values for properties along or near a bike path. A study from the **University of Cincinnati** found that homebuyers were willing to pay a premium of up to \$9,000 to be within 1,000 feet of the 12-mile rails-to-trails line.



Small Business Employee Theft

Feb. 17, 2015 — By *William Atkinson*

Recent research from the **University of Cincinnati** noted that, even though 64 percent of the small businesses that were surveyed reported having experienced theft by employees, only 16 percent of those business owners reported those thefts to police. The report also noted that, according to the U.S. Chamber of Commerce, one-third of small business bankruptcies are the result of employee theft.



Millions of Americans Dealing with Emotional, Financial Struggles of Infertility

Feb. 17, 2015 — By *Elizabeth Fraugl*

The **University of Cincinnati** Center for Reproductive Health in Butler County is one of the best in the nation, with a 40 percent success rate.

Pulmonary Embolism Risk Scoring Could Guide Treatment, Ease Burdens on EDs

March 31, 2015 — *By Dama Ewbank*

An analysis led by **University of Cincinnati** emergency medicine researchers shows that a simplified severity scoring tool for pulmonary embolism could be used in emergency departments to guide treatment decisions and, ultimately, ease the burden placed on emergency departments and hospitals. “Patients with symptoms of pulmonary embolism who enter emergency departments in the United States are overwhelmingly admitted to the hospital,” says Gregory Fermann, MD, professor and executive vice chairman of UC College of Medicine’s Department of Emergency Medicine. “Outside the U.S., patients with pulmonary embolism are much more likely to be treated and released directly from the emergency department.”



Shoveling Snow Can Double Heart Rate in Minutes

Feb. 18, 2015 — *By Liz Bonis*

“It’s a lot of work to shovel snow,” said Ben Brooks of the **University of Cincinnati** Health Emergency Medicine. “So they are increasing their heart rate, and stressing the body a lot more than they usually would.”



UC Social Media Week Offers Tips and Insights for Novices and Pros

Feb. 20, 2015 — *By Libby Cunningham*

The **University of Cincinnati** is inviting the entire world to watch during UC Social Media Week. UC is joining a global online social media conference, “Upwardly Mobile: The Rise of the Connected Class” and holding panel discussions and other activities to engage students about the best ways to use social media.

GE Aviation Invests Millions in New Jet Engine

Feb. 22, 2015 — *By Chelsey Livingston*

At GE Aviation’s headquarters campus in Evendale in suburban Cincinnati, it established in 2013 the GE Aviation Research Center in collaboration with the **University of Cincinnati** Research Institute.



Hankook’s Revolutionary Airless i-Flex Tire Is Puncture Proof and 95 Percent Recyclable

Feb. 22, 2015 — *By Morgana Matus*

Hankook has yet to announce any production plans for the i-Flex, but experts speculate that it is only a matter of time before the manufacturer follows in the treads of other airless tire makers like Bridgestone and Polaris. The company is concurrently working on another prototype in conjunction with the **University of Cincinnati** dubbed the “eMembrane,” which is able to transform its shape depending on road conditions.



Cincinnati Start Up Raises \$1.5 Million to Learn from Your Sweat

Feb. 25, 2015 — *By Andy Brownfied*

A new Cincinnati company that uses disposable electronic patches to find out what sweat can tell about the body has raised \$1.5 million in seed funding. Eccrine Systems was founded in 2013 to commercialize technology that originated from research by the **University of Cincinnati** and Air Force Research Labs.

UPS Could Navigate St. Augustine Deliveries by Drone

Feb. 9, 2015

AMP Electric Vehicles and the **University of Cincinnati** have developed the “horsefly” drone that will be available as an optional add-on for electric-powered trucks under consideration by UPS. The Horsefly comes complete with four cameras and eight rotors. The add-on drone will be available once commercial drones are approved by the Federal Aviation Administration. **University of Cincinnati** and AMP have already applied to the FAA for an outside drone test permit.

Engineered Biomarkers Could ID Marker Cells

Feb. 23, 2015 — By Jenny Rood

“Conceptually, this is transformative. There are many studies that put gene-delivery systems into cancer cells and try to kill the cancer cells,” said Shuk-Mei Ho of the **University of Cincinnati**. “[Instead] we might be able to do a lot of things to kill the cancer cells, including radiation or surgery, if we detect them early enough.”



Valentine's Day Gift Giving Strategy for the Hopeless Romantic

Feb. 12, 2015

University of Cincinnati research suggests you buy a gift your sweetie wants, not one that proves how thoughtful you are. Research on gift giving from the **University of Cincinnati** shows that thoughtful lovers' burning desire to show off just how well they know their partner could get them burnt. So instead, think romantically, but shop for versatility.

“When it comes to choosing gifts for close others, like romantic partners, givers try especially hard to be thoughtful and demonstrate their knowledge of their partner,” says Mary Steffel, researcher and assistant professor of marketing in UC's Carl H. Lindner College of Business. “Ironically, these attempts to be thoughtful can backfire. We find that givers tend to choose more specific, less versatile gift cards when shopping for romantic partners than friends, but that recipients prefer more versatile gift cards regardless of how close they are to the giver.”

THE CINCINNATI ENQUIRER

CEO: GE Aviation Critical to Earnings Growth

March 16, 2015 — By Bowdeyah Tweh

General Electric Co.'s Evendale-based aviation division will manufacture more new products in the next six years than the previous 30 combined, helping the multinational corporation generate “tremendous” cash flow and earnings per share growth in the coming years, GE's chief executive said Monday. Immelt, who has been GE's CEO since September 2001, was the keynote speaker at the **University of Cincinnati** Economics Center's 2015 Annual Awards Luncheon. Immelt is a Cincinnati native and Finneytown High School graduate.

Controlled Environments

Tricking the Light Fantastic

March 3, 2015 — By Dawn Fuller

University of Cincinnati researchers are investigating the manipulation of light in plasmonic nanostructures. The research focuses on guiding light through nanometer-thick metal films — about a thousand times thinner than a human hair — to propagate light with plasmon waves, a cumulative electron oscillation. The technique would minimize energy loss and heat production.



Ohio's Governor Touts Achievements During Annual Address

Feb. 24, 2015 — By John London

Gov. John Kasich praised university presidents, like the **University of Cincinnati**'s Santa Ono, for innovative reforms that are in the works. “Well, he's really encouraging us to think of a new Ohio,” Ono said after the governor's address. “That includes education. I think it's visionary. We're going to work very hard to make it more efficient, better for the people of Ohio.”

HEALTHCANAL

New Study Reveals How People Avoid Bumping into One Another

April 18, 2015

An NIH-supported study holds applications for areas including autism, schizophrenia, robotic research and sport rehabilitation. A new study is a rare look into the delicate dynamics of social movement, and shows how people avoid bumping into each other while doing complementary, coordinated tasks such as dancing. The research reveals that people fall into a specific pattern to avoid a collision. The study is led by Michael J. Richardson, a **University of Cincinnati** associate professor of psychology.

UC Hires a Slew of New Surgeons, Scientists

March 17, 2015 — *By Barrett Brunsman*

The **University of Cincinnati** has bolstered its Heart, Lung and Vascular Institute in recent months by hiring heart surgeons and scientists to fill seven new positions. Dr. Richard Becker, director of the Heart, Lung and Vascular Institute and its physician in chief, said the hires will help advance patient care, clinical research, and education and training in the cardiovascular field. The UC Heart, Lung and Vascular Institute is a partnership between UC Health and the **University of Cincinnati's** College of Medicine. It's designed to connect expert doctors with cutting-edge researchers to make breakthroughs in medicine.

THE CINCINNATI ENQUIRER

Bariatric Surgery Does Not Extend Life for the Super Obese

Feb. 17, 2015 — *By Anne Saker*

Bariatric surgery can help a lot of obese people lose weight and improve their lives. But a **University of Cincinnati** doctor has found that for the very heaviest diabetic patients, the procedure could cut life expectancy. Dr. Daniel Schauer and colleagues learned that the benefits of the surgery decrease with the increase in a patient's body mass index. For people with a BMI over 62, called the "super obese," the trend line for length of life drops.



Ohio Has 'Critical' Shortage of Psychiatric Hospital Beds

March 1, 2015 — *By Hanna Poturalski*

Dr. Paul Keck, president and CEO of Lindner Center of HOPE and endowed professor of psychiatry at **University of Cincinnati** College of Medicine, said, "There are too few people to take care of the overwhelming demand for services. It's a national crisis."



Researchers Harness the Power of Mobile Devices to Teach Kids About Safety

April 27, 2015

Since it's nearly impossible to keep mobile devices out of the hands of children, they might as well learn something worthwhile using these devices. That was the idea behind the development of a game app to teach youngsters about bicycle and dog bite safety.

Dr. Cinnamon Dixon and her colleagues from Cincinnati Children's Hospital Medical Center and **University of Cincinnati** conducted a randomized, controlled trial of 60 kindergartners to determine whether the game app, called iBsafe (interactive Bite and Bike safety), improves children's knowledge of bicycle and dog bite safety and their safety skills.

DIGITAL JOURNAL

Our Plastic Food Containers: Are They Really Safe to Use?

March 1, 2015 — *By Karen Graham*

But once the BPA-containing products come in contact with food or liquids, the chemical begins to leach out into the product. And if the food or drink is hot, the leaching is 55 times faster than at room temperature. This was based on a study at the **University of Cincinnati**.



First Female Dean Chosen for University of Cincinnati's 182-Year-Old Law School

March 4, 2015 — *By Bob Driehaus*

It took 182 years, but the **University of Cincinnati** has chosen Jennifer S. Bard to be the next dean of its law school, marking the first time in the school's long history that it will be led by a woman. UC Provost Beverly Davenport announced the news, hailing Bard's long list of credentials. "She is appointed because she is hands down the most qualified and best fit for our law school," Davenport told WCPO.



Hookah Steam Stones Loaded with Carcinogens

May 18, 2015

Researchers from the **University of Cincinnati** found that smoking a hookah loaded up with the stones actually delivers an extra cloud of toxic metal residues — including the chemicals of chromium, arsenic and cadmium — all released from the charcoal used to keep the hookah pipe burning.



The Columbus Dispatch

Toxins Found in Air Near Ohio County's Fracking Wells

May 25, 2015 — By David Hasemyer

Emissions from fracking operations might be exposing people to toxic pollutants at levels higher than the U.S. Environmental Protection Agency considers safe for long-term exposure, according to scientists from the **University of Cincinnati** and Oregon State University. The researchers took air samples in Ohio's Carroll County, home to 480 permitted wells — the most in any of the state's 88 counties. The team found chemicals released during oil and gas extraction that can raise the risk of cancer and respiratory ailments.



Genes May Make 'Placebo Effect' Stronger for Some

April 13, 2015 — By Randy Dotinga

Scientists believe the placebo effect involves the release of dopamine, a brain chemical that's most connected to pleasure but also how you move, said Dr. Alberto Espay, director of the Gardner Center for Parkinson's Disease and Movement Disorders at the **University of Cincinnati**.



Exonerated Ohio Man Awarded \$1 Million after 39 Years in Prison

March 20, 2015

Ricky Jackson, who spent some 39 years in prison for a crime he didn't commit, was awarded more than \$1 million by an Ohio court. Jackson was released from prison in November after the Ohio Innocence Project of the **University of Cincinnati** College of Law delved into the case.



New Study Reveals How People Avoid Bumping into Each Other

April 15, 2015

A new study is a rare look into the delicate dynamics of social movement, and shows how people avoid bumping into each other while doing complementary, coordinated tasks such as dancing. The research reveals that people fall into a specific pattern to avoid a collision. The study was led by Michael J. Richardson, a **University of Cincinnati** associate professor of psychology.

Dayton Daily News

GE Aviation to Introduce Advanced Composite Materials on Jet Engines

March 3, 2015 — By Chelsey Levingston

"The CMC technology is revolutionary because it will really change the way current engines perform because you have gains from so many different fronts," said Francesco Simonetti, associate professor of aerospace engineering for **University of Cincinnati**, a research partner with GE Aviation.



Sweaty Business: Eccrine Systems Announces \$1.5 Million in Seed Funding

March 3, 2015 — By Kristen Franke

For nearly two years now, Eccrine Systems LLC has been in the business of perfecting and commercializing a technology, trademarked "Sweatronics," that uses human sweat as a data-generating tool. With technology developed and licensed at the **University of Cincinnati**, Eccrine Systems uses disposable electronic patches to collect biomarker data. Co-founder of the company and lead researcher on the topic, Jason Heikenfeld sees sweat as "best non-invasive fluid source for secure, real-time monitoring of human physiological function or dysfunction."



Los Angeles Times

'Expensive' Placebos Work Better than 'Cheap' Ones, Study Says

Jan. 30, 2015 — By Karen Kaplan

How do you convert a simple saline solution into a useful treatment for people with Parkinson's disease? Tell them it's a drug that costs \$100 per dose. And if you want to make it even more effective, tell them it costs \$1,500 instead. That's what researchers from the **University of Cincinnati** discovered in an unusual clinical trial. Instead of testing a placebo against an actual drug, they pitted two placebos against each other. The only difference between the two sham treatments was their purported price.



International New York Times

Think Romantically but Shop for Versatility this Valentine's Day

Feb. 10, 2015

Researchers from the **University of Cincinnati** show that thoughtful lovers' burning desire to show off just how well they know their partner could get them burnt. So instead, think romantically but shop for versatility.

"When it comes to choosing gifts for close others, like romantic partners, givers try especially hard to be thoughtful and demonstrate their knowledge of their partner," said Mary Steffel, assistant professor of marketing. Ironically, these attempts to be thoughtful can backfire.

"We find that givers tend to choose more specific, less versatile gift cards when shopping for romantic partners than friends, but that recipients prefer more versatile gift cards regardless of how close they are to the giver," Steffel explained.



USA TODAY

A GANNETT COMPANY

Can Training the Eyes Help Prevent Concussions?

Feb. 4, 2015 — By Monica Robins

From 2006 to 2009, the **University of Cincinnati** Bearcats football team averaged about nine concussions a year. Coaches and medical staff sought a way to bring down those numbers. They heard about a program in use by the Air Force Academy. Pilots were using a "light board" to strengthen and improve their peripheral zone of vision.

The **University of Cincinnati** began using a light board on its football players, but for a different reason. "When you look at the field of vision, you have natural blind spots. And those blind spots happen to be in an area where in the field of play it could be dangerous for our kids," explained Bob Mangine, the **University of Cincinnati** senior associate athletic director. "Over the last five seasons, we've now trained with the Dynavision system and quite honestly our concussion rate has dropped significantly. From 2010 to this most recent season, the Bearcats' average concussion rate has dropped below two a year.



THE WALL STREET JOURNAL

Can Personal Air Purifiers Keep Cold and Flu Bugs Away?

March 16, 2015 — By Laura Johannes,

Wein Product's technology has undergone a battery of testing by **University of Cincinnati** scientists. It cleared the air of half of the test particles after 15 minutes, and nearly all of them within 90 minutes. The particles remain present on surfaces, "but at least you reduce inhalation exposure," says study author Sergey A. Grinshpun, a professor of environmental health at the university.

THE CINCINNATI ENQUIRER

Bipolar Disorder, Arthritis in Kids Get Fresh Look

April 22, 2015 — By Anne Saker

Dr. Melissa DelBello of the **University of Cincinnati** will get a \$12.9 million award to assess whether overweight and obese youth with bipolar disorders would be helped with a regimen of healthy lifestyle interventions plus the diabetes drug metformin, as opposed to lifestyle interventions alone.

After 39 Years in Prison, an Epic Tale of Innocence Found and Bitterness Lost

April 12, 2015 — By Jacob Baynham

The Ohio Innocence Project operates out of the **University of Cincinnati** College of Law. The students assigned to Ricky Jackson's case wouldn't let the case be closed. "It stayed open because students had talked to Ricky," Brian Howe, the OIP attorney who represented Jackson. "He's so compelling and sincere that they really believed in him."

Here's How Women Are Gaining Equality in Superhero Fiction

March 27, 2015

A new study has revealed how strong female superheroes are gaining ground on the guys. **University of Cincinnati's** Rebecca Borah said that in a post-'Buffy the Vampire Slayer' television world, females are finally becoming major characters to their male counterparts. Borah added that rather than just being the voluptuous, vulnerable love interests of the main characters in these newer TV shows, there are independent, intelligent and intuitive female characters who can kick some antagonist butt on the same level as their male counterparts.

Newsweek

Fracking Could Increase Risk of Cancer, New Study Finds

May 14, 2015 — By Conor Gaffey

Living near to active fracking sites could increase the risk of cancer. Researchers from Oregon State University and the **University of Cincinnati** found that hydraulic fracturing, commonly known as fracking, releases polycyclic aromatic hydrocarbons, which are linked to cancers and respiratory diseases. The study found that moving just one mile away from active sites reduced the levels of the dangerous chemicals in the air by up to 30 percent.

Your Samsung Smart TV Is Spying on You

Feb. 9, 2015 — By Scott Wegener

If you have a Samsung Smart TV, it's spying on you, recording everything you say and do. "Facial recognition, voice recognition, perhaps height and weight, but moreover, any personal, sensitive information that we might happen to say is not yours alone anymore," notes **University of Cincinnati** journalism professor Jeff Blevins. "We should absolutely be concerned about this," says Blevins. "Sometimes I think we're not aware of exactly what it is that we're giving away, what the consequence of that might be."

Cold Packs on Cheeks, Hands and Feet May Help Combat Heat Stroke

April 10, 2015 — By Lisa Rapaport

Cold packs regardless of placement may not work fast enough help a heat stroke victim, said Dr. Edward Otten, a professor of emergency medicine at the **University of Cincinnati**. "That would be too slow and too little to make a difference." However, the new placement method for cold packs might be useful for less severe heat illness, and work well at rehab stations for firefighters or soldiers, or for cooling tents at marathons and other athletic events.

The New York Times

First-Generation Students Unite

April 8, 2015 — By Laura Pappano

Public four-year colleges and universities educate large numbers of first-generation students (1.7 million versus 623,000 at private nonprofits). Those like the **University of Cincinnati** offer residence halls with special programming.

Chicago Tribune

Harvard Formally Bans Sexual Relationships Between Professors and Undergrads

Feb. 6, 2015 — By Susan Svrluga

Billie Dziech, a professor at the **University of Cincinnati** who has studied and written about relationships between professors and students, said policies about such relationships are evolving. "Originally, there were no policies," she said. "We've come a long way from that time."

Carriers, Swings and Bouncers No Place for Infant Sleep

May 1, 2015 — By Gavin Stern

"The safest place for any infant to sleep is in a crib. They need to sleep on their backs and the surface that they're sleeping on needs to be hard — a hard and flat surface," said Maggie Duck, an assistant professor in the **University of Cincinnati**



College of Medicine. "It is recommended for no cushioned padding or extra blankets, especially in the first year of life."

GIZMODO

Wolf Spiders Play Leaf-Vibrating Songs to Attract Mates

May 19, 2015 — *Kiona Smith-Strickland*

Wolf spiders are deaf. They don't have the right structures for hearing. However, they are very good at sensing other kinds of vibrations, and they use this ability to communicate. One species of wolf spider plays songs on dead leaves to attract mates, according to recent research by biologists at the **University of Cincinnati**. The purring wolf spider bounces on leaves to create the same silent vibrations as its cousins, but it also makes an audible sound.

THE CINCINNATI ENQUIRER

Printing a 3-D Heart to Save a Heart

Feb. 22, 2015 — *By Anne Saker*

One day, Damon Mallott of Anderson Township wants to hold his heart in his hands — or at least the replica that his doctors at Cincinnati Children's Hospital Medical Center had made with a 3-D printer at the **University of Cincinnati**. The 3-D medical models like Mallott's arise from a collaboration between Cincinnati Children's Hospital and UC's College of Engineering and Applied Science.



IConnect007

Exploring How to Best Harness Solar Power

March 4, 2015

A **University of Cincinnati** research partnership is reporting advances on how to one day make solar cells stronger, lighter, more flexible and less expensive when compared with the current silicon or germanium technology on the market.

The Columbus Dispatch

There Are Ways to Exercise at Your Desk

March 29, 2015 — *By JoAnne Viviano*

A graduate student in the health-promotion and education program at the **University of Cincinnati** recently put together a guide that says all you need is a desk, a chair and a water bottle or dumbbell.



WCPO CINCINNATI

UC Doctors, Anthropologists Reveal Answers to Child Mummy Mystery

March 16, 2015 — *By Holly Pennebaker*

The pictures helped doctors use 3-D printing to create a detailed model of the child's remains, to be studied by **University of Cincinnati** doctors and anthropologists to learn more about the young girl. Doctors use scans to learn more about mummy's remains.



St.LouisPublicRadio

Justice Department Investigation of Ferguson Policing Is Just First Step in Instituting Change

March 4, 2015 — *By William Freivogel*

There were a number of reasons that reforms stuck in Cincinnati after a 2001 police shooting of an unarmed black teen. One reason is the city adopted an entirely new strategy of policing and problem-oriented policing, that brought officers and citizens together to solve crime problems. John Eck, a criminologist at the **University of Cincinnati**, said the change in strategy put the police officers front and center in solving crime in the community. "This helped to bring about buy-in from the police," Eck said.

PHYS.ORG

Researchers Look at Crystalline Zeolite Membranes to be Fountain of Youth for Renewable Energy Batteries

By March 10, 2015 — *By Melanie Scheffl*

University of Cincinnati researchers are looking at inorganic, crystalline zeolite membranes that exhibit extraordinary stability against the metal ions inside electrical energy storage batteries. This offers the opportunity for developing a new generation of purely inorganic membrane-electrode-assemblies for a more robust, low-cost redox flow battery (RFB) for electrical energy storage in renewable power systems and future smart grids.

2015 Green Business Awards Winner: University of Cincinnati

March 6, 2015

The **University of Cincinnati** may have a streak of Green Business Award wins. Last year UC won a Green Business Award for a thermal-energy storage tank buried under the field of a new athletic complex, which saves the school \$1 million each year in energy costs. In 2011, it won for its Bearcat Bike Share and green transportation programs. UC has won again, this time for its efforts to get rid of coal in favor of cleaner energy.



BiofuelsDigest

The world's most widely read biofuels daily

University of Cincinnati Turns Food Waste into Energy

April 22, 2015 — *By Meghan Sapp*

Researchers at the **University of Cincinnati** have developed a breakthrough that uses anaerobic digestion to turn nutrient-rich organic materials into fuel (biogas), fertilizer, or soil conditioner, while using the carbon dioxide fraction of the biogas to grow algae. Simultaneously, lipid oils in the algae are also extracted and converted to biodiesel. This novel process, which essentially integrates algae production with anaerobic digestion, allows researchers to almost completely utilize the carbon found in food waste in a renewable manner.

UPSTART

business journal

Here's What This Recent Grad's Exercise Machine Has in Common with the iPhone

May 8, 2015 — *By Andy Brownfield*

The idea for the Access Strength exercise system was born when Ryan Eder was working out at a gym on Cincinnati's West Side and saw a man in a wheelchair struggling to use the equipment. "He had a bag of homemade equipment attached to his wheelchair to help him adapt to the various pieces of gym equipment, and it took more time to attach and remove them than it took him to work out," Eder told me. So Eder, an industrial design student at the **University of Cincinnati** College of Design, Architecture, Art and Planning, or DAAP, decided to make exercise equipment that anyone can use the focus of his senior thesis.

ARMED WITH SCIENCE

THE OFFICIAL U.S. DEFENSE DEPARTMENT SCIENCE BLOG

Breaking a Sweat with the New Air Force Biosensor

March 11, 2015

The Air Force Research Laboratory, in collaboration with researchers from the **University of Cincinnati's** Novel Devices Laboratory, conducted the first successful human trials of a usable sweat sensor prototype, in an exercise lab at Wright-Patt.

AP Associated Press

University of Cincinnati Awards Record Number of Degrees

May 1, 2015 — *By Lisa Cornwell*

A record number of degrees from the **University of Cincinnati** will be awarded at the school's spring commencement ceremonies. The university says it will confer more than 6,400 degrees at ceremonies Friday and Saturday, breaking the school record of more than 6,300 degrees that was set last spring.

CityBeat

Sole Searching for Ethical Fashions

March 11, 2015 — *Hayley Day*

The socially and environmentally friendly shoe line, created by **University of Cincinnati** graduates Antoine Burnier-Dechon and Josh Rudd, is sold in 130 stores in 12 countries. Finding the high-end shoes' origins is as easy as reading their online descriptions. Each shoe material is described by location — like leather from Portugal or rubber from Peru's Amazon rainforest.



THINKPROGRESS Yes, Religious Conservatives Accept Climate Change — Just Not the Ones You Think

May 31, 2015 — *By Jack Jenkins*

Conservative religious belief can trigger climate change denial. That's according to a new study conducted by David Konisky and Matthew Arbuckle of Georgetown and the **University of Cincinnati**.

THE CINCINNATI ENQUIRER

UC to Renovate Former Sears into Innovation Center

Feb. 24, 2014 — *By Bowdeya Tweh*

The **University of Cincinnati** plans to spend \$16 million to transform Cincinnati's first Sears department store into a research accelerator. The **University of Cincinnati** Research Institute is expected to be the building's first tenant after the renovation. The institute is an independent, nonprofit organization that helps industrial clients identify opportunities for faculty and students to perform sponsored research at the university.

THE HUFFINGTON POST

Here's How to Get Dangerous Older Drivers Off the Road

March 12, 2015 — *By Ann Brenoff*

Places like the **University of Cincinnati** offers students community service credit for driving seniors to solve this problem: Older unsafe drivers stay on the road because they have no choice. Cars are seen as the key to independence and without them, our worlds shrivel. The average American outlives his/her ability to drive by about 10 years and the quality of their lives diminishes when they relinquish their private transportation, according to the National Institutes of Health.

Dayton Daily News

University of Cincinnati Awards Record Number of Degrees

May 1, 2015

A record number of degrees from the **University of Cincinnati** will be awarded at the school's spring commencement ceremonies. The university says it will confer more than 6,400 degrees at ceremonies Friday and Saturday, breaking the school record of more than 6,300 degrees that was set last spring.



University of Cincinnati Earns Nearly \$2M in NIH, NSF Grants for Genetics of Cave-Dwelling Fish

May 13, 2015

The **University of Cincinnati** today announced that it has received a five-year, \$1.9 million grant from the National Institutes of Health for research into the genetic components of craniofacial asymmetries. The National Science Foundation has also provided \$519,000 to study the genetics of skin pigmentation.

The three-year, NSF award will fund an additional avenue of genetic research involving the fish, which may help reveal the genetic causes of pigmentation changes in humans. Previous research has suggested that the gene that contributes to red hair and pale skin in humans was the same gene that caused reduced pigmentation in cavefish compared to the surface-dwelling species.



Report Quantifies Growing Influence of UC's Niehoff Urban Studio and Community Design Center

March 31, 2015 — *By Rick Pender*

Urban ideation and practical implementation of projects are the dual subjects of the 2014 Annual Report from the Niehoff Urban Studio and Community Design Center. The symbiotically connected interdisciplinary programs are administered by the **University of Cincinnati**'s College of Design, Architecture, Art, and Planning at off-campus studio in Corryville. The recently issued report details that since the program began in 2002, more than 1,200 students in urban planning, engineering, architecture, design, anthropology, business, nursing, political science and urban geography have worked with nearly 150 organizations on projects to address urban issues throughout the Cincinnati region and make it more sustainable.



UC Journalism Students Leave for Weeklong Trip to Cuba

March 13, 2015

About a dozen **University of Cincinnati** students are taking the trip of a lifetime to a country once at odds with the United States. The students are taking a weeklong trip to Cuba to see the changes the country is going through. The trip was organized by UC's Department of Journalism.

GE CEO Immelt Comes Home, Has Five Things to Say to Cincinnati

March 16, 2015 — *By Steve Watkins*

General Electric Co. CEO Jeff Immelt is clearly still a Cincinnati. The Finneytown native, as keynote speaker and award recipient at the **University of Cincinnati** Economics Center's annual awards luncheon, told people sitting with him at the head table that if the site selection on GE's global operations center came down to Cincinnati and another city, he'd break the tie. Immelt left no doubt that he'd side with Cincinnati.



Eyeing Technology to Do New and Interesting Things

March 16, 2015 — *By Ann Thompson*

Seeing is believing for **University of Cincinnati** psychology graduate students who are using eye-tracking devices to study behavior. Researcher Mary Jean Amon is using it to figure out how men and women look at one another. She says a minor glance from a stranger can lead women to become vigilant to their own appearance and that is linked to a number of potential psychological problems. Amon says eye trackers can record up to 360 data points per second, allowing researchers to really look at the structure of a gaze in a way they have never been able to before.



Gene Therapy Clips Out Heart Failure Causing Gene Mutations

April 29, 2015 — *By Lauren Woods*

"This is a major breakthrough in molecular medicine and paves the way for future studies in personalized therapy for heart failure patients aiming to specifically correct their defective genes," says study co-author Litsa Kranias of the **University of Cincinnati**, who first discovered the PLN gene R14del mutation in a Greek family.

City Willing to Invest in Heroin Fight

April 27, 2015 — *By Rick McCrabb*

Dr. Shawn Ryan, from the **University of Cincinnati** Department of Emergency Medicine, said the only way to deal successful with heroin addicts is through medicine and post treatment. "Comprehensive care is the answer," he said. "This is a disease. They do not get cured."

HEALTHCANAL

Unique Procedure Offered for Patients with Inoperable Bile Duct Cancers

March 16, 2015

University of Cincinnati Cancer Institute transplant surgeons are offering a unique procedure to remove inoperable, cancerous tumors from the bile duct of the liver, potentially improving survival rates for patients who may otherwise have few treatment options.



Replacement "Plastic" May Be as Risky as BPA

March 16, 2015 — *By Beth Mole*

"The study of BPS has only recently started," says Hong-Sheng Wang, a pharmacologist at the **University of Cincinnati**. Wang recently led another study that looked at the effects of BPA and BPS on rat hearts. In that study, both chemicals caused the rats' hearts to speed up. Then the researchers added a chemical that mimics the effect of stress on the heart. Both BPA and BPS caused irregular heartbeats in the rats.

If similar things happen in people, Wang says it could mean that BPS might lead to heart damage. Or the chemical could put people with pre-existing heart conditions or stressful lives at risk for heart disease. Scientists have already linked exposure to BPA to higher risks of heart disease. Wang says he's amazed by how similar the effects of BPS are to those of BPA. "They are nearly indistinguishable, if not identical," he says.





Meet the Silent but Dangerous Pollutant on Our Block: E-Waste

March 16, 2016 — *By Joan Koka*

Lead poisoning can cause damage to the nervous and reproductive system and, in some cases, can lead to death. Dr Aimin Chen, a professor at the **University of Cincinnati**, who studies the effects of environmental toxicants on women and children, says, “If you look at a single 27-inch TV, a cathode ray tube TV, it would have maybe 2kg of lead inside. That’s a lot of lead.”

Studies have shown that nonmetals like plastics and flame-retardants, which are core components of most e-waste, can also cause health problems when not handled properly. When burned, they release toxins that can linger in the environment for long periods of time. Chen and fellow researchers found that, among pregnant women in China, those residing near e-waste recycling sites had nearly twice the amount of hazardous metals in their body, including lead, cadmium, and chromium, when compared to women in nonrecycling areas.



UC Gets Big Assist from Dunhumby on Cancer Research

March 17, 2015 — *By Barrett Brunzman*

Dr. William Barrett, director of **University of Cincinnati’s** Cancer Institute, met DunhumbyUSA CEO Stuart Aitken at a social event and invited him to visit the Corryville campus. “He talked about the work Dunhumby does with market research and how they’ve embraced the technological revolution,” Barrett said. “Naturally, we asked him if he had any medical applications to this robust data analysis. The answer was not so far, but they would be interested in starting.”

The Telegraph

Spiders Use Music to Woo Partners

May 23, 2015 — *By Nicola Harley*

Spiders create music to attract their partners. By using leaves to transmit vibrations, the spiders create sounds to serenade females. Alexander Sweger and Prof George Uetz, from the **University of Cincinnati**, monitored North American purring



wolf spiders. Their research was sparked by reports from ecologists that they had heard a quiet “chorus of spiders” while working in forests in the U.S. They played the male spiders’ call to females and discovered that they used leaves to transmit sound. The researchers believe this could provide clues about the earliest evolution of sound-based communication.



Obesity Research Finds Leptin Hormone Isn’t the Overeating Culprit

May 18, 2015

For years, scientists have pointed to leptin resistance as a possible cause of obesity. Research led by investigators at the **University of Cincinnati** Metabolic Diseases Institute, however, found that leptin action isn’t the culprit. “Restoring leptin action will not be effective at reducing obesity because leptin action is normal as opposed to being impaired in obesity,” says assistant professor Diego Perez-Tilve, who directed the study.

THE CINCINNATI ENQUIRER

Cincinnati Doctor Who Saved Thousands Turns 100

March 17, 2015 — *By Joel Beall*

Dr. James Helmsworth, who turns 100 this month, will forever be known for his work on the world’s first heart-lung machine, as well as the innovative surgery procedures he pioneered at the **University of Cincinnati**. It’s not an overstatement to say that Helmsworth irrevocably altered the medical field’s view and treatment of cardiovascular deficiencies.



A Scientific Approach to the Perfect Bracket

March 17, 2015 — *By Perry Schaible*

University of Cincinnati Professor Mike Magazine, who specializes in the science of building a bracket, teaches a three-week class on how to put together a winner. Magazine specializes in numbers, probabilities and statistics. Magazine said, “What we see in the best teams is their ability to get to the foul line, to get offensive rebounds, to limit the number of turnovers they have and to shoot a high percentage. If you’re going to concentrate on these kinds of things, don’t really worry about what their seeds are. Alternatively you can say, hey seeds are the only thing that matters.”



Indiana's HIV Outbreak from Drug Use Could be a Warning of More to Come

Feb. 25, 2015 — By Taylor Mirfedereski



As health and government officials respond to the onslaught of heroin addiction, medical experts say they should also prepare for another drug-related battle: HIV transmitted through the needles used to inject drugs. "Too late for fearing it might happen. It already has," said Dr. Judith Feinberg, an HIV and infectious disease expert at the **University of Cincinnati**. "The issue now is how far it will spread and how fast that will happen."

HEALTHCANAL

UC Researcher Leads Global Program Studying Fibromyalgia Medication

March 19, 2015

A **University of Cincinnati** clinician-researcher is the lead investigator of a phase-3 global clinical program that will evaluate an investigational medication for the treatment of pain associated with fibromyalgia.



Exonerated Ohio Man Awarded \$1 Million after 39 Years in Prison

March 20, 2015 — By Amy Connolly

Ricky Jackson, who spent some 39 years in prison for a crime he didn't commit, was awarded more than \$1 million by an Ohio court. Jackson was released from prison in November after the Ohio Innocence Project of the **University of Cincinnati** College of Law delved into the case.



UC Building to be Renovated into Research Accelerator

March 3, 2015 — By Caitlin Koenig

The **University of Cincinnati** is renovating its former Campus Services Building into a research accelerator. The new research accelerator will help encourage entrepreneurial innovation at UC by providing the space for UC-based startup companies. The first tenant has been announced, UC Research Institute, which is an independent nonprofit that helps attract local, national and international industries to then partner with faculty and students in sponsored research.



How Ancient Species Survived or Died Off in their Old Kentucky Home

April 16, 2015 — By Tom Robinette

"The answers to extinction, survival and evolution are right here in the dirt," says **University of Cincinnati** quaternary science researcher Ken Tankersley, associate professor of anthropology and geology. "And we are continually surprised by what we find." While many scientists focus on species' extinction wherever there has been rapid and profound climate change, Tankersley looks closely at why certain species survived.



AP Associated Press

Number of Cincinnati Shootings Way Up So Far This Year

May 28, 2015

Daytime shootings have rattled residents in at least five different city neighborhoods in the past month. Robin Engel, a professor of criminal justice at the **University of Cincinnati** and director of the **University of Cincinnati** Policing Institute, calls the patterns troubling.

TIME

How to Buy the Perfect Valentine's Day Gift

Feb. 12, 2015 — By Samantha Zabell

A study recently released from the **University of Cincinnati** used gift cards, ranging from specific to versatile, to illustrate this concept. They found that gift givers opted for specific gift cards when the recipients would have actually preferred something more general and useful, and in fact, it took them longer to redeem the specific, personalized gift cards. Gift givers wanted unique gifts for everyone on their list, and prioritized that over choosing presents that recipients would definitely enjoy. So, if you're struggling to think of the perfect gift, you might be on the wrong track.

THE CINCINNATI ENQUIRER

Early Suffragette Deserves Cincinnati Marker

March 19, 2015 — *By Rebecca Butts*

Cincinnati hosts 49 official Ohio historical markers that honor notable events, places, and people but only three are named for women. “We can do better,” said Andrea Kornbluth, a history professor at the **University of Cincinnati** and author. Historical markers serve to remind people of past struggles and triumphs. They are history lessons people can stumble upon on the street, Kornbluth said.



UC Research Partnership Explores How to Best Harness Solar Power

March 3, 2015

A **University of Cincinnati** research partnership is reporting advances on how to one day make solar cells stronger, lighter, more flexible and less expensive when compared with the current silicon or germanium technology on the market. UC’s partnership with the Oak Ridge National Laboratory, U.S. Department of Energy, is exploring how to improve the performance of carbon-based synthetic polymers, with the ultimate goal of making them commercially competitive. Unlike the silicon-or germanium-powered solar cells on the market, polymer substances are less expensive and more malleable. “It would be the sort of cell that you could roll up like a sheet, put it in your backpack and take it with you,” explains Vikram Kuppa, UC assistant professor of chemical engineering and materials science.



Sandy Koufax Walked onto the University of Cincinnati Baseball Team and then into History

March 24, 2015 — *By Brent Coleman*

Sanford “Sandy” Koufax, a handsome 6-foot-2-inch boy from Brooklyn, came to the **University of Cincinnati** to play freshman basketball in the fall of 1953. He walked onto the Bearcats varsity baseball team as an inexperienced pitcher the next spring, made the varsity and struck out 34 batters in his first two games.



Industries with the Highest Rates of Depression

March 24, 2015 — *By Drake Baer and Lauren Friedman*

A **University of Cincinnati** study found that people who work in public transit, real estate, or social work are the most likely to develop depression. Led by **University of Cincinnati** psychiatry professor Lawson Wulsin, the study drew from three years of insurance claims data for 214,000 people in western Pennsylvania employed across 55 industries. “Industries with the highest rates tended to be those which... require frequent or difficult interactions with the public or clients, and have high levels of stress and low levels of physical activity,” write Wulsin and his colleagues.



Athletes Need to Guard Against Skin Woes

March 24, 2015 — *By Robert Preidt*

The five skin conditions most often seen in athletes are blisters, turf burn, athlete’s foot, sun exposure, and a type of acne called acne mechanica. “Athletes who are aware of these five common issues can take action to prevent the vast majority of dermatologic problems they may encounter,” said Dr. Brian Adams, professor and chair of dermatology at the **University of Cincinnati** College of Medicine.



Generic Transplant Drugs as Good as Name Brand

May 5, 2015

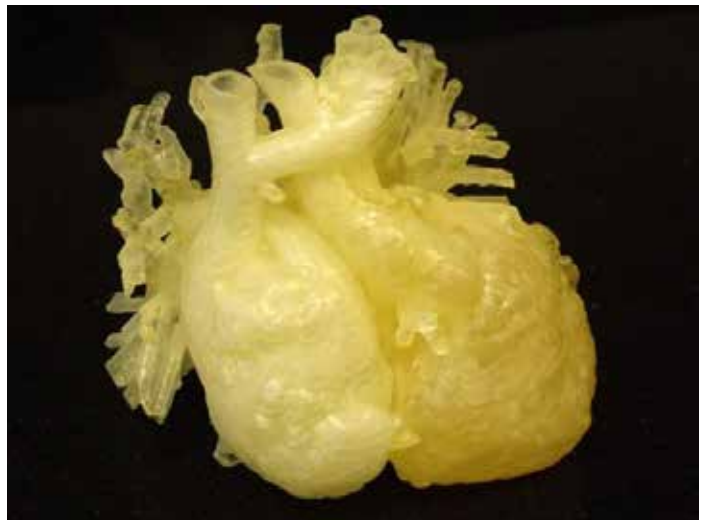
A **University of Cincinnati**-led research team has found that generic formulations of tacrolimus, a drug used post-transplant to lower the risk of organ rejection, are just as good as the name-brand version.



3D Printed Heart Models Helping Doctors Optimize Surgical Plans for Complex Operations

March 24, 2015

A team of doctors at Cincinnati Children’s Hospital Medical Center are exploring new avenues to improve surgical preparations and patient care. The hospital recently partnered with the **University of Cincinnati**’s College of Engineering and Applied Science (CEAS) to produce a 3D printed heart model of a patient with a rare, life-threatening heart condition. 3D printed anatomical models derived from patient scans enable doctors to “practice” surgery in advance and assess possible complications for delicate procedures, improving the outcome of operations.



Here's What This UC Grad's Exercise Machine Has in Common with the iPhone

May 7, 2015 — By Andy Brownfield

Ryan Eder, an industrial design student at the **University of Cincinnati** College of Design, Architecture, Art and Planning, or DAAP, decided to make exercise equipment that anyone can use the focus of his senior thesis. He spent that year building his exercise machine, renting wheelchairs to test it out himself, working with paraplegics and seeking feedback. Then, in 2007, he entered it in the International Design Excellence Awards under the student category. That prompted Eder to turn his student design thesis into an actual business, and IncludeFitness was born.

THE STACK

U.S. Postal Service Shortlists 'HorseFly' Octocopter Drone Delivery Service

April 21, 2015 — By Martin Anderson

The U.S. Postal Service is currently fielding bids from vehicle manufacturers to develop new vehicles and delivery methods for its fleet, and an interesting outsider has made its latest shortlist — the octocopter drone designed and built by the **University of Cincinnati** College of Engineering and Applied Science, and developed by UAV specialists Workhorse Group, Inc.

Kelly Cohen, an associate professor of aerospace engineering and engineering mechanics at UC, observed "With the HorseFly project, we developed a brand-new aircraft and airframe from scratch, and we built the system with the ability to look into different applications. Now we can build a family of octorotors and find out the best possible configuration. There is no textbook on multicopter aircraft design. Here we have been pioneering this effort, and we've come up with something successful."



Challenges for Anthropologists When They're the Expert Witness

March 25, 2015 — By Dawn Fuller

The roles of cultural anthropologists as expert witnesses gets a national hearing of its own, as researchers examine how cultural anthropology is applied in the courtroom. Leila Rodriguez, a **University of Cincinnati** assistant professor of anthropology, examines the issues based on her own experience testifying in a sexual abuse case against a Mexican immigrant.

From Food Waste to Fuel, UC Does Energy Sustainability Better

April 22, 2015 — By Ashley Duvelius

It's estimated that a third of all food produced in the world is never consumed. The United States alone wastes 40 percent of all food, worth an estimated \$165 billion. This alarming figure led the **University of Cincinnati** College of Engineering and Applied Science researchers to investigate alternatives to landfilling organic wastes.



A UC team launched a pilot plant that has diverted 660 pounds of food waste generated from UC's Center Court Dining Center for research. The researchers have since developed a breakthrough synergistic technology that uses anaerobic digestion to turn nutrient-rich organic materials into fuel (biogas), fertilizer, or soil conditioner, while using the carbon dioxide fraction of the biogas to grow algae. Simultaneously, lipid oils in the algae are also extracted and converted to biodiesel.

Women and Girls Gain Super Powers in Movies and TV

Sept. 27, 2015 — By James Murray

Women are gaining on television and movies with growing 'Super Power' roles. Female characters portrayed in two popular TV shows not only are competing for powerful ratings (and advertising dollars) among the networks, but also are exemplifying how women are gaining equality in superhero fiction. Rebecca Borah, a **University of Cincinnati** associate professor of English and comparative literature, says, "In a post-'Buffy the Vampire Slayer' television world, females are finally becoming major characters to their male counterparts." She cites examples from NBC's "Grimm" TV series as well as ABC's "Marvel Agents of S.H.I.E.L.D."

Hookah Steam Stones Contain Cancer-Causing Elements

May 12, 2015 — By Ann Thompson

A **University of Cincinnati** researcher, studying the safety of hookah steam stones, has found residues of toxic metals in simulated smoking scenarios. Hookah steam stones are billed by the companies who make them as "hookah without the tobacco risk," and commonly considered a safer alternative to cigarette smoking. But Amberlie Clutterbuck, a UC doctoral student, found residues of toxic metals that included chromium, arsenic and cadmium.

Laser Shock Peening Improves Fatigue and Durability of Aircraft Structures

May 22, 2015 — By David Belforte

University of Cincinnati researchers and Airbus engineers have developed a laser shock peening technology in which several lasers simultaneously focus beams of infrared light on sections of aluminum, titanium, or nickel-based superalloy components. The beams deeply compress and change the structure, altering the physical and mechanical properties and increasing strength, durability, and corrosion resistance.



Makeup, Cosmetics Can Have Hidden Side Effects

April 22, 2015 — By Jordan Burgess



Have you ever stopped to look at what's in your makeup? "We have plenty of patients who present with skin rashes, eczema that turns out to be sensitization to one or more ingredients in these personal care products," the **University of Cincinnati's** Dr. Jonathan Bernstein said.

THE CINCINNATI ENQUIRER

Sheriff Quietly Takes Over Suburban Beats

March 1, 2015 — By Kimball Perry

Cooperation is growing. However, not everywhere, **University of Cincinnati** Criminal Justice Professor Nicholas Corsaro said. While finances may have forced many smaller jurisdictions to outsource its policing in the past few years, that trend is slowing. "We don't see growth in it. We thought we would with the Great Recession but didn't," said Corsaro, also research director of the Washington, D.C.-based Police Foundation, an umbrella group that fosters innovation and improvement in U.S. policing.

"Those do seem to have quite a few benefits," Corsaro said. Frankly, he added, residents aren't interested in how the service is provided as long as they feel safe. "When citizens call 911, they don't really care who comes. They just want them to come."

Dayton Daily News

Drug Treatment Rare in Prison for Now

April 5, 2015 — By Amanda Seitz

Drug treatment can help prevent inmates from committing future crimes, but prisons also need to work on improving other therapy and programs, said Ed Latessa, director for the School of Criminal Justice at the **University of Cincinnati**. Latessa currently is working on a study of the state's prison programs

UC Economics Center: City of Cincinnati Population Growing Again

March 30, 2015 — By Chris Wetterich

After decades of population flight and disinvestment, the city of Cincinnati's population is poised to grow modestly by the 2020 Census, according to a study done by the **University of Cincinnati** Economics Center. The city's population is expected to grow to 301,051 by 2020, according to the study.



Use of Hookah Steam Stones Could Lead to Dangerous False Sense of Security

May 12, 2015

New research suggests the use of hookah steam stones — commonly considered a safer alternative to cigarette smoking — could be leaving users with a dangerous, false sense of security. The findings out of the **University of Cincinnati** are published this month.



UC Student Housing Complex Ranks for Luxury

March 31, 2015 — By Sydney Benter

Morgens Hall is ranked as the seventh most luxurious student housing building. The building is now LEED (Leadership in Energy and Environmental Design) certified. There are lots of green-living touches and thousands of high-tech glass panels. "They actually reflect sunlight, reducing the heat gain in the buildings and increasing the energy efficiency of the building," says Todd Duncan, assistant vice president of housing at the **University of Cincinnati**. "I live in Morgens Hall. It's beautiful. It's luxurious. It has everything I ever wanted," says Mallory Condon, a resident assistant.



Patients with Doctors Who Review Meds with Them Are Healthier

April 2, 2015 — By Cedric Ricks

Physicians who routinely review with their patients the medications they should be taking are more likely to have patients adhere to their medications and achieve health goals, according to a **University of Cincinnati** heart researcher.

AFRL's Sweat-Sensor App Breaks New Ground in Bio-Monitoring

March 16, 2015 — *By Kevin McCaney*

Smartphone apps that monitor health and fitness are increasingly popular, from devices used to monitor specific diseases, like diabetes, to those that keep track of weight or exercise. The Air Force Research Lab is on the verge of going one better, with a system that tracks many of the same biomarkers as a blood test, but does it by monitoring sweat.

Yes, sweat. The system uses a sensor that looks like a Band-Aid, which collects a sample of a person's perspiration and relays that information wirelessly to a smart phone. AFRL, working with the **University of Cincinnati's** Novel Devices Laboratory, recently completed the first successful test of its prototype.

JOURNAL-NEWS

Former Editor Joins University's Hall of Fame

April 6, 2015 — *By Hannah Poturalski*

Former Cox Media Group editor Kira Lisa Warren will posthumously be inducted into the **University of Cincinnati** Department of Journalism's Hall of Fame. The UC Journalism Hall of Fame is reserved for UC alumni who have excelled in the profession of journalism, or individuals who have made a significant contribution to the study of journalism at UC. Jeffrey Blevins, head of the UC department of journalism, said Warren was a "pioneer" in the digital transformation of newspapers for Cox Media Group before her death in 2010.

THE CINCINNATI ENQUIRER

Treating Abuse Victims Could Curb Future Heroin Use

April 27, 2015 — *By Amy Scalf*

Trauma Focused Cognitive Behavioral Therapy can make a difference for children who have been traumatized, according to Dr. Erna Olafson, a **University of Cincinnati** associate professor.

everyday HEALTH

Six Ways Quitting Smoking Is Good for Your Heart

May 18, 2015 — *By Sara Altshul*

When you quit, you stop exposing your heart to poisonous chemicals. The toxins contained in cigarette smoke include arsenic, benzene, and formaldehyde. The chemicals can wreak havoc on the blood vessels throughout your body, lessen blood flow to the heart, and damage your heart muscle, says David Harris, MD, a cardiologist and assistant professor of internal medicine at the **University of Cincinnati** College of Medicine.

Don't Get Too Specific When Buying a Valentine's Day Gift

Feb. 11, 2015

Even people in long-term relationships get anxious during this time of year, if for no other reason than that they get stressed about what present to give their significant other. In that case, researcher Mary Steffel of the **University of Cincinnati** has some words of advice: Don't worry about trying to knock it out of the park and just concentrate on reaching base. What Steffel means is that people shouldn't be overly concerned with trying to find the so-called perfect gift when something not so specifically intended to match their sweetheart's personality will suffice. For example, when choosing a gift card, go with versatility. Steffel says research shows that personalization often works against the giver and that "recipients prefer more versatile gift cards regardless of how close they are to the giver."

SHAPE

Should You Ice a Sports Injury?

April 6, 2015 — *By Rachael Schultz*

It's not just about comfort. Less pain allows you to be more active, engaging the muscle and furthering rehabilitation, says Rose Smith, certified physical therapist and associate professor of rehabilitation sciences at the **University of Cincinnati**. "Icing wouldn't allow someone to perform at the previous level, but it does help to allow rehab to continue," she adds. Once the swelling sets in, though, you should stop icing, start light exercise (like short walks), and elevate the muscle when not standing, Smith says.

BBC

How Spiders Create the Sounds of Love

May 23, 2015 — *By Victoria Gill*

Alexander Sweger and Professor George Uetz from the **University of Cincinnati** recorded the percussive courtship display of the so-called purring wolf spider. They played the male spiders' call to females, revealing that they used leaves to transmit sound. The researchers think this could provide clues about the earliest evolution of sound-based communication.

Science Newline Physics & Chemistry

All Shook Up for Greener Chemistry

June 1, 2015

Solvent-free chemistry, more common in Europe and Asia, is gaining notice among American manufacturers due to environmental concerns and rising costs in reducing toxic waste. Research out of the **University of Cincinnati** finds that this sustainable approach to chemistry, while noisier, can be just as reliable for chemical reactions without the drawbacks. Plus, its recycling ability cuts costs on investing in expensive reagents.



University of Cincinnati, Army ROTC Sign Charter to Fight Sexual Assault Together

April 7, 2015 — *By Bob Driehaus*

Lt. Col. Jason Bender has witnessed the destruction wrought by sexual assaults during his 20 years in the Army and during 13 years of wars in Iraq and Afghanistan. **University of Cincinnati** Vice President of Student Affairs Debra Merchant has helped victims of assaults on **University of Cincinnati's** campus pick up the pieces of their lives. Tuesday, the two vowed to strengthen coordination between the ROTC and UC to change the culture of campus and military life and aspire to eradicating assaults and sexual harassment at UC and within the ROTC on campus.



UC-Led Obesity Research Finds Leptin Hormone Isn't the Overeating Culprit

May 18, 2015

For years, scientists have pointed to leptin resistance as a possible cause of obesity. Research led by investigators at the **University of Cincinnati** Metabolic Diseases Institute, however, found that leptin action isn't the culprit.

THE CINCINNATI ENQUIRER

Cincinnati-Made Movie: No Budget, No Crew, No Problem

Feb. 2, 2015 — *By Amanda Van Benschoten*

"One of my favorite things about the film is that it's shot here in Cincinnati," said Brian Crone, 27, the film's co-producer, business manager, and a civil engineer pursuing a doctorate at the **University of Cincinnati**. "I love this town. It's the town that created me in a lot of ways. To be able to show the world what beauty we have here — we hope to show the heart of Cincinnati."



UC DAAP Students Plan Annual Fashion Show

April 29, 2015 — *By Perry Schaible*

The **University of Cincinnati** DAAP program is often recognized for its development of young talent in the fashion world. That talent will be on display during the 64th annual fashion design show. About 30 seniors and some underclassmen will show more than 300 garments.



Air Scrubber Plus Brings Space Age Technology Down to Earth

April 7, 2015

Air Scrubber Plus is the only environmental technology that is proven to reduce contaminants in the air and surfaces of the home. Thanks to the product's proven track record (in studies conducted by the **University of Cincinnati** Center for Health-Related Aerosol Studies and Kansas State University), Air Scrubber Plus is poised to bring its groundbreaking technology to homes, hospitals, schools, and offices across the country.



Researchers Examine Effects of Flame Retardants

May 1, 2015 — *By Katie Pence*

There's nothing like napping on the couch during a lazy weekend or lounging cozily while watching your favorite sporting event on television. But Susan Kasper, associate professor in the Department of Environmental Health at the **University of Cincinnati** College of Medicine and a member of the UC Cancer Institute, says those comfy couch or chair cushions—or more so what's on them—may potentially lead to cancer down the road.



Companies Must Teach Employees How to Swim in New Oceans of Data

May 2, 2015 — *By Katherine Noyes*

"Today's workforce needs to be more data-savvy," said Jeffrey Camm, a professor of business analytics at the **University of Cincinnati**. "As I see it, there are two real workforce training needs: the data analysts and the consumers of the analyses," Camm said. For the former group, there are now more than 100 master's degree programs in analytics and data science, up dramatically from just a few years ago. "Higher education has listened to industry and has developed some very good programs in analytics," he said.



Record Crowd at Niehoff for Burnet Woods

April 30, 2015 — *By John Yung*

Over 150 people gathered at the Niehoff Urban Design Studios in Corryville to see and hear what **University of Cincinnati** design students had come up with on a reimagining of Burnet Woods.

CityBeat

UC's New Innovation Center Breathes Life into 1920s Sears Store

April 8, 2015 — *By Chris Charlson*

Imagine a classic 1920s storefront window complete with mannequins posed in their finery. Now imagine a new type of display — a space filled with buzzing drones, giant 3D printers and announcements of the latest medical breakthroughs. Welcome to the dichotomy soon to be known as of the **University of Cincinnati**'s new innovation center.

University trustees recently approved \$16 million in funding to transform Cincinnati's first Sears, Roebuck & Company department store building into a research accelerator. The Art Deco style structure, originally constructed in 1929, most recently served as UC's Campus Services Building.



THE PLAIN DEALER

Cleveland's Struggles Come Alive in "Where the River Burned"

April 8, 2015 — *By Joanna Connors*

When they began work on their terrific book, "Where the River Burned" (Cornell University Press), brothers and co-authors David and Richard Stradling intended to create an environmental history of the Cuyahoga River, "one that centered on the river's long and troubled relationship with the industrial city it helped create." Not long into their research, however, they discovered that the polluted river — and its infamous fire of 1969 — was just the most memorable evidence of a city plunging into crisis on many fronts in the 1960s.

David Stradling, a professor of history at the **University of Cincinnati**, and Richard Stradling, an editor at the News and Observer in Raleigh, North Carolina, find that many of the issues of the Stokes era remain. But they also look forward, to the challenges Cleveland now faces as it transitions once again, this time to a "sustainable city."

THE CINCINNATI ENQUIRER

Boom in Hotel Tax Money Means More Cash for Tourism

Feb. 17, 2015 — *By Dan Horn*

The hotel tax, which bankrolls much of the county's convention and tourism work, is seen as a barometer for the health of the region's economy. The county charges a 6.5 percent hotel room tax, so more money from the tax means more people are traveling, visiting and spending in the region. "It means households and businesses have money to spend," said Julie Heath, director of the **University of Cincinnati**'s Economics Center.



2015 UC Spring Commencement Ceremony

It's graduation day for thousands of students at the **University of Cincinnati**. UC held its 2015 Spring Commencement on Saturday. More than 6,400 degrees were awarded, which is a new record. Family members and friends of the graduates packed Fifth Third Arena.



Small-Town Mystery: Why Austin, Ind., Is Heart of HIV Outbreak

April 3, 2015 — *By Geoff Williams*

Of course, there are a lot of small towns that have IV drug use and prostitution, and the problems in Austin have been brewing for years, residents say. So why now? In neighboring Ohio, Judith Feinberg, M.D, a professor who specializes in infectious disease at the **University of Cincinnati** College of Medicine, has a theory.

She thinks that there is probably an individual, maybe two people, who is newly infected or possibly someone who has advanced HIV and recently began spreading the virus to numerous fellow IV drug users in the community with a dirty needle or through unsafe sex. People who engage in those two activities are most at risk for HIV infection, so if the virus enters one of those groups, the number of people who contract it can skyrocket.



New Spider Purrs Like a Cat to Attract a Mate

May 30, 2015 — *By Mary Nichols*

George Uetz and Alexander Sweger of the **University of Cincinnati** discovered a new species of wolf spider that can produce audible mating songs, which sound very similar to a purring cat.



UC Researcher to Council: Cincinnati Shootings at a Nine-Year High

May 28, 2015 — *By Fernanda Crescente*

Just hours before a 15-year-old was gunned down in Walnut Hills Tuesday, a **University of Cincinnati** researcher told the Law and Public Safety Committee that shootings in the city are at a nine-year high. “We are trending, right now, unfortunately, in the wrong direction,” said Robin Engel, who directs the Institute of Crime Science at UC and has worked extensively with the Cincinnati Police Department for years to understand violent crime.



Dayton Daily News

College Look at Ways to Help Students Avoid Loan Trouble

April 11, 2015 — *By Amanda Seitz*

This week, students at **University of Cincinnati** got their first stab at paying off their student loans during the school’s first ever “financial empowerment summit.” The school invited financial aid experts to tell students about their loan repayment options and to share other money advice. Expect to see more events aimed at helping students avoid loan trouble, said Caroline Miller, the vice president for enrollment management at UC. “We’re becoming more purposeful,” Miller said of informing students about loan debt.



Fernando Bermudez and Other Wrongly Convicted Fight for Compensation

April 12, 2015 — *By Erik Ortiz*

The Ohio Court of Claims awarded Rickie Jackson about \$2 million based on the state’s payment formula of \$40,330 per year, adjusted for inflation, as well as lost wages. The first \$1 million was a down payment, after a 2012 state law requires a wrongfully imprisoned person to receive 50 percent of the money owed in an expedited manner, said Mark Godsey, director of the Ohio Innocence Project, which helped to free Jackson.

“It’s very, very difficult to qualify” for compensation, said Godsey, a professor at the **University of Cincinnati** College of Law. “You say \$50,000 a year and lost wages is no way near making up for missing almost 40 years of your life, but there are states with no compensation at all,” he added.

American Laboratory

Scientists Find No Difference Between Generic and Brand-Name Transplant Drugs

May 4, 2015

A **University of Cincinnati**-led research team has found that generic formulations of tacrolimus, a drug used post-transplant to lower the risk of organ rejection, are just as good as the name-brand version.

THE CINCINNATI ENQUIRER

Tea Party Rally Targets Booming I-75 Corridor

April 14, 2015 — *By Michael Clark*

University of Cincinnati Political Science Professor David Niven agreed, saying the northern communities comprise “probably the richest concentration of conservatives, and we obviously see a lot of Tea Party strength in Butler and Warren counties.”

THE HUFFINGTON POST

Why the FDA Doesn’t Really Know What’s In Your Food

April 14, 2015 — *By Erin Quinn and Chris Young*

James O’Reilly, a professor at the **University of Cincinnati** College of Law, says the FDA essentially abdicated its responsibility as a food regulator in 1997, when it proposed rules to streamline a more robust review process that had become backlogged. The rules, he says, are a “sham.” The system the rules created, which still operates today, excuses the FDA from actually declaring ingredients are safe. Instead, when companies determine their ingredients are safe, and then seek FDA review of that determination, the agency’s response is simply that it has “no questions.”

The Philadelphia Inquirer

Tax Day Mystery: In the Internet Era, Why Can’t You Just File Free Online?

April 15, 2015 — *By Jeff Gelles*

“When you make an appointment for a car to get serviced, the service history is all there. Since the IRS already has all that info anyway, it’s not a big challenge to put it in a format where we could see it,” said Paul Caron, a tax professor at **University of Cincinnati** College of Law. “For a big slice of the population, that’s 100 percent of what’s on their tax return.” Taxpayers would have three options when they receive a pre-filled return: accept it as is; make adjustments, say to filing status or income; or reject it and file a return by other means.



UC Researcher Receives Grant of Almost \$1.6 Million to Study Rare Lung Disease

April 15, 2015

A team of **University of Cincinnati** researchers will use a grant of almost \$1.6 million from the National Heart, Lung, and Blood Institute of the National Institutes of Health to study the rare lung disease pulmonary alveolar microlithiasis.

Can Medical Marijuana Combat Epilepsy?

March 3, 2015 — By Barrett Brunsman

Separate clinical trials to determine whether medical marijuana can help ward off seizures in people with epilepsy will begin soon at the **University of Cincinnati** and Cincinnati Children's Hospital Medical Center. "We're interested in new potential treatments, (but) a lot of testing needs to be done," said Dr. Michael Privitera, director of the Epilepsy Center at the UC Neuroscience Institute.

DAILY @ NEWS

Hookah Steam Stones Contain Potentially Toxic Metals

May 12, 2015 — By Erica Pearson

A trendy product called "steam stones" delivers a cloud of sweet, flavored hookah smoke without the tobacco — but it doesn't protect users from inhaling potentially toxic metals. Often marketed as a "healthy" way to smoke hookah, steam stones are porous minerals soaked in glycerin and flavors and loaded into hookahs instead of molasses-saturated shisha tobacco. Most brands do not contain nicotine.

However, **University of Cincinnati** researchers found that smoking a hookah loaded with the stones delivers a cloud of toxic metal residue — including chromium, arsenic and cadmium — from the charcoal used to keep the pipe burning.



In Heavily Fracked Ohio County, Unsafe Levels of Toxic Pollutants

May 20, 2015 — By David Hasemyer

Emissions generated by fracking operations may be exposing people to some toxic pollutants at levels higher than the U.S. Environmental Protection Agency considers safe for long-term exposure, according to scientists from Oregon State University and the **University of Cincinnati**. The researchers took air samples in Carroll



County, the home of 480 permitted wells — the most in any of Ohio's 88 counties. The team found chemicals released during oil and gas extraction that can raise people's risk of cancer and respiratory ailments.



The Answers to Extinction, Survival and Evolution Are in Kentucky Dirt

April 17, 2015

Ken Tankersley, an associate professor of anthropology and geology at the **University of Cincinnati**, happily admits that bones are in his bones. He has been studying how ancient species survived or died off in their old Kentucky home at Big Bone Lick State Park in north-central Kentucky. Man began to rip down the forests over 5,000 years ago and changed the environment forever. Erosion increased dramatically, and silt began filling in the Ohio River Valley. A lot of the essential plant life was destroyed. "At that point animals had to either move, evolve, or they simply died off," said Tankersley.

But why did some of this region's former inhabitants evolve into present-day animals, while others simply died off? By digging through layers of soil, scavenging around in creek bottoms, and scraping specimens from bone fragments, the researchers unearthed a treasure trove of ancient specimens, some over 25,000 years old.



Human vs. Digital Dissection for Medical Students

April 20, 2015 — By Ann Thompson

An increasing number of medical schools are incorporating digital dissections into their curriculum. But the **University of Cincinnati** is not one of them. It says this is a case where technology is not better. Instructors say a hands-on approach is key.



USA TODAY

A GANNETT COMPANY

New Postal Service Fleet Could Include Drones

April 21, 2015 — By Andy Medici

The electric delivery truck is called Workhorse while the drone that carries the packages is called HorseFly and is a product of a years-long partnership between the company and the **University of Cincinnati**, which has an unmanned-vehicle research program. Cutting down on the time needed to complete a route and delivering more packages during that time could save the U.S. Postal Service a lot of time and money. The fifth generation of the HorseFly drone — its most current incarnation — weighs about 15 pounds and can carry a 10-pound package in extendable cages that lock together during flight. The drone can fly up to 50 miles an hour but will spend most of its time flying at about 35 miles an hour.



'Purring' Wolf Spiders Softly Serenade Mates

May 28, 2015 — *By Laura Geggel*

Male wolf spiders use "purring" vibrations to serenade their sweethearts, but this wooing only works if the females can feel these vibrations, new research from the **University of Cincinnati** finds. For the females to feel these vibrations, the courting couple must be standing on a suitable surface that can vibrate, like dry leaves.

MEN'S JOURNAL

How to Pick the Best Sports Shoe for You

April 21, 2015

A **University of Cincinnati** study this spring found that for people without foot injuries, a lighter, more minimal sneaker with a lower heel helps make feet stronger and more responsive.



Can't Get to the Doctor? Flo-Bot Brings Medical Care to Patients

April 17, 2015 — *By Gretchen MacKnight and Mark Bowen*

The **University of Cincinnati's** College of Nursing is on top of the telehealth trend, partnering with Maple Knoll Village retirement community in Springdale to incorporate telehealth into its residents' care. One of their key tools: a robot, nicknamed Flo-Bot in honor of Florence Nightingale.



Researchers Develop Low-Cost, Tunable Window Tintings

June 2015

Technology developed by the **University of Cincinnati** and industry partners can do something that neither blinds nor existing smart windows can. This patent-pending research, supported by the National Science Foundation, will lead to low-cost window tinting which dynamically adapts for brightness, color temperatures and opacity (to provide for privacy while allowing light in).



Airbus and University of Cincinnati Use Lasers to Fortify Aircraft Components

May 18, 2015

University of Cincinnati researchers have partnered with Airbus to develop metals that are more durable and less sensitive to corrosion, for aircraft components and structures. The team is using a laser shock peening process that shoots infrared light beams on to pieces of metal to alter its physical, mechanical and environmental properties, while increasing its longevity.



Chronic Migraines Take Big Toll on Families, Survey Finds

April 22, 2015 — *By Anita Flanagan*

Dr. Vincent Martin, co-director of the Headache and Facial Pain Program at **University of Cincinnati** Neuroscience Institute, said, "These results are similar to those published in 1998 suggesting that 60 percent of patients with migraine believe their families are significantly affected by their migraines." This included seven fewer days a month of participation in family activities, more than six days a month of less enjoyment with partners, and just over four days a month of canceled plans.

THE CINCINNATI ENQUIRER

Home Sales Surged Locally in March

April 27, 2015 — *By Emilie Eaton*

Home sales in Greater Cincinnati surged 12 percent in March compared to the same month last year. They rose nearly 19 percent in Northern Kentucky. The strong results reflect "continued recovery in the real estate market," said Shaun Bond, the director of the



University of Cincinnati Real Estate Center. "There was a lot of pent up demand during the recession and the real estate crisis. In the last 18 months, we're seeing people move back in. They're ready to buy a property."



Study Links Low and High Levels of Manganese to Lower IQ Scores in Children

April 23, 2015 — *By Keith Herrell*

Both low and high levels of manganese in blood and hair were associated with lower IQ scores in children living in eastern Ohio, according to new research from the **University of Cincinnati**.



University of Cincinnati Biochemistry Major to Graduate at 17, Medical School Is Next

April 23, 2015 — By Jessica Cohen

To call Ismail Gunacar driven would be an understatement. In a few weeks, the 17-year-old Turkish native raised in West Chester Township, will graduate from the **University of Cincinnati** with a degree in biochemistry. You read that right. Gunacar, who goes by Ish, will be the youngest person to graduate from the UC's McMicken College of Arts and Sciences with a bachelor of science degree. He will be the second youngest graduate in UC's history, joining Darwin T. Turner who graduated at 16.

Neurology Advisor

Post-Stroke Cognitive Decline Worse with Sleep Apnea

April 23, 2015 — By Alicia Ciccone

A majority of stroke and transient ischemic attack patients also have sleep apnea, Jennifer R. Molano, MD, of the **University of Cincinnati**. Although it's well established that stroke can cause cognitive problems, sleep apnea may also cause problems with attention, executive functioning, and daytime sleepiness, prompting Molano and colleagues to question if a combination of both conditions would result in worse cognitive function.



How Could Burnet Woods Become Cincinnati Best Public Space?

April 24, 2015 — By Chris Wetterich

About 13 months ago, Mayor John Cranley said he wanted to see Burnet Woods in Uptown reimagined into a more welcoming place that is more pedestrian friendly both on the outside and inside. **University of Cincinnati** students studying engineering, architecture, planning and other disciplines working out of the Niehoff Urban Studio delivered that and more after they spent the last year reimagining the 90-acre city park. Among the students' proposals: an amphitheater, a variety of restaurants, urban farming and a land bridge to create a seamless connection between UC's campus and Burnet Woods.



Researchers Harness the Power of Mobile Devices to Teach Kids about Safety

April 26, 2015 — By Carla Kemp

Dr. Cinnamon Dixon and her colleagues from the **University of Cincinnati** conducted a randomized, controlled trial of 60 kindergartners to determine whether the game app, called iBsafe (interactive Bite and Bike safety), improves children's knowledge of bicycle and dog bite safety and their safety skills.



No Statistical Evidence that a Waiting Period for Handgun Purchases Reduces Violence

April 27, 2015 — By Tom Kertscher

A study by one researcher from the **University of Cincinnati** and another from Arizona State University found no statistical effects from waiting periods on gun crimes.



New Study Reveals Socioeconomic Changes in the Nation's Neighborhoods Over Time

April 29, 2015 — By Dawn Fuller

As the nation endured two brutal recessions and the housing bubble crisis in this century's first decade, emerging research indicates that the Northeast and western sections of the nation fared better than the Midwest and the South in terms of changing socioeconomic status. Overall, however, the average change across the nation was relatively positive, with growing numbers of Americans achieving college degrees and working professional jobs. That's according to Jeffrey Timberlake, a **University of Cincinnati** associate professor of sociology, and Alan Grigsby, a UC doctoral student.



UC DAAP Students Plan Annual Fashion Show

April 29, 2015 — By Perry Schaible

The **University of Cincinnati** DAAP program is often recognized for its development of young talent in the fashion world. That talent will be on display during the 64th annual fashion design show. About 30 seniors and some underclassmen will show more than 300 garments. Those looks will be presented on professional models that will walk a 92-foot catwalk. No, this is not your typical college fashion show.

Couch Cushions and Cancer: Researchers Examine Effects of Flame Retardants

April 30, 2015

There's nothing like napping on the couch during a lazy weekend or lounging cozily while watching your favorite sporting event on television. But Susan Kasper, associate professor in the Department of Environmental Health at the **University of Cincinnati** College of Medicine and a member of the UC Cancer Institute, says those comfy couch or chair cushions — or more so what's on them — may potentially lead to cancer down the road.

COMPUTERWORLD

Companies Must Teach Workers to Swim in New Oceans of Data

May 1, 2015 — *By Katherine Noyes*

"Today's workforce needs to be more data-savvy," said Jeffrey Camm, a professor of business analytics at the **University of Cincinnati**. "Not everyone needs to be a data scientist, but nearly everyone will need to learn to utilize the data to make more data-driven decisions."

The **University of Cincinnati** offers a variety of professional development courses in data and analytics that are open to the public, including titles like "Advanced Data Mining," "Analytics in Excel" and "Prescriptive Analytics: Building and Solving Optimization Problems."



Think Romantically But Shop for Versatility this Valentine's Day

Feb. 11, 2014

Researchers from the **University of Cincinnati** show that thoughtful lovers' burning desire to show off just how well they know their partner could backfire. So instead, think romantically but shop for versatility. "When it comes to choosing gifts for close others, like romantic partners, givers try especially hard to be thoughtful and demonstrate their knowledge of their partner," said Mary Steffel, assistant professor of marketing.

Ironically, these attempts to be thoughtful can be misguided. "We find that givers tend to choose more specific, less versatile gift cards when shopping for romantic partners than friends, but that recipients prefer more versatile gift cards regardless of how close they are to the giver," Steffel explained.



Are We Ready to Move Greater Cincinnati and Its Families from Surviving to Thriving?

May 29, 2015 — *By Lucy May*

People of Greater Cincinnati, try to wrap your heads around this prediction. By the year 2020, four out of every seven women in this region will work at jobs that pay such a low wage, they won't be able to afford to support themselves and one child without government assistance. You read that right: Four out of every seven. That's according to research conducted by the **University of Cincinnati**.

AP Associated Press

Declaration of Independence Broadside Set for Ohio Display

May 2, 2015 — *By Lisa Cornwell*

A retired **University of Cincinnati** history professor, specializing in the American Revolution, expects the broadside will likely draw "real interest" from the public. John K. Alexander said people are naturally attracted to items that aren't modern-day reproductions. "This actually was printed during the era of the American Revolution," he said. "That is the kind of thing that people are drawn to, particularly where it hasn't been known to have existed," he said.



THE CINCINNATI ENQUIRER

Medical Studies to Help Kids Funded at UC, Children's

April 24, 2015

Two studies — one to treat obesity in youth with bipolar spectrum disorders and one to investigate methods to help children with arthritis — are coming to the **University of Cincinnati** and Cincinnati Children's Hospital Medical Center, thanks to a \$14.3 million award from the Patient Centered Outcomes Research Institute.



Generic Just as Good as Name Brand when it comes to Anti-Rejection Drug

May 4, 2015 — *By Mark Johnson*

A study led by researchers at the **University of Cincinnati** has found that generic versions of the anti-rejection drug tacrolimus work just well as the brand name. The study, funded by the U.S. Food and Drug Administration, involved 70 kidney and liver transplant patients. The patients were given either the brand name tacrolimus or one of two generic versions.



Going Grocery Shopping? Eat an Apple First

May 4, 2015 — *By Schuyler Velasco*

Researchers also tested an approach that rewarded children with prizes for eating more vegetables, and found that the smiley face method was far more effective. The findings are a hopeful sign for nutrition advocates, because they hint at concrete ways of changing people's habits with minimal investment. Particularly for programs in low-income neighborhoods and public schools, that could be invaluable. "It looks like we found a very promising, low-cost and effective way of improving the nutrition of elementary school children," Robert Siegel, the lead researcher of the Cincinnati school study and a pediatrics professor at the **University of Cincinnati**, said.

University of Cincinnati Celebrates New Record

The **University of Cincinnati** surpassed a record this weekend. More than 6,400 degrees were awarded at the university's commencement ceremonies on Friday and Saturday. That beats the record of more than 6,300 degrees set last spring.



UC's Co-op Program Will Soon Extend to Fine Arts Students

May 5, 2015 — *By Cindy Damschroder*

At the **University of Cincinnati**, the birthplace of cooperative education, co-ops have long been associated with engineering, architecture and design. But what about fine arts? A new initiative at UC adds co-op to the requirements for a degree in fine arts starting next fall, exposing a new generation of art students to a proven pathway to career success.



Flawed Methane Monitor Underestimates Leaks at Oil and Gas Sites

May 5, 2015 — *By Lisa Song*



A popular scientific instrument used to measure methane leaks from oil and gas operations severely underestimates emissions under certain conditions, a preliminary study found. The results could have major implications for federal policies as the Obama administration moves to regulate methane from the natural gas industry. "It could be a big deal," especially if it turns out the EPA is

underestimating methane leaks, said study co-author Amy Townsend-Small, a geology professor at the **University of Cincinnati**.

New Study Finds High Hydrocarbon-Based Pollution from Drilling in Carroll County

May 8, 2015 — *By Bob Downing*

Drilling in Ohio's Utica Shale is contributing to air pollution in Carroll County and could raise the health threat and cancer risk to residents, according to researchers involved in a new study. But the number of air samples collected by researchers from the **University of Cincinnati** and Oregon State University is too small to determine the risk from the hydrocarbon-based compounds, and additional testing is recommended.



Financial Indicators Say Butler and Warren Counties Out of Economic Woods

May 8, 2015 — *By Denise Callahan*

Michael Jones, assistant economics professor at the **University of Cincinnati**, said consumer spending and jobs are the two best indicators of the economy's health, but unemployment percentages — which are at 4.8 percent and 4.5 percent in Butler and Warren counties, respectively — can be deceiving. There is always the fact that some people might be under-employed since the recession, which doesn't exactly bode well for consumer spending. Jones said the important numbers to gauging economic recovery are actual numbers of employed people.

Jones has declared Warren County fully recovered with an average 105,400 people working, compared to 103,200 in 2007 prior to the recession. Butler County is still lagging a bit behind with an average 176,700 people working, which is 4,200 fewer people than 2007.



New Partnership to Develop Wearables with Sweat Biometrics

May 11, 2015 — *By Alex Perala*

A Cincinnati-based company specializing in sweat biometrics has found a partner in the clothing market. Virginia-based CoreSyte will incorporate Eccrine Systems' electronic patches into its athletic wear. Eccrine Systems is a relatively new company, having been formed toward the end of 2013, and it specializes in an unusual form of biometrics. The company says it is working on "non-invasive, disposable, electronic patches that measure and transmit real-time data about human sweat." Its technology is actually the product of research originally undertaken at both Air Force Research Labs and the **University of Cincinnati**.

Figuring Out When a Metro Bus Is Coming Is About to Get Much Easier

April 29, 2015 — By Chris Wetterich

Greater Cincinnati bus riders should be able to use their smart phones to track where their bus is sometime this year, a service that is already widely available in other cities. Called Metro*Now, the initiative is being spearheaded by **University of Cincinnati** graduate student Daniel Schleith and Nate Wessel, who has made well-liked maps of local transit and bike routes. Metro*Now will use tablet computers posted in local businesses near the busiest routes, such as coffee houses, bars and restaurants, to inform riders of the arrival time of nearby buses.



How to Teach Kids About Money: Start Small

April 14, 2015 — By Bob Driehaus

Your 7-year-old has a buck in her pocket that she earned doing chores. In front of her is her favorite candy bar. In the back of her head, your voice urges her to save the money for something special or even to donate it to charity. What do you do? “You let them make mistakes, which is sometimes the hardest part for parents,” said Julie Heath, director of the **University of Cincinnati** Economics Center.

“When you’re shopping, do some of your thinking out loud for their benefit,” Heath said. “If we buy this one, we don’t have enough money for that. You’re modeling for children what an appropriate decision-making process is. It can be a much more casual than sitting down and having ‘the talk.’”



Internist Speaks Volumes for Those Suffering in Silence

May 20, 2015 — By Ed Rabinowitz

Everyone needs an advocate, a champion. Someone taking up the fight on their behalf to correct an injustice that occurred or an imbalance that exists. Where HIV, AIDS, and women are concerned, that champion is Judith Feinberg, MD, a professor of internal medicine at the **University of Cincinnati** College of Medicine.

Feinberg is nationally renowned for her work on HIV and AIDS, and his contributed significantly to their effect on women. She has also brought to light the importance of working harder to include women of color in clinical drug trials designed to broaden the medical community’s knowledge about AIDS.



Cutting Toxic Waste: All Shook Up for Greener Chemistry

June 1, 2015

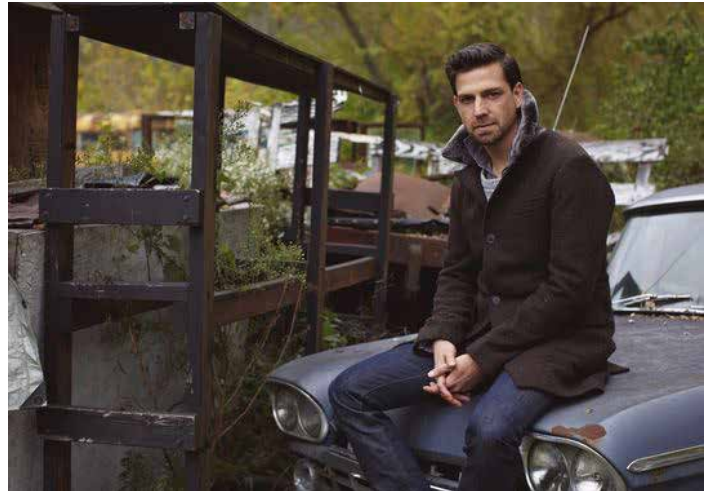
Solvent-free chemistry is gaining notice due to environmental concerns and rising costs in reducing toxic waste. Research out of the **University of Cincinnati** finds that this sustainable approach, while noisier, can be just as reliable for chemical reactions without the drawbacks.

THE CINCINNATI ENQUIRER

The Vintage Fashion Revolution: What’s Old Is New

May 15, 2015 — By Joel Beall

“Over the past five to 10 years, men’s clothing has evolved into more of a trendsetter role,” says Injoo Kim, associate professor at the **University of Cincinnati**’s fashion design program. “Vintage fashion influences more creative designs.”



University of Cincinnati and Airbus Land on the Right Equation

May 14, 2015

At the **University of Cincinnati**, the power of lasers is being harnessed to change the way we fly the friendly skies. Researchers S.R. “Manny” Mannava and Vijay K. Vasudevan, both professors in the department of mechanical and materials engineering in the College of Engineering and Applied Science, have joined in a unique partnership with Airbus to make airplanes more resilient, longer lasting and more efficient. In a nutshell, their research uses a laser to alter the physical, mechanical and environmental properties of a metal; making it stronger, more durable, and less sensitive to corrosion, while increasing its longevity. A sophisticated laser system shoots beams of infrared light at portions of a metal, typically aluminum, titanium or nickel-based superalloys that are used in aircraft structures and components. The laser deeply compresses and changes the structure of the metal, fortifying it.

USA TODAY

A GANNETT COMPANY

Study to Examine Mystery of How a Boy’s Voice Changes

Feb. 11, 2015 — By Anne Saker

The study was born in discussion about education tactics with Wendy LeBorgne, a voice pathologist, singing-voice specialist and adjunct assistant professor of musical theater at College-Conservatory of Music at the **University of Cincinnati**.

Blend of Polymers Could One Day Make Solar Power Lighter, Cheaper and More Efficient

March 2, 2015

A **University of Cincinnati** research partnership is reporting advances on how to one day make solar cells stronger, lighter, more flexible and less expensive when compared with the current silicon or germanium technology on the market.

USA TODAY

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Five Great Colleges for Studying Early Childhood Education

Feb. 17, 2015 — By Jon Fortenbury

It's all about flexibility at the **University of Cincinnati**. You can study early childhood education online or on the **University of Cincinnati** campus. If you choose the online option, you can earn an associate's or bachelor's degree in early childhood education anywhere and anytime you want. And if you pursue the bachelor's degree program in early childhood education on campus, you enjoy small classes and extensive field experience in a variety of classrooms, especially high-needs schools in the city, since the school has an urban mission. It's a great option for anyone anywhere, not just people who live in or plan to live in Cincinnati.



University of Cincinnati Researchers Work with Cincinnati Police to Tackle Prostitution, Violence

Feb. 22, 2015 — By Taylor Mirfendereski

The Cincinnati Police Department is working with **University of Cincinnati** researchers to determine if its initiatives — that included controversial barricading of streets — worked last year to take prostitutes and their customers off the street along part of McMicken Avenue in Over-the-Rhine.

HEALTHCANAL

UC Research Helps Advance Treatment of Patients with Rare Lung Disorder

May 30, 2015

Researchers at the **University of Cincinnati** and Cincinnati Children's Hospital Medical Center played a pivotal role in U.S. Food and Drug Administration (FDA) approval of the drug sirolimus for the treatment of lymphangiomyomatosis (LAM), a rare lung disorder primarily affecting women.

The Philadelphia Inquirer

Study Offers Novel Approach to Increasing Throwing Speed

May 29, 2015 — By Tracey Romero

"Traditionally the way people train the core is that they do static exercises — planks and holds — but when you look at the scientific literature, static holds don't improve sports performance," said lead author Thomas Palmer, assistant professor, Athletic Training Education Program, **University of Cincinnati**. "They have very little impact on power and strength. You want to get more of the specificity of the action taking place during throwing."



The Cincinnati HERALD

New Report Illustrates Uptown's Economic Muscle

May 29, 2015

An economic impact report just released shows Uptown Cincinnati having an annual economic impact of \$11.6 billion on the Greater Cincinnati region and an employment base second only to downtown. The report, prepared for the Uptown Consortium Inc. (UCI), by the **University of Cincinnati** Economics Center, was released as part of UCI's annual Uptown Business Celebration.



Fracking Releases "Cancer-Causing" Chemicals into the Air Way Above EPA Safety Standards

May 27, 2015 — By Natasha Khan

People living near shale gas operations in densely-fracked parts of Ohio may be getting exposed to dangerous levels of toxic air pollutants many times higher than the U.S. Environmental Protection Agency deems safe. Long-term exposure to these chemicals could raise the risk for developing cancer or respiratory issues. That's according to a new study from scientists at Oregon State University and the **University of Cincinnati**, who took air samples in Ohio's most fracked area, Carroll County, which hosts 480 permitted wells.

NEWS *clips*

Governmental Relations and University Communications' Newsclips exemplifies how the university's public relations and communications professionals seek to accurately reflect the quality of the institution by means of outreach to local, regional, national and international news media, in order to amplify and extend the University of Cincinnati's reputation.

**If you have news to share,
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Cincinnati, OH 45221-0039
513-556-6381; HRONESTP@ucmail.uc.edu

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513-556-3349; title9@ucmail.uc.edu