

# LSU *Postscript*

From the desk of LSU President F. King Alexander



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## Welcome

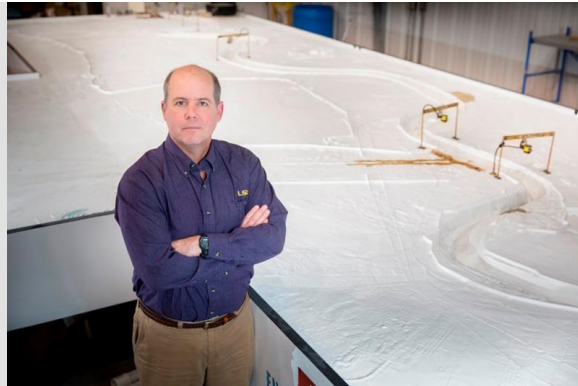
Dear LSU Family,

I'm excited to introduce the LSU Postscript, which will bring our most recent news straight to your inbox each month, so you'll always be aware of the impact we have on the world beyond our campus gates. If you know someone who might be interested in receiving this email, please forward it along to them. I hope you enjoy learning about all the great things happening at the university.



Sincerely,

LSU President F. King Alexander



### Rising Rivers

LSU's [river experts](#) provided guidance and assistance to officials as the Mississippi River reached flood levels. Professor Clint Willson of the LSU Center of River Studies met with local media outlets to discuss the ways the [Mississippi River could be operated](#) to mitigate any potential flooding in South Louisiana.



### Top-Notch Honors

The [LSU Roger Hadfield Ogden Honors College](#) opened the newly renovated French House with [a ribbon-cutting ceremony](#). The updated home of our Honors College serves as a model facility for Honors studies around the country. This facility is something for all of the LSU community to be proud. Please stop by to see the new French House on your next visit to campus.



### Iowa of the Tiger

LSU offers students a myriad of opportunities to participate in research, travel abroad and gain hands-on experience. A group of Manship School of Mass Communication students recently had the trip of a lifetime during [Iowa of the Tiger](#), where they spent 12 days at the Iowa Caucuses, meeting with presidential hopefuls, engaging with voters and experiencing the intricate interplay between campaigns and journalism.



### Printing the Future

LSU students and faculty are at the forefront of using 3D printing to assist in cancer screenings. The School of Architecture and the Medical and Health Physics program, in partnership with Mary Bird Perkins Cancer Center, are working to create [safer cancer radiation treatments](#) for patients. You can learn more about the program on this [LSU Research Works video](#) feature.

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### LSU research works ...

LSU faculty conduct research that touches the lives of every Louisiana citizen. As the state's flagship university, our work focuses on finding solutions to some of the state's largest problems, which span a wide range from chronic disease to coastal land loss. Through science, scholarship, and discovery, our faculty and students don't just make a name for themselves - they make a difference for the people of our state. To read more about these research solutions, visit [www.lsu.edu/researchworks](http://www.lsu.edu/researchworks).

# LSU research works...

**TO PRESERVE MINDS**

**LSU RESEARCH WORKS ON ALZHEIMER'S DISEASE**

Louisiana ranks 5<sup>th</sup> nationally in deaths related to Alzheimer's Disease.

**IN LOUISIANA:**

- 230K PEOPLE LIVE WITH ALZHEIMER'S DISEASE
- 262 MILLION IN CARE COSTS
- 3 MILLION PEOPLE AT RISK

**LSU research works to preserve minds.**

- The LSU Population Research Center is leading the nation in research to identify genetic factors that increase the risk of Alzheimer's disease.
- Louisiana leads the nation in the number of Alzheimer's disease research centers.
- Researchers at the LSU Health Shreveport Center of Medicine are leading the way in the development of a drug made from a compound found in the brain, which may help to slow or prevent the progression of Alzheimer's disease.

**ALZHEIMER'S DISEASE**

**TO SAVE LIVES**

**LSU RESEARCH WORKS ON CANCER**

Louisiana cancer rates are higher than the national average.

**60% MORE CANCER DEATHS** | **177 DEATHS WEEK** | **15% MORE DEATHS**

**LSU research works to save lives.**

**Minimizing the damage of chemotherapy:**

- LSU is working to optimize the chemotherapy and lower toxicity drugs that protect and attack cancer without harming healthy cells.
- LSU is studying individual cancer cells to predict how a patient's cancer will respond to treatment, before the treatment is even administered.
- LSU Health New Orleans and Shreveport are leading the way in cancer prevention for people at risk for cancer, including for people who have had a family history of cancer.

**Saving lives through early detection:**

- LSU Health New Orleans and Shreveport offer the cancer screening program Louisiana Cancer Screening Initiative.
- LSU Health Shreveport is leading research on how to use artificial intelligence to detect cancer early, before the cancer is even administered.
- LSU Health New Orleans and Shreveport are part of a national research network to participate in cancer prevention research.

**FIRST PLACE**

**CANCER**

**TO SAVE THE COAST**

**LSU RESEARCH WORKS FOR THE COAST**

Louisiana loses an equivalent of a football field of coastal wetlands every hour.

**168** COASTAL WETLANDS ARE LOST EVERY HOUR

**THIS MEANS...**

- A \$4.5 BILLION LOSS IN ANNUAL ECONOMIC ACTIVITY
- THE LOSS OF 100,000 JOBS
- THE LOSS OF 100,000 ACRES OF WETLANDS

**AND LOSS OF:**

- WETLANDS
- WETLANDS
- WETLANDS

**LSU research works to save the coast.**

**We create solutions for the complex problems facing our wetlands.**

- LSU provides research and expertise on wetland restoration and management.
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**We educate and empower the next generation before it's too late.**

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**90%** of Louisianians believe that LSU's COASTAL RESEARCH and involvement is VITAL TO THE STATE.

## Did You Know?

LSU is responsible for 59 percent of the federal funding granted for research and development in Louisiana.

LSU physicists Thomas Kutter, Martin Tzanov and William Metcalf are among the scientists sharing the [2016 Breakthrough Prize in Fundamental Physics](#). The prize is for the fundamental discovery of neutrino oscillations, revealing a new frontier beyond, and possibly far beyond, the standard model of particle physics.

LSU's undergraduate program in landscape architecture has been [ranked #1 in the nation](#) by DesignIntelligence for the sixth time since 2007.

## In the News

[Louisiana State University says alien 'megastructure' is still unexplained](#) (Daily Mail)

[Not all gravitational waves are created equal](#) (Scientific American)

[How markets can restore Louisiana marshes](#) (Wall Street Journal)

[LSU wins GameDay Recycling Challenge with 86,400 pound haul](#) (Business Report)

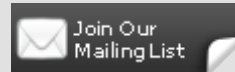
[Engineering student to appear on Jeopardy! College Championship](#) (The Advocate)

[Baton Rouge experts weigh in on Zika virus](#) (WAFB)

[Follow this year's budget conversation on the LSU Budget Hub](#)

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