

Winter
2012

NEW WAVE NEWS

Renowned Researcher
Mead Allison Returns to
Tulane »

Biomaterials Expert
Appointed to Jung
Chair »

Alumnus Joins Gulf
Water Institute »

High School Students
Bone Up on Science »

Tulane's Ian Terry wins
"Big Brother" »

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ACCOLADES

Biomedical Engineering Professor Donald Gaver was awarded \$2,999,115 from the NSF to create an interdisciplinary PhD program in Bioinnovation. This 5-year project will support 26 PhD students, and will cultivate their abilities to develop clinically relevant biomedical technologies and devices leading to commercial products. This program couples research with entrepreneurship to develop graduates who can lead the creation of innovative and cost-effective solutions to complex biomedical problems.

Chemical and Biomolecular

Dedication Opens Flower Hall for Innovative Research

Article by Christina Carr

A new era of scientific discovery is under way at Tulane University thanks to the opening of Donna and Paul Flower Hall for Research and Innovation. A dedication ceremony on Tuesday (December 11) commemorated the significance of this historic moment in science and engineering education at Tulane.

[Read Full Story »](#)

Our thanks to all of those whose generous contributions have made Flower Hall possible.

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Photo by Paula Burch-Celentano



Photo by Tracie Morris Schaefer

SSE Event Celebrates the Impact of Endowed Gifts

Article by Christina Carr

On a pleasant November evening, donors, alumni and board members made their way from around town and across the country to a rooftop overlooking the Mississippi River for what has become a tradition of Tulane University's School of Science and Engineering.

[Read Full Story »](#)

Seeking Scientists with Business Sense

Article by Mary Ann Travis

Donald P. Gaver is looking for serious science students who possess a penchant for taking entrepreneurial risks. Gaver, the Alden J. "Doc" Laborde professor and chair of biomedical engineering, is directing a new interdisciplinary PhD program in bioinnovation at Tulane University.



Photo by Paula Burch-Celentano

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Engineering Professor Vijay John was awarded \$367,598 from the NSF to develop a class of nanoparticles that are hollow, lightweight and magnetically responsive, and can be developed into novel sensors and energy related materials.

Chemistry Professor Joel Mague was awarded \$249,200 from the NSF for the purchase of a new X-Ray diffractometer which will expand the capabilities of the Tulane Crystallography Laboratory to handle samples an order of magnitude smaller than is currently possible. The Laboratory, which is directed by Professor Mague, determines the structures of new chemical molecules.

Computer Science Associate Professor Ramgopal Mettu was awarded \$123,323 from the NSF to continue work on developing algorithms for problems in computational structural biology. In particular, Professor Mettu is developing methods to effectively combine experimental and modeling data for problems such as protein structure prediction, protein-protein interactions and compound screening.

Chemical & Biomolecular Engineering Professor Kim O'Connor will be receiving the American Chemical Society's Gaden Award for an outstanding paper published in the journal *Biotechnology and Bioengineering* in the last year.

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FEEDBACK

We Want to Hear From You!

Please send us your feedback on the newsletter to:



Photo by Paula Burch-Celentano

Mathematically Solving Ecological Problems

Article by *Kathryn Hobgood Ray*

Carrie Manore, a postdoctoral fellow in the Center for Computational Science and Department of Mathematics, at Tulane University, is making waves as a promising early career scientist.

[Read Full Story »](#)

Symbiotic Survival of Rare Birds and Rain Forests

Article by *Mary Ann Travis*

On the coast of Ecuador, along the Pacific Ocean, on the western side of the Andes Mountains, lies the Choco rain forest. Here, Jordan Karubian, his students and local residents, whom he's enlisted as "environmental ambassadors," study an endangered species of bird — the long-wattled umbrellabird.

[Read Full Story »](#)



Photo by Jordan Karubian

Upcoming Events

School of Science and Engineering Highlights

13th Annual Tulane Engineering Forum

Friday, April 5, 2013

8 AM – 5 PM

Ernest N. Morial Convention Center

Registration is Required »

School of Science and Engineering Outstanding Researcher Ceremony

Thursday, April 11, 2013

3 PM – 4 PM

Lavin-Bernick Center for University

Life – Kendall Cram Lecture Hall –

Room 213

Everyone is Invited

School of Science and Engineering Research Day – Poster Session

Thursday, April 11, 2013

4 PM – 6 PM

Lavin-Bernick Center for University

School of Science and Engineering Distinguished Leadership Circle Reception & 2013 Science and Engineering Alumni Awards Celebration

Thursday, April 11, 2013

6 PM – 8 PM

Lavin-Bernick Center for University

Life – 1834 Club – Room 215

Invitation Only

For information about Alumni Awards »

School of Science and Engineering 2013 Graduation Celebration Toast & Luncheon for Graduating Seniors

Saturday, May 18, 2013

11:30 AM – 1:30 PM

Mercedes-Benz Superdome –

Claiborne & Iberville Club Rooms –

Loge/Club Level

candy@tulane.edu

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Life – Qatar Ballroom – Room 212
Everyone is Invited

[View All Events »](#)

All science and engineering graduating seniors and their guests are invited to join Dean Altiero and the School of Science and Engineering faculty for a celebration toast & luncheon
Immediately following the conclusion of the Unified Ceremony
Tickets will be required

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

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