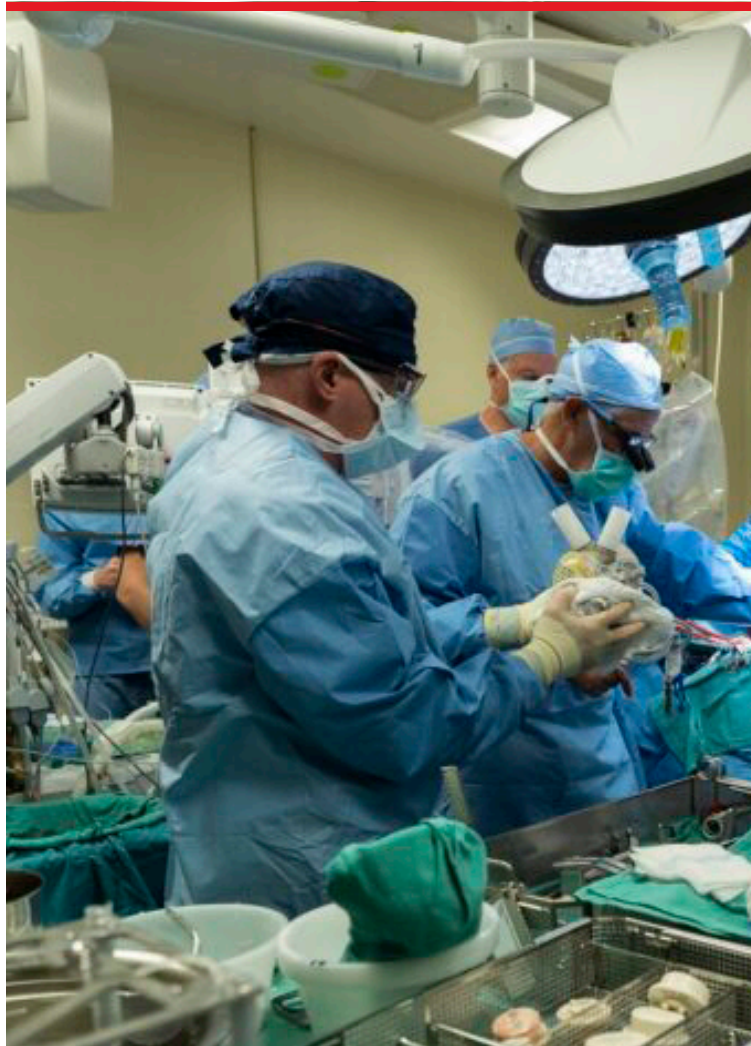




THE PRESIDENT'S REPORT

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FIRST-IN-WORLD HEART IMPLANT: WOMAN RECEIVES NOVEL TYPE OF ARTIFICIAL HEART AT UofL HEALTH - JEWISH HOSPITAL

A cardiothoracic surgical team with UofL Health - Jewish Hospital and the University of Louisville has performed the world's first Aeson bioprosthetic total artificial heart implantation in a female patient.

The investigational device, currently intended as a bridge to heart transplant, is part of an Early Feasibility Study (EFS) sponsored by CARMAT, a French medical device company, in partnership with UofL, UofL Health - Jewish Hospital and the UofL Health - Trager Transplant Center.

Led by cardiothoracic surgeons Mark Slaughter and Siddharth Pahwa, both of UofL Health - UofL Physicians and the UofL School of Medicine, the team performed the implant of the device on Sept. 14, 2021 at UofL Health - Jewish Hospital. The same team completed the nation's second implantation in a male patient last month, also at Jewish Hospital.

More than 3,500 individuals are awaiting a heart transplant in the U.S. and 900 of them are women. There are few treatment options for patients with biventricular heart disease, meaning both the left and right sides of the heart are not pumping blood adequately. The Aeson device is designed to solve the limitations of current left-ventricular assist devices, which pump blood in just one chamber, by pumping blood in both heart chambers.

"This world-first artificial heart implant into a female patient is another demonstration of UofL Health's commitment to provide both the world-class care of today and develop the world-class standards of tomorrow," said John Walsh, chief administrative officer of Jewish Hospital. "We celebrate this first as a milestone and recognize the hard work of Drs. Slaughter and Pahwa and the entire team. The true impact of their work will be measured in the dozens, hundreds and thousands of lives improved in the years to come."

Dear Friends,

Like me, I'm sure you were filled with awe and amazement this summer when you learned the news about the surgical team from the University of Louisville and UofL Health - Jewish Hospital that performed the first-in-the-world implantation of a total artificial heart device in a female patient. That game-changing surgery – a true medical miracle – highlights UofL's role as an innovator that is making a tremendous impact not only in our local community, but far, far beyond.

Innovation with impact is something that we want to be known for at UofL. We have proven, time and again, to be a true research powerhouse, and we are working every day to address some of the biggest global problems of our time,

from climate change to cancer and from societal inequities to COVID-19.

The fact that UofL in fiscal 2021 secured a record \$201.5 million to support its research mission is proof that the university continues to be a great place to invest. We are doing work that improves neighborhoods, sparks economic development and growth and often saves lives. Those are advances that I think we all can support.

We continue to do this work in the midst of a worldwide pandemic. I'm so proud to say UofL remains at the forefront of the battle against the coronavirus. In the past year, our researchers have studied new treatments, spearheaded the push for widespread community testing and discovered new approaches that could forever change the way

we track and contain future disease outbreaks.

I would be remiss if I didn't take time to share my ongoing gratitude with our UofL Health family, which continues to work tirelessly to fight the surge from the delta variant and to ensure that vaccinations are available to anyone who wants to get the shot. I also want to commend our students, faculty and staff for how seriously they have taken the COVID threat. More than 85 percent of our campus community is vaccinated, and that's something worth noting.

In a few weeks, the fall semester will have come to an end. It's amazing how quickly it goes. It is wonderful for our students that we will be able to hold an in-person, indoor commencement in December. Again, that's a testament to how resolute our

Cardinals have been as we continue to combat the virus.

Despite the challenges we have faced, there has been much progress for the UofL community this fall. With your continued support, more great things are in store for our university. Thank you for always being with us. Be safe and Go Cards!

Neeli Bendapudi
President, University of Louisville



FOUR-STAR GENERAL NAMED ALUMNUS OF THE YEAR

A four-star U.S. Army general with 35 years of distinguished service has been selected as the 2021 Alumnus of the Year by the University of Louisville. Gen. Joseph M. Martin was honored by his alma mater in a livestreamed broadcast of the UofL Alumni Awards on Oct. 21 during Homecoming Week.

Martin earned his Master of Education in Occupational Training and Development degree from the UofL in 1997. He graduated from the United States Military Academy in 1986 and was commissioned as an armor officer. He also is a graduate of the U.S. Army Command and General Staff College and the U.S. Army War College.

As the 37th Vice Chief of Staff of the United States Army, he is the second-highest ranking officer in the Army, and one of only 16 four-star generals currently serving in the Army. Throughout his distinguished 35-year career, Martin has commanded soldiers at every level, including the Army's Operational Test Command, the National Training Center, and the famed First Infantry Division.

Martin's awards and decorations include the Defense Superior Service Medal, the Legion of Merit, the Bronze Star Medal with "V" device, the Meritorious Service Medal and the Army Commendation Medal with "V" device; the "V" device signifies heroism or valor in combat. He also earned the Combat Action Badge and the Parachutist Badge.

Gen. Martin exemplifies all that we stand for as Cardinals, particularly living a life focused on the highest standards of leadership in achieving a noble purpose.



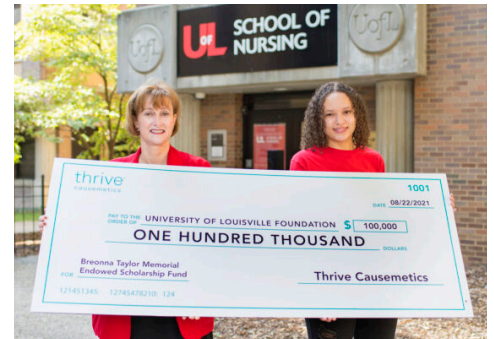
THRIVE CAUSEMETICS DONATES MORE THAN \$100,000 TO BREONNA TAYLOR MEMORIAL SCHOLARSHIP

In honor of the life and legacy of Breonna Taylor, a \$100,000 donation from Thrive Causemetics Inc. to the University of Louisville launches the Breonna Taylor Memorial Endowment, a major boost for the Breonna Taylor Memorial Scholarship Fund in Nursing. This scholarship will support the future dreams of nursing students from Kentucky. The company hopes its donation will inspire additional major gifts and donations to reach the \$2,000,000 full endowment needed to ensure the scholarship lives on forever.

Breonna Taylor was an emergency room technician at UofL Health, the University of Louisville health system, at the time of her death. She was killed by police officers serving a "no-knock" warrant at her home in March 2020. Her career aspiration was to become a nurse.

Thrive Causemetics also has donated an additional \$3,000 toward an immediate-use scholarship in honor of Breonna Taylor. UofL freshman Kaelyn Goatley is the recipient of the immediate-use \$3,000 award and plans to work as a labor and delivery nurse or in the area of pediatric care when she graduates.

"There could not be a better company to partner with on this endowment and scholarship, as its philosophy of helping women thrive through donations from product sales allows organizations to inspire women to be more," said Sonya Hardin, dean, UofL School of Nursing. "This scholarship helps a woman obtain her dream of becoming a nurse and supporting the community in that role."



JAMES GRAHAM BROWN FOUNDATION GIVES \$2.4 MILLION TO INCREASE STUDENT SUCCESS IN EARLY STEM+H COURSES

More students at the University of Louisville who aspire to careers in science and health will have support for success in key classes thanks to a \$2.4 million gift from the James Graham Brown Foundation. The new grant will fund in-class peer support to improve student performance in math and science courses needed to pursue degree programs in science, technology, engineering, math and health (STEM+H).

The grant will help UofL increase early student success in five College of Arts & Sciences courses in math, biology and chemistry – all required for many STEM+H degree programs – that traditionally have high rates of grade D, failure and withdrawal (DFW). Low grades or failing these courses can lead students to abandon the STEM+H fields, take longer to graduate or leave UofL altogether.

"Student success is a priority for our foundation because we believe that equitable educational attainment will increase economic and social mobility for Kentuckians," said Mason B. Rummel, president and chief executive of the James Graham Brown Foundation. "We are supporting this initiative with the University of Louisville because undergraduate learning assistant programs have shown the potential to dramatically improve academic performance."

UofL is committed to recruiting, retaining and launching graduates prepared to serve the commonwealth's STEM+H workforce needs in information systems, engineering, nursing, medicine and other fields. Many thanks to the James Graham Brown Foundation for this funding to help the university continue to serve the community's needs.

\$201.5 MILLION IN POWERHOUSE YEAR FOR RESEARCH

The University of Louisville secured a record \$201.5 million in the 2021 fiscal year to support groundbreaking research. That funding, an increase of more than \$30 million over the previous record set a year earlier, supported work to address some of the biggest global problems of our time, including climate change and battling the COVID-19 pandemic.

The value of that investment is especially apparent in the university's work to combat COVID-19. In the past year, researchers investigated innovative new treatments, led widespread community testing and developed new methods that could revolutionize how we track and contain future disease outbreaks.

The past fiscal year also saw the launch of two new startups based on university-born technology. One, iTolerance Inc., signed an exclusive license for a UofL therapy that helps people with Type 1 diabetes stay off immunosuppressants, and is now developing it for clinical use.

To support the launch of more startups based on university technology, UofL recently launched UofL New Ventures, within the Office of Research and Innovation. UofL New Ventures is dedicated to broad entrepreneurial support, from forging connections with experienced and potential company founders to helping the resulting startups attract funding and market share.

UofL is truly a research powerhouse, continuously blazing new trails and seeking answers to important questions. This record-breaking year for funding is proof of that fact, but it also shows our research and scholarship are a great investment — that UofL is a great place to invest.

