

Winter
2015

NEW WAVE NEWS

Tulane Researchers
Awarded \$4 Million to
Study Oil's Effects on
Gulf »

Tulane Professor Named
AAAS Fellow »

Tulane Professor Gets \$2.6
Million to Study Trauma in
NOLA students »

Summer Research
Opportunities for
Undergraduates
Interested in Materials
Science and Engineering »

Devon Walker Returns
with a New Role: Mentor »

[Read Other News »](#)

ACCOLADES

Biomedical Engineering Assistant Professor and Paul H. and Donna D. Flower Early Career Professor in Biomedical Engineering, J. Quincy Brown, was awarded a 3-year, \$945,000 grant from the National Institutes of Health to develop a new imaging technology to quickly provide high-resolution images of tumor biopsies at the patient's bedside. The project was funded by the Innovative Molecular Analysis Technologies (IMAT) program within the National Cancer Institute.

Message from the Dean

Nicholas J. Altiero, Dean

"Research is creating new knowledge" – Neil Armstrong

In the Tulane School of Science and Engineering, we believe that research is the key to eradicating disease, creating a stronger economy, and ultimately solving our world's greatest challenges. Research spans every department and touches every individual in the School of Science and Engineering. From understanding how hormones affect the brain to creating organs-on-a-chip, our scientists and engineers are making breakthroughs that will have major implications for our future.

[Read Dean's Message »](#)



Student Research: A Transformative Experience

Article by Kirby Messinger

Madeline Sell, a senior at Tulane University, is working with a team of researchers at the Tulane Cancer Center to link common elements in the environment to cancer.

Astrid M. Roy-Engel, associate professor of epidemiology, advises Sell as she is working to uncover how metals nickel and cadmium cause cancer.

[Read Full Story »](#)

Tulane Researcher Gets Millions to Study Adolescent Brains and More

Article by Barri Bronston

A Tulane University researcher is studying adolescent brain development as part of a \$5.9 million grant from the National Science Foundation.

Yu-Ping Wang, an associate professor of biomedical engineering, is joining researchers at the Mind Research Network at the University of New Mexico and the University of Nebraska Medical School in exploring the workings of the brain during the rapidly



developing period between 9 and 14 years old.

[Read Full Story »](#)

Cell and Molecular Biology
Assistant Professor Laurie Earls was awarded \$248,413 from the NIH to study why the brain becomes vulnerable to schizophrenia only during a specific age range.

Earth and Environmental Sciences Associate Professor Nicole Gasparini was awarded \$532,320 from the NSF to continue development of the Landlab earth surface modeling package and expand the Landlab user community.

Earth and Environmental Sciences Professor Torbjörn Törnqvist was awarded \$390,211 from the NSF to investigate rates of sea-level rise and ice-sheet melt 8 to 10 thousand years ago when the Earth was rapidly warming.

Earth and Environmental Sciences Professors Torbjörn Törnqvist and Mead Allison were awarded \$298,480 from the US Army Corps of Engineers to initiate a multi-disciplinary experiment to study land subsidence in the Mississippi Delta.

Ecology and Evolutionary Biology Assistant Professor Elizabeth Derryberry was lead PI on a collaborative research grant totaling \$791,000 from the NSF to examine the evolution of bird communication in response to anthropogenic noise pollution.

CONTACT US

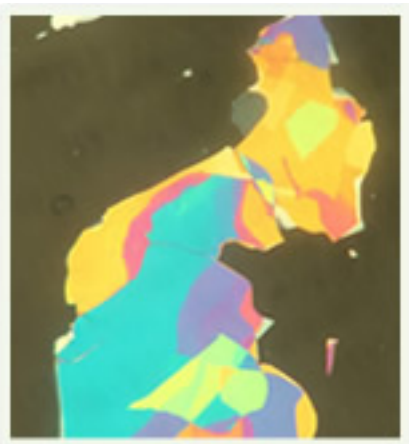
Tulane University
School of Science & Engineering
Suite 201, Lindy Boggs Center
for Energy and Biotechnology
New Orleans, LA 70118

Phone: 504-865-5764

Fax: 504-862-8747

✉ sse@tulane.edu

FEEDBACK



Glimpsing the Unseen: Skylar Deckoff-Jones

Article by Benjamin Morris

Evidence of activities unseen. Quantum forces and unexplained phenomena. Plasmons, phonons, and more otherworldly properties of physics. It's all in a day's work for Tulane senior Skylar Deckoff-Jones, whose research on two-dimensional materials is pushing the boundaries of modern technology.

A native of Santa Fe, NM, Deckoff-Jones was always interested in science, but credits early formative experiences in research for his interest in the field.

[Read Full Story »](#)

Summer Research Opportunities for Undergraduates Interested in Materials Science and Engineering

Summer 2016

[To Apply »](#)

View Dean's Webinars »

View SSE Videos »

Upcoming Events

School of Science and Engineering Highlights

School of Science and Engineering Distinguished Leadership Circle Reception & 8th Annual Science and Engineering Alumni Awards Celebration

Friday, March 18, 2016

5 PM – 7 PM

Lavin-Bernick Center for University Life

Room 215 - 1834 Club

All science and engineering alumni are invited – [RSVP required](#)

10th Annual School of Science and Engineering Research Day – Poster Session

Thursday, April 7, 2016

4 PM – 5 PM

Lavin-Bernick Center for University Life

Qatar Ballroom, Room 212

Everyone is Invited

16th Annual Tulane Engineering Forum

We Want to Hear From You!

Please send us your feedback on the newsletter to:

✉ candy@tulane.edu

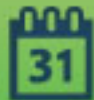
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[Call For Nominations »](#)

10th Annual School of Science and Engineering Outstanding Researcher Ceremony

Thursday, April 7, 2016

3 PM – 4 PM

Lavin-Bernick Center for University Life

Kendall Cram Lecture Hall, Room 213

Reception immediately following in

Room 212 – Qatar Ballroom

Everyone is Invited

Friday, April 15, 2016

8 PM – 5 PM

Ernest N. Morial Convention Center

Registration is Required

[For More Information »](#)

[View All Events »](#)

[See a weekly schedule of Science and Engineering Seminars open to the public »](#)

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