

**Spring
2014**

NEW WAVE NEWS

[Scientists Pull Together on Global Problem of Coastal Subsidence »](#)

[Tulane Biologist Discovers New Rare Flowering Plant in the Grand Canyon »](#)

[IHMC Robotics Finishes Strong Second in Robotics Trails »](#)

[Tau Beta Pi Executive Director Visits Tulane »](#)

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ACCOLADES

Cell and Molecular Biology Research Assistant Professor Zhuoru Wu was awarded \$188,125 from the NIH to elucidate the molecular mechanism underlying the alternative cell fate decision between self-renewal and differentiation in adult stem cells.

Cell and Molecular Biology Assistant Professor Shusheng Wang was awarded \$101,912 from the American Heart Association to study the role of microRNA family Mir-23/27/24 in vascular development and disease.

Tulane Teams Win Breast Cancer Startup Challenge

Article by Keith Brannon

Two Tulane University teams were top winners in the Breast Cancer Startup Challenge, an international business plan contest to commercialize promising innovations in breast cancer research and treatments.

The interdisciplinary teams from the Tulane School of Medicine and the School of Science and Engineering each won \$5,000, startup support and valuable connections to potential investors in the contest, which is sponsored by the Avon Foundation for Women, the National Institutes of Health and the Center for Advancing Innovation.



[Read Full Story »](#)



Novel Tech Challenge

Article by Kirby Messinger

Bright ideas will fuel a culture of entrepreneurship and innovation at Tulane University School of Science and Engineering thanks to a grant from the Burton D. Morgan Foundation.

Left: SSE Alumnus and Theodent founder Arman Sadeghpour organized a Business meets Biotech event recently to promote innovation and

entrepreneurship among students, alumni and faculty. The Novel Tech Challenge will give students, faculty and alumni another venue to celebrate their innovative ideas.

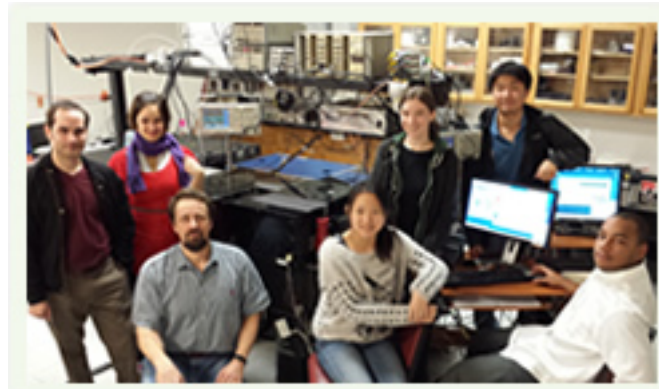
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Tulane Team Invents New Instrument to Study Complex Molecules

Article by Barri Bronston

Tulane University chemistry professor Igor Rubtsov and a team of graduate

students can lay claim to inventing an important new scientific instrument – the world's



first fully automated dual-frequency, two-dimensional infrared spectrometer.

Chemical and Biomolecular Engineering Professor and Department Chair, Anne Robinson was awarded \$180,000 from the NSF to design and build synthetic extracellular sensors that can coordinate a set of yeast cells such that they are capable of degrading both cellulose and hemicelluloses, and using the released sugars to synthesize ethanol.

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Computer Science Makes a Comeback

Article by Barri Bronston

Brenan Keller delights in playing the role of guinea pig. As one of a handful of Tulane University students who are in the School of Science and Engineering's fledgling coordinate computer science major, he can't think of a better, more practical way to prepare for his future.

[Read Full Story »](#)

Jeanette "Davi" Battistella: Ecology and Evolutionary Biology's Hidden Gem

Article by Nicole Escarra

Like the university itself, the Department of Ecology and Evolutionary Biology has weathered many changes in the past thirty years, a process of transformation that Jeanette "Davi" Battistella experienced firsthand. Battistella joined Tulane in 1983 and has been an integral member of the Department of Ecology and Evolutionary Biology since 1992.



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Tulane Science Scholars Program (TSSP)

Tulane Science Scholars Program (TSSP) is a selective program for students in 10th–12th grade who have exceptional talent in the sciences, engineering, and mathematics.

[For more information about this program »](#)

Upcoming Events

School of Science and Engineering Highlights

2014 ASEE Gulf Southwest Section Annual Conference

Wednesday, April 2 –
Friday, April 4, 2014
New Orleans, Louisiana
Hosted by the Tulane School of Science and Engineering
[For More Information »](#)

School of Science and Engineering Outstanding Researcher Ceremony

Thursday, April 10, 2014
3:00 PM – 4:00 PM
Lavin-Bernick Center for University Life – Room 213 – Kendall Cram Lecture Hall
Everyone is Invited

**14th Annual Tulane
Engineering Forum**

Friday, April 4, 2014

8:00 AM – 5:00 PM

Ernest N. Morial Convention Center

Registration is Required

For More Information »

**See a weekly schedule of Science
and Engineering Seminars open to
the public »**

**Sixth Annual Science and
Engineering Alumni Awards
Celebration**

Thursday, April 10, 2014

6:00 PM – 8:00 PM

Lavin-Bernick Center for

University Life – Room 215 –

1834 Club

*All Science and Engineering Alumni
are Invited*

More About Alumni Awards »

View All Events »

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