



Where Scholarship Wins

2022–23 President's Impact Report

#ScholarshipFirst

We are an absolute powerhouse in talent generation and leveraging our expertise into solutions for the state's most pressing needs.

PRESIDENT WILLIAM F. TATE IV

Letter From the President



Dear LSU Friends and Family,

What an exciting time to be part of the incredible community we call LSU. With eight campuses, more than 50,000 students, \$428 million in research, and \$6.1 billion in economic impact for our state, we are an absolute powerhouse in talent generation and leveraging our expertise into solutions for the state's most pressing needs. But over the last year, we've taken our impact to new levels, and I'm grateful for the opportunity to share such wonderful news with you.

I want you, our best friends and strongest supporters, our neighbors and our community, to know how seriously we take our commitment to our students and to our state. In the following pages, you'll see how successful each of our campuses has been over the last year. From agriculture to athletics and everything in between, we pride ourselves on a culture of winning. Because that's what we are here for — we're here to win for Louisiana and for you, the LSU family.

It brings me great joy to call LSU my home and to work with everyone in the state to ensure that the education, research, and scholarship from every campus is put to great work for the benefit of Louisiana. And I'm confident you'll feel the same after reflecting on the amazing work we've done.

Sincerely,

A handwritten signature in black ink, appearing to read "W. F. Tate". The signature is fluid and stylized, with a long horizontal stroke at the end.

William F. Tate IV
LSU President



*LSU is grateful to the Louisiana
Legislature for investing a historic*

\$232

MILLION

*Thank you for putting scholarship first
with the LSU System's largest state
funding increase ever.*

Support includes:

Talent Recruitment and Investment

Campus Safety and Security

Graduate Assistantships

Energy Innovation

Student Information System Replacement

Investment in All LSU Campuses Statewide

Legacy and Statewide Service Cost Increases

Deferred Maintenance

2022

September 6, 2022

LSU President William F. Tate IV and Southern University President-Chancellor Dennis J. Shields signed the transformative LSU-SU A&M Agenda: a history-making collaborative commitment to expand the positive and collective impact of the two institutions on students and the community at large.

October 5, 2022

LSU Health New Orleans awarded \$4.6 million to help develop burn care education and training for military and civilian disasters.

November 9, 2022

The U.S. Department of Education awarded LSU Upward Bound and McNair Scholars Program grants totaling \$6,019,530 over five years between 2022 and 2027.

November 15, 2022

LSUA and the U.S. Department of Defense established the STEAM program STARBASE at Fort Polk. The program offers students challenging activities and interaction with military personnel to explore careers in defense, a priority area in the Scholarship First Agenda.

November 16, 2022

The William A. Brookshire Foundation announced a \$7.575 million gift to elevate the College of Engineering's S & B Engineers and Constructors Scholarships, catalyze the new Future Scholars Pipeline Initiative, and establish the William A. Brookshire Veterans Law Clinic.

November 17, 2022

LSU's Tiger Marching Band, the "Golden Band from Tigerland," received a Grammy nomination for Best Regional Roots Music Album. The Tiger Band collaborated with four-time Grammy-nominated zydeco musician and LSU alumnus Sean Ardoin on the album *Full Circle*.



2023

February 23, 2023

The LSU Center for River Studies celebrated its five-year anniversary. Since opening in 2018, the Center has hosted more than 15,000 visitors, including federal and state politicians, scientists, and engineers from around the world, coastal advocates, students and educators, and many more.

March 13, 2023

The Scholarship First Bus Tour hit the road on a 1,000-mile winding route around Louisiana with the goal of learning more about some of the state's vital industries and visiting with key stakeholders, alumni, and elected officials.

April 2, 2023

The LSU Women's Basketball team won the program's first national championship, 102-85 over Iowa.

May 16, 2023

Pennington Biomedical and LSU Health New Orleans were two locations selected to participate in a landmark NIH initiative to advance nutrition research, Nutrition for Precision Health.

June 26, 2023

LSU Baseball won its seventh national championship in program history, defeating Florida in Game 3 of the 2023 College World Series.





Celebrating Excellence Across LSU

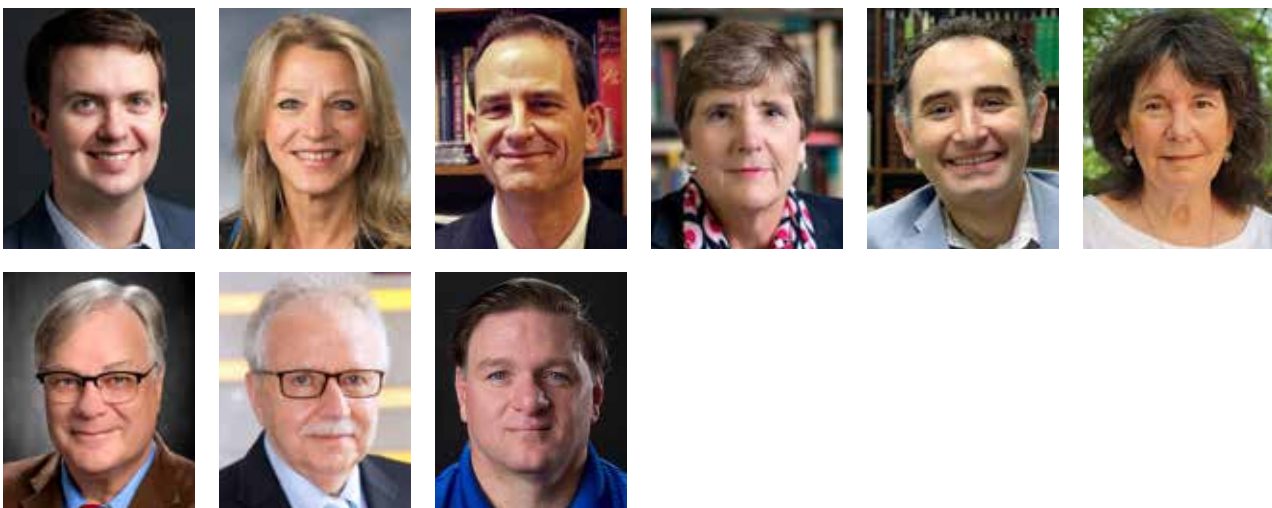
LSU President William F. Tate IV and the LSU Boyd Professors celebrated nine faculty members during a recognition ceremony during the fall semester. This event marked the first of its kind at LSU: recognizing the top academic, scientific, and creative achievements from across all eight LSU institutions over the previous academic year.

The honorees were nominated by deans and chancellors from all LSU campuses and selected by LSU's Boyd Professors for the inaugural event. The rank of LSU Boyd Professor is the highest and most prestigious academic rank at LSU that is awarded to faculty who have achieved national or international recognition for outstanding research, teaching, and achievements.

"There's no greater invention or institution adding to our democracy, adding to our economy, adding to the preparation of citizen scholars than the American higher education institution. Foundational to that are outstanding faculty members, and I am deeply thankful to recognize those on the LSU faculty who have distinguished themselves, not just locally, not just regionally, not just nationally, but in an international context," said President Tate.

The following faculty were honored:

- Joshua P. Darr, LSU Manship School of Mass Communication, Carnegie Fellow
- Barb Dutrow, LSU College of Science, Carnegie Mineralogical Award
- Andreas Giger, LSU College of Music & Dramatic Arts, NEH Award
- Suzanne Marchand, LSU College of Humanities & Social Sciences, Guggenheim
- Alexander Mikaberidze, LSU Shreveport College of Arts & Sciences, Gilder Lehmann Prize
- Nancy Rabalais, LSU College of the Coast & Environment, National Academy of Sciences
- Andrew Sluyter, LSU College of Humanities & Social Sciences, Carnegie Fellow
- George Voyiadjis, LSU College of Engineering, Inducted into European Academy of Sciences and Art
- John White, LSU College of the Coast & Environment, National Wetlands Award



Scholarship First Hits the Road

Inaugural Scholarship First Statewide Bus Tour

In March, President Tate embarked on an ambitious tour crisscrossing the state of Louisiana on the Scholarship First Bus Tour. Aboard the informally dubbed 'Research One' bus, President Tate covered more than 1,000 miles to meet more than 200 stakeholders, gathering their input on how LSU could improve our state.

The four-day trip began with a send-off from LSU Women's Basketball National Champion Coach Kim Mulkey and Mike the Tiger. After a stop for boudin, the bus headed to LSU's original campus in Pineville, where President Tate announced LSU's \$6.1 billion economic impact on the state, then rolled through Natchitoches, before stopping in Shreveport for the evening.

Day two took President Tate on a road trip through North Louisiana with stops in Minden, giving way to glimpses of the state's agricultural past and its future. After a social in Monroe, the bus made its way back to Central Louisiana for a reception hosted by LSU alumnus and bus tour sponsor Roy O. Martin in Alexandria.

After breakfast at Lea's Lunchroom in Lecompte, the bus departed for day three, making its way through New Iberia to "Sugar City," Jeanerette, to learn more about the importance of sugarcane to the Louisiana economy. Next up: Cajun Country to harvest crawfish in Crowley before ending the day in Lake Charles.

On the final day of the tour, the bus headed down to Convent to visit with Shell, LSU's lead partner for energy innovation, then over to the "Big Easy" for lunch at Drago's and a discussion of oyster farming in Louisiana. From there, the group visited the Port of New Orleans to announce a partnership with the five major ports in southeast Louisiana, agreeing to partner on a cyber-defense initiative that will better protect Louisiana's nationally important port infrastructure. The day ended with a celebration on the Northshore with LSU family and friends.







*LSU provides
a \$13.85
return on
investment for
every dollar of
state funding.*

Record-setting \$6.1 Billion Statewide Annual Economic Impact

LSU supported \$6.1 billion in Louisiana economic output, over \$2.4 billion in statewide earnings, and an estimated 45,700 direct and indirect annualized jobs in fiscal year 2021-22. This is an output of \$690 per Louisianan, a \$13.85 return on investment for every dollar of Louisiana state funding provided to LSU. Throughout the state, LSU's various campuses contributed significant benefits to regional economies for fiscal year 2021-22:

- LSU's flagship campus in Baton Rouge supported an estimated economic output of more than \$2.7 billion, along with \$970 million in earnings, and 24,450 jobs.
- LSU of Alexandria supported an estimated economic output of about \$109 million, along with \$32 million in earnings, and 856 jobs.
- LSU Eunice supported an estimated economic output of \$72 million, along with \$20 million in earnings, and 57 jobs.
- LSU Shreveport campus supported an estimated economic output of \$174 million, along with \$52 million in earnings, and 1,317 jobs.
- LSU Pennington Biomedical Research Center located in Baton Rouge supported an estimated economic output of \$137 million, along with \$54 million in earnings, and 865 jobs.
- LSU AgCenter supported an estimated economic output of \$282 million, along with \$119 million in earnings, and 2,356 jobs.
- LSU Health New Orleans and the Health Care Services Division supported an estimated economic output of \$1.6 billion, along with \$643.5 million in earnings, and 9,118 jobs.
- LSU Health Shreveport supported an estimated economic output of \$1.03 billion, along with \$412 million in earnings, and 6,164 jobs.

Advancing Cyber Defense Through State and Federal Partnerships

A First in Cyber

LSU has been chosen by the National Security Agency as the first university in the nation to create and pilot a cybersecurity clinic to help small businesses in Louisiana prevent, detect, and respond to cyberattacks. The clinic will provide free services through the Louisiana Small Business Development Center at LSU, with 10 regional offices throughout the state.

The NSA, the nation's preeminent cybersecurity agency, also designated LSU as a Center of Academic Excellence in Cyber Operations. LSU joins only 19 other universities and colleges in the U.S. with the designation, which is reserved for institutions capable of educating high-performing students and advancing operational technologies and techniques critical to intelligence, military, and law enforcement organizations. LSU is the only university in Louisiana to hold the CAE-CO designation.

Protecting Our Ports

LSU and the largest ports in Louisiana announced a partnership to develop cybersecurity talent and technology for critical infrastructure. The collaborative effort connects the university's growing strengths in cybersecurity to the ports' pivotal role in the global supply chain and in securing food, energy, goods, and materials for the nation and world. The agreement between LSU and its port partners outlines opportunities for students and faculty to work with the ports to solve ongoing and emerging cyber challenges. It includes the potential development of cybersecurity testbeds, which are controllable cyber environments for experiments, joint research to protect port systems, as well as broadened collaboration with state and federal security and law enforcement agencies. Primarily, the partnership unites university and port assets to support homegrown cyber talent development for Louisiana.





A Not-So-Secret Agreement with the Secret Service

LSU and the United States Secret Service have entered into a formal agreement for technology and talent development in cyber and for state and national security. The Memorandum of Understanding strengthens the interactions and collaborations between the agency and university in research, talent, and outreach. The initial engagements from the agreement span computer science and cybersecurity, athletics, and continuing education. The effort aligns with LSU's mission to enable the Secret Service and related agencies to access the entirety of the LSU System for talent and technology development in cyber.

Solving Cybersecurity Challenges in Virtual Reality

LSU researchers Ibrahim "Abe" Baggili and Andrew Webb have received \$600,000 from the Defense Advanced Research Projects Agency to study safety aspects of virtual and augmented reality applications for U.S. military missions and training. In addition, the computer science program continues to reach new enrollment levels. Since 2018, the department has grown 33 percent and is now one of the two largest departments in the LSU College of Engineering.

Scholarship First

2022–23 Academic Highlights

LSU's Evan Leonhard named a **2023 Fulbright Scholar**

LSU's Benjamin Limer named a **2023 Fulbright Scholar**

LSU's Rachael Coates named a **2023 Goldwater Scholar**
and a **2022 and 2023 Astronaut Scholar**

LSU's Kennedy Lynch named a **2023 Goldwater Scholar**
and a **2023 Astronaut Scholar**

LSU's Antavion “Tay” Moore, LSU’s first John Robert
Lewis Scholar in 2022, named a **2023 Truman Scholar**

LSU Boyd Professor George Voyiadjis awarded the
2023 Blaise Pascal Medal for Engineering from the
European Academy of Sciences

LSU's Tammy Dugas and Michael Khonsari elected as **Fellows to the National Academy of Inventors**

LSU's Matthew Chambers, Adam Forte, Christine Lattin, Shyam Menon, Paul Miller, and Justin Wilson received **NSF CAREER Awards**

LSU Health New Orleans' Jeremy Toler, MD, named **one of 11 physicians in the country honored by the American Medical Association Foundation with the 2023 Excellence in Medicine Awards**

LSU Health New Orleans' Leanne Fowler and Sherry Rivera are two of six nurse practitioners nationally and the only ones from Louisiana who became **Fellows of the American Association of Nurse Practitioners**

LSU cybersecurity professor Ibrahim "Abe" Baggili received the **prestigious Order of Thor medal from the Military Cyber Professionals Association**

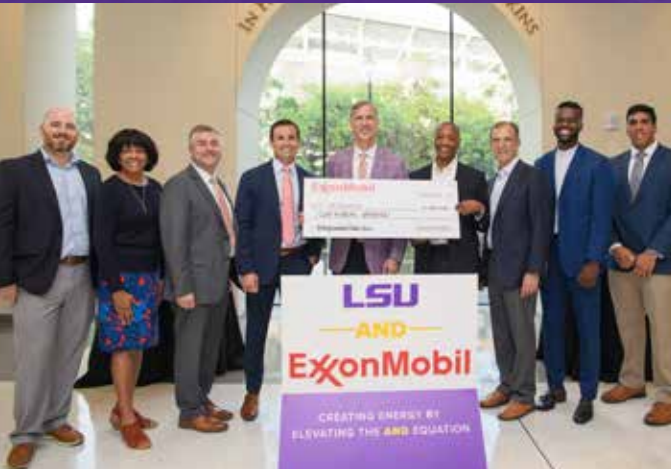
Greater Shreveport Chamber honored outgoing LSUS Chancellor Larry Clark as its **2022 Business Leader of the Year**

LSUE's Malcom Vidrine named **2022 Rivers Prize Recipient**

Pennington Biomedical's Robert L. Newton, Jr. received the **Google Health Equity Research Initiative Award**

LSU

FLAGSHIP



ENERGY AND WORKFORCE DEVELOPMENT

Exxon Mobil Corporation and ExxonMobil Foundation are investing \$2 million in LSU to elevate the local workforce and advance strategic research initiatives. The funding will support research in carbon capture, utilization, and storage, as well as scholarships, mentorship programs, workforce development, and a commitment to support student-athletes.

LSU FUTURE SCHOLARS PIPELINE INITIATIVE

Several donors contributed leadership gifts to catalyze the LSU Future Scholars Pipeline Initiative, which launched in August 2023 with a cohort of 83 high school seniors. These donors' collective multimillion-dollar investment — and the generosity of those who will join them in fully funding this transformative program — will create a college pathway for hundreds of children enrolled in public schools in East Baton Rouge Parish, where LSU's flagship campus sits.



A&M AGENDA

LSU and Southern have a combined 311 years of service to the community and hundreds of thousands of proud and successful graduates. In support of continued collaboration, LSU President William F. Tate IV and Southern University President-Chancellor Dennis J. Shields were joined by Louisiana Gov. John Bel Edwards and Mayor-President Sharon Weston Broome for the signing of the LSU-SU A&M Agenda to expand the positive and collective impact of the two institutions for students and their communities. The benefits of the A&M Agenda are broadly organized into three distinctive areas: partnership, opportunity, and collaboration.



ADVANCING LSU'S SCHOLARSHIP FIRST AGENDA

LSU is achieving transformative progress in scholarship funding for students with financial needs and support for military veterans through a \$7.575 million gift to enrich the College of Engineering's S & B Engineers and Constructors Scholarships, catalyze the new Future Scholars Pipeline Initiative, and establish the William A. Brookshire Veterans Law Clinic.

INVESTMENT IN THE LSU COLLEGE OF ENGINEERING

Richard and Mary Spies of The Woodlands, Texas, committed \$5 million to the LSU College of Engineering, Richard's alma mater. The Spieses' gift will establish an unrestricted fund, affording the dean ultimate flexibility to direct funding where it can be most impactful. Their visionary investment, which follows years of support of the college in key areas such as the recent modernization of the Unit Operations Lab, is the largest unrestricted gift ever made to the college.



\$50 MILLION SECURED FOR HYDROGEN DEVELOPMENT

In alignment with its Scholarship First Agenda, LSU worked with GNO, Inc. to win \$50 million from the U.S. Economic Development Administration for H2theFuture. This public-private initiative is focused on the production and use of hydrogen, or H₂, as a green fuel and workable alternative to oil and gas. LSU serves as one of the critical testbeds for the project through newly established hydrogen and carbon capture, use, and storage demonstrations on the flagship campus. H2theFuture will help elevate Louisiana's position as a global energy hub while supporting industrial shifts toward hydrogen.

LSUA

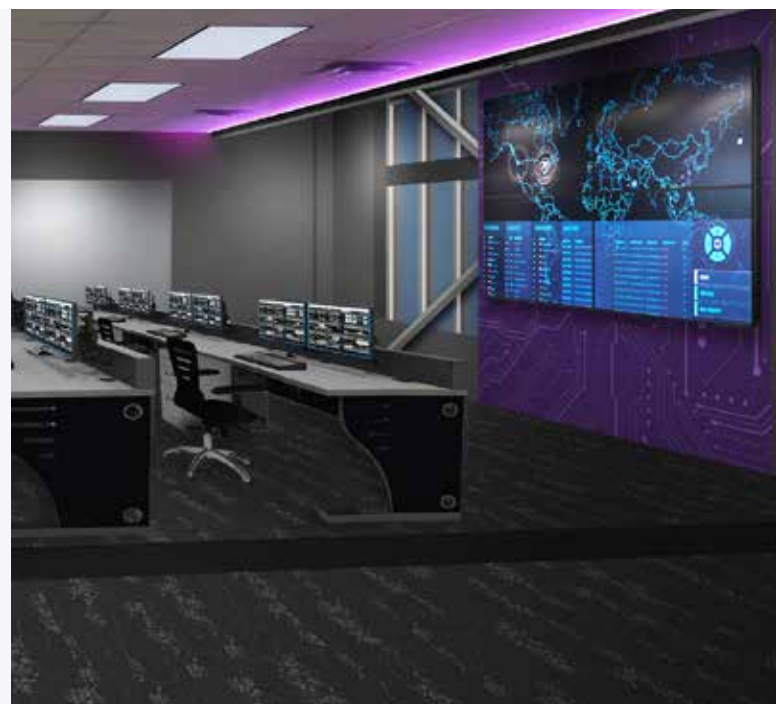


\$1M ENDOWED CHAIR OF ACCOUNTING

After receiving a \$600,000 gift from Alexandria Business Foundation, LSUA is creating the ABF Chair in Accounting in the College of Business. The endowed chair's responsibilities will be equally divided between student education and workforce needs. This combination best aligns with the mission of the College of Business and its strategic priorities. LSUA submitted a proposal for \$400,000 in matching funds from the Louisiana Board of Regents to create the \$1,000,000 ABF Chair.

NEW CYBERSECURITY WORKFORCE TRAINING FACILITY

LSUA is developing the Center for Technology Innovation to train graduates entering the Central Louisiana workforce with specialized, in-demand technology skills for cybersecurity. The State of Louisiana, with the support of the Central Louisiana legislative delegation, provided initial funding for the "Technovation Center" project with a \$561,000 Louisiana Economic Development award supporting workforce development in the state's rapidly expanding tech sector.





CONTINUED RECORD ENROLLMENT AND GRADUATION

LSUA of Alexandria continues to reach new heights in its enrollment and graduation sizes. For the 2023 spring semester, LSUA increased enrollment by 12.8 percent, resulting in the largest spring class in LSUA's history with 3,992 students. Fall 2022 also set a record in student enrollment. LSUA's graduation rate continues to increase as well, with a 18.5 percent increase in graduates from 2022.

MODERN INFRASTRUCTURE FOR STUDENT SUCCESS

LSUA celebrated the groundbreaking for the Martin Family Student Success Center. The \$12 million center will be a central hub for student services and serve as a front door to the university while ensuring LSUA students receive the necessary level of individual support for success. Campus modernization continued with ribbon cutting at the new LSUA Plaza, marking the completion of the \$6.5 million major infrastructure capital project to improve the flow of traffic and drainage on campus.



MEETING THE AVIATION INDUSTRY'S NEEDS

LSUA, in partnership with England Airpark and their Aviation Careers and Education Initiative, launched the LSU system's first professional aviation degree program. The new program will prepare students to become FAA-certified multi-engine commercial pilots and flight instructors. The program provides hands-on ground and flight training with Gulf Coast Aviation at Alexandria International Airport, where students work with full-time flight instructors to gain the necessary hours and ratings required to excel in their aviation careers.

LSUE



RECORD ENROLLMENT AND GRADUATION

LSU Eunice awarded a record number of degrees for 2023 spring commencement. In total, LSUE awarded 259 degrees. Additionally, LSUE saw an all-time number of honor graduates cross the stage. LSUE awarded 52 students with magna cum laude distinction for having a cumulative grade-point average of 3.5-3.79 and honored 28 summa cum laude graduates for holding a cumulative grade-point average of 3.8-4.0. LSUE also saw record enrollment for the spring 2023 semester. The campus increased both its enrollment and credit hours compared to one year ago.

AG TALENT DEVELOPMENT

New, tech-driven LSU Eunice agriculture programs support Louisiana's future farmers and military veterans. Through the largest grant in recent LSU Eunice history from the Delta Regional Authority, the college will welcome students to a free Introduction to Agriculture class. The course will be combined with skills-based training in one of four areas — beginner cattleman, master farmer, crop analyst, or FAA drone certification — along with a business management certification.



HEALTH TECHNOLOGY



EXCELLENCE IN STUDENT LEADERSHIP

LSUE's chapter of Phi Theta Kappa, or PTK, took home several major honors at the organization's national conference. For a fourth consecutive year, the LSUE chapter was named a "Top 100" chapter in the world. LSUE was also recognized at the conference as the sixth-place finalist for Most Distinguished Chapter among the entire organization. The convention celebrates chapter excellence and student leadership among the more than 1,300 chapters and more than 300,000 members worldwide.

HEALTHCARE WORKFORCE DEVELOPMENT

LSUE and LSUA have partnered to expand the LSUE surgical technology program to the LSUA campus to meet the healthcare needs for surgical technology in Central Louisiana. The innovative partnership marks continued growth for LSUE's renowned allied health programs, which have also seen expansion in recent years to Lafayette to better serve the community.





FULBRIGHT WINNER

LSU Shreveport history professor Dr. Alexander Mikaberidze has received a Fulbright Award to conduct research on European and Caucasian history for the next two years. He also won his second prestigious military history book award for his new biography about Russian Field Marshal Mikhail Golenischev-Kutusov.

BUSINESS LEADER OF THE YEAR

The Greater Shreveport Chamber honored outgoing LSUS Chancellor Larry Clark as its 2022 Business Leader of the Year. The award recognizes individuals who have a substantiated history as an established business executive; who are proven leaders in areas of economic development, community development, workforce development, and education; and who contribute personal time and resources as well as philanthropically.



NEW CHANCELLOR

Robert T. Smith, PhD, was named the chancellor of LSU Shreveport. Smith was previously chief academic officer for Valdosta State University, where he led student success initiatives that resulted in an increase in first-year retention by nine percent in the first two years.



HEALTHCARE TALENT DEVELOPMENT

LSU Shreveport's Master of Public Health program was ranked fourth in the nation by Fortune magazine. The MPH program is a collaborative effort between LSU Shreveport and LSU Health Shreveport. The magazine highlighted the program's affordability and high retention rates.

BIOMEDICAL/ARTIFICIAL INTELLIGENCE COLLABORATIVE INNOVATION

LSU Health Shreveport researchers have teamed up with LSUS computer scientists to study and treat brain tumors by leveraging big data science and artificial intelligence to improve care for patients with cavernous malformations, some of the most difficult-to-treat tumors in the head and spine.



LIBRARY OF THE YEAR

LSU Shreveport's Noel Memorial Library has been awarded the LOUIS Library of the Year Award. LOUIS is a consortium of public and private college and university libraries in the state of Louisiana. The award recognizes a library's service to its community, creativity, and innovation in developing specific community programs or a dramatic increase in library usage and leadership in creating programs that can be emulated by other libraries.

LSU Health

NEW ORLEANS



PROTECTING OUR MILITARY AND CIVILIANS

The Medical Technology Enterprise Consortium, in collaboration with the U.S. Army Medical Research and Development Command, has awarded LSU Health New Orleans \$4.6 million over four years to develop education and training to improve burn injury care in military conflicts and civilian disasters before the patients reach a hospital. LSU Health New Orleans is one of six members of a consortium of subject matter experts — including burn care practice, burn care research, and burn care education specialists — tapped for the project.

ADDRESSING NURSING SHORTAGE AND IMPROVING HEALTH EQUITY

LSU Health New Orleans School of Nursing was awarded nearly \$3 million to create a program to improve health equity and care in rural and medically under-served communities in Louisiana, Texas, Arkansas, Oklahoma, and New Mexico. It is one of only 10 such awards granted by the Health Resources and Services Administration of the U.S. Department of Health and Human Services. Designed to increase the registered nurse and advanced practice RN nursing workforce in medically under-served areas, the project will expand and centralize academic practice partnerships.



DIVERSIFYING HEALTHCARE WORKFORCE

The National Institutes of Health renewed a five-year biomedical sciences research pipeline grant to LSU Health New Orleans. With the \$1.4 million Postbaccalaureate Research Education Program grant awarded by the National Institute of General Medical Sciences, LSU Health New Orleans will enhance the diversity of the biomedical sciences research workforce.

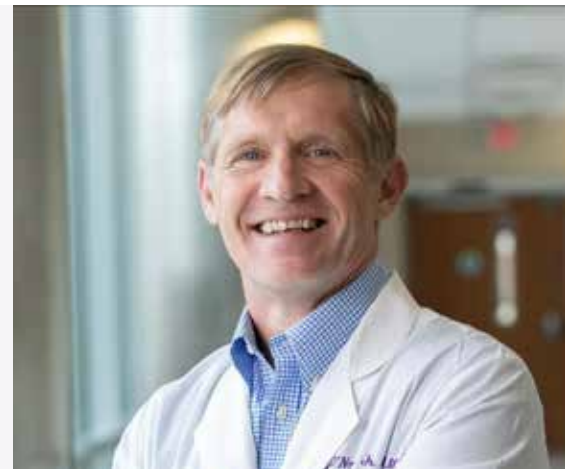


NATIONAL CANCER INSTITUTE AWARD

The National Cancer Institute chose Augusto Ochoa, MD, as the 2022 recipient of its most prestigious award honoring excellence in community-based cancer research. As the principal investigator of the Gulf South NCI Community Oncology Research Program, Dr. Ochoa leads the only statewide cancer clinical trials program in Louisiana, which brings advanced treatments through clinical trials to large numbers of patients, particularly African American patients.

LIFE-SAVING NEW SEPSIS TEST

Hollis O'Neal, MD, critical care physician at LSU Health Sciences Center and medical director of research at Our Lady of the Lake Regional Medical Center, was the national principal investigator who led the creation of an FDA-cleared test for sepsis. The test analyzes a patient's white blood cells in under 10 minutes. Sepsis is the No. 1 cause of death in hospitals, and Louisiana leads the country with the highest rate of sepsis mortality, making the groundbreaking test critical for the well-being of communities around the state and country.



ELITE TALENT DEVELOPMENT

The U.S. State Department, in collaboration with the Institute of International Education, announced LSU Health New Orleans is one of only 10 2022-23 Top Producers of Fulbright Scholars in the Special 4-Year Focus Institutions category. In a letter to Interim Chancellor Dr. Steve Nelson, Secretary of State Antony Blinken wrote that this recognition "clearly demonstrates your dedication to preparing Americans to thrive in the global economy and serve as engaged citizens."

LSU Health

SHREVEPORT



NEW CHANCELLOR

Dr. David Guzick was named the fourth chancellor of LSU Health Shreveport in January 2023. Guzick earned his medical and doctoral degrees from NYU as part of the NIH Medical Scientist Training Program. He is a member of the National Academy of Medicine, the John Hopkins Society of Scholars, and the author of “The U.S. Health Care Industry; Balancing Care, Cost and Access.”

WORKFORCE DEVELOPMENT

The Center of Academic Excellence in Patient Centered Rehabilitation, or CAE-PaCeR, earned the full five-year status with the Louisiana Board of Regents. The Center is establishing an infrastructure to align relevant academic, research, and clinical programs of the School of Allied Health Professions with the purpose of the Center: patient-centered rehabilitation in an academic culture of excellence for clinical learning, innovation, and collaboration.





50TH ANNIVERSARY CELEBRATES REMARKABLE GROWTH

LSU Health Shreveport celebrated its 50th anniversary of its first medical school graduates. Thirty-two individuals made up the first medical school class compared to the current class size of 150, demonstrating the tremendous growth of the LSUHS School of Medicine over the past 50 years.

SCHOLARLY AND ENGAGED STUDENTS

Three second-year medical students at LSU Health Shreveport were chosen to participate in the National Institutes of Health All of Us Research Scholars Program. Student Tyler Tran was selected to present at the All of Us Research Convention and received third place among medical students presenting, in addition to the People's Choice Award.

National Institute of Health's All of Us Research Scholars



Reagan Abadie, MSII



Nicholas Jones, MSII



Tyler Tran, MSII

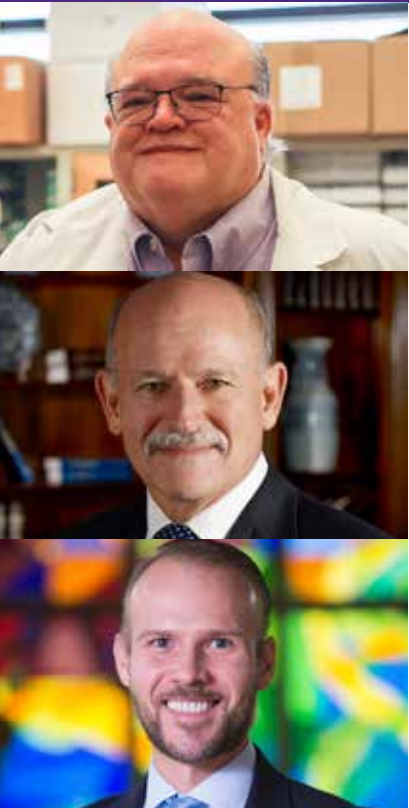
Congratulations to our three LSU Health Shreveport School of Medicine Students Chosen as NIH All of Us Research Scholars!



PARKINSON'S DISEASE RESEARCH

LSU Health Shreveport partnered with the Michael J. Fox Foundation to become one of five U.S. sites to participate in the Black and African American Connections to Parkinson's Disease, or BLAAC-PD, research study. The study seeks to learn more about changes that may cause Parkinson's in Black and African American people.

pb Pennington Biomedical Research Center Louisiana State University



IMPROVING CANCER OUTCOMES

With investment by the state, Pennington Biomedical is attracting and supporting top research talent to solve some of the biggest challenges in cancer care for patients and families.

Robert Kesterson, one of the nation's leading experts on creating and using genetically modified animal models to help scientists answer their research questions and find new and better ways to study cancer, is now leading the Genetically Engineered Models core facility at Pennington Biomedical. In addition, Dr. Steven B. Heymsfield and Justin C. Brown are members of a research team that secured \$25 million to solve the challenge of cachexia, the debilitating wasting condition responsible for up to 30 percent of cancer deaths. Brown's research in colon cancer has found that physical activity can prevent, not just delay, cancer recurrence in patients previously treated for colon cancer.

A NEW ERA OF NUTRITION RESEARCH

Pennington Biomedical is one of 14 locations nationwide enrolling participants in an NIH landmark initiative to advance nutrition research. Nutrition for Precision Health, a five-year \$8.6 million grant, powered by the All of Us Research Program, will engage 10,000 participants from diverse backgrounds to learn more about how our bodies respond differently to food to generate a massive dataset that will lead to personalized dietary prescriptions that can promote health and address health disparities.



DIABETES RESEARCH

LSU alumnus and assistant professor David McDougal was awarded a \$1.8 million National Institutes of Health grant to study hypoglycemia treatments. This five-year grant will look at prevention and treatments for low blood sugar in people with type 1 diabetes.



OPTIMIZING MILITARY HEALTH AND PERFORMANCE

Building on three decades as the go-to provider of nutrition science for the Department of Defense, Pennington Biomedical attracts some of the nation's best rising scientists who are focused on research to keep America's soldiers at the top of their game. This includes the recent recruitment and hiring of Claire Berryman and Stephen Hennigar. Before joining Pennington Biomedical, Berryman and Hennigar both worked for several years as post-doctoral researchers for the United States Army Research Institute of Environmental Medicine, or USARIEM — PBRC's primary partner on DoD-funded research.



FIGHTING CHILDHOOD OBESITY

LSU alumna and Pennington Biomedical's Amanda Staiano, director of pediatric obesity and health behavior laboratory, served as co-author on the American Academy of Pediatrics national committee to develop new guidelines on the evaluation and treatment of children with obesity. Based on over 30 years of scientific evidence, the new guidelines determined treatment should begin early and at the highest intensity necessary.

SCHOLARS SUPPORTING POSTDOC FELLOWS

Former Pennington Biomedical Research Center Executive Director Dr. Claude Bouchard and his wife, Monique Chagnon, pledged \$1 million to create the endowed Claude Bouchard-Monique Chagnon Fund to support postdoctoral fellows in basic research as well as in clinical and public health and population science. As one of the world's foremost researchers in the genetics of obesity and related diseases, including type 2 diabetes and hypertension, the Bouchard laboratory has trained about 40 postdoctoral researchers throughout his career.





CELEBRATING 50 YEARS

The LSU AgCenter celebrated 50 years of advancing agricultural excellence in Louisiana. The AgCenter has continued to innovate, educate, and improve the lives of Louisiana citizens through research, extension, and teaching. The AgCenter's focus areas include plants and animals, natural resources, food and nutrition, and youth development. Researchers engage in a robust plant breeding program, providing high-quality crops that can handle Louisiana's tough climate but are also preferred by growers in other states. New crop varieties developed at the LSU AgCenter have become game-changers in their industries.

RICE SUSTAINABILITY

Prasanta Subudhi, LSU AgCenter crop geneticist, received a \$10 million grant from the U.S. Department of Agriculture to improve sustainability and profitability of rice farming through research innovations that advance climate-resilient crops.





SUGARCANE GENETIC RESEARCH

Harry L. Laws & Company donated \$250,000 to the LSU AgCenter to help the Louisiana sugarcane variety development program. This donation is expected to improve sugarcane genetic research and help with selecting new varieties.

SMARTER CLOTHING FOR BIOMETRICS

Sibeï Xia, assistant professor in the Department of Textiles, Apparel Design & Merchandising, is developing “smart clothing” that detects fevers in infants. Through a grant from the Provost’s Fund for Innovation in Research, Xia is developing body-tracking wearable technology, or smart clothes, through thermochromic yarn that changes color based on body temperature. The technology may reduce the need to monitor a newborn’s temperature using thermometers and other invasive technologies and has the potential to reduce the number of times the infant is disturbed for a temperature check.



CONNECTING LOCAL BUSINESS WITH RESEARCH

The LSU AgCenter Food Innovation Institute has received a five-year, \$1.5 million U.S. Department of Commerce Economic Development Administration grant to update and expand its facility adjacent to the LSU campus in Baton Rouge. Along with \$2.5 million in state funding, the grant will allow the institute, known as FOODii, to unify its operations and further its mission of connecting Louisiana food businesses with researchers shaping the future of food production and security.

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