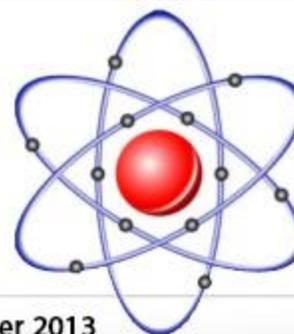




SCHOOL OF SCIENCE

**MONMOUTH  
UNIVERSITY**

WHERE LEADERS LOOK *forward*



Science Buzz: e-newsletter from the School of Science December 2013

## Message from Dean Palladino



Dear Alumni of the School of Science: Please take a few minutes to enjoy this edition of *Science Buzz*. I am excited to call for submissions to our *Art in Science Exhibition*. We are also preparing to congratulate the 45 students expecting to graduate from the school at commencement on January 17, 2014. As always, I welcome the opportunity to hear from you (mpalladi@monmouth.edu, 732-571-3421) and I look forward to seeing you soon. Best regards to all of our alumni for a happy holiday and a prosperous new year.

Michael Palladino  
Dean, School of Science

## In this issue

- Message from the Dean
- We Want Your Images!
- Phase One Renovations Complete
- Blood Drive
- [Win a School of Science notebook](#) by filling out the Alumni Survey
- Featured Alumna
- Featured Alumnus
- Faculty Spotlight

## We want your images! Art in Science: Call for Entries



Monmouth University's School of Science and the Center for the Arts are hosting a special *Art in Science Exhibition* from March 13 - April 30, 2014, in Pollak Gallery. The exhibition is intended to express and highlight the beauty of science through images, drawings, and photos of natural forms and visualization of scientific, mathematic, and engineering processes based on the research and coursework of MU employees, alumni, and students. Images will reveal the elegance of science art in scientific results, observations, and failures. We want your submissions! Please see our [website](#) for more information on entry requirements.

## Important Links



## Phase One Renovations of Edison Complete



Phase one of the renovations to the science facilities was recently completed. The renovated space includes a physics teaching lab (above left), a student-faculty research laboratory suite (above right), three faculty offices, and spaces directed towards small-group learning. Faculty and students are excited at the prospect of working in the new space.

- Department of Biology
- Department of Chemistry, Medical Technology, and Physics
- Department of Computer Science and Software Engineering
- Department of Mathematics
- Urban Coast Institute

### Past Issues of Science Buzz

August 2013

May 2013

December 2012

September 2012

## Blood Drive

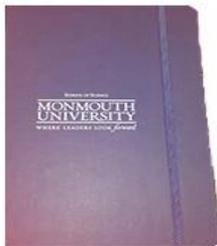


*"The mission of our blood center is to save lives by providing safe, high quality blood products and services to patients in need."*

Student leaders of honors programs, student clubs, peer mentors, and Student Government Association leaders from the School of Science, Marjorie K. Unterberg School of Nursing and Health Studies, and the School of Social Work have joined the Central Jersey Blood Center to lead a blood drive. This drive will be held on campus, Wednesday, February 19, 2014. Contact [science@monmouth.edu](mailto:science@monmouth.edu) if you are interested in being a blood donor.

October 2011

## Tell Us About You!



We take pride in our science, engineering, and mathematics alumni Science Alumni Survey to update your profile, tell us about your successes, and help us serve you better as an alumnus. The first 20 alumni to update their profile who are not in our database will receive a School of Science notebook.

## Alumni Profiles

### Featured Alumna



Ms. Tara Ruda Bloom, Mathematics '08 and MAT '09, teaches geometry at the Education Center in Perth Amboy, NJ. Tara began her education at The University of Rhode Island as a Pharmacy major. Her educational journey took her through Brookdale Community College to Monmouth, where she found a good fit. Tara feels "like I would not be who I am today if I had gone anywhere else for my education."

### Featured Alumnus



Mr. Jonathan Syby, Biology '03, is an associate scientist in preclinical research. For the past seven years he has been able to experience many aspects of the surgical device developmental process and contributed to the launch of over a dozen products. Jonathan is married to alumna Georgiana Sutphen Syby '03 and they have three children.

### Faculty Spotlight

---



Dr. [Zachary Kudlak](#) joins us as an assistant professor in the Department of Mathematics. Since 2010, Zachary was an assistant professor of Mathematics at Mount Saint Mary College. Zachary's recent research focuses on differential equations.

Drs. [Kayla Lewis](#) and [Jonathan Ouellet](#) join us as assistant professors in the Department of Chemistry, Medical Technology, and Physics. Kayla completed postdoctoral research at the University of Chicago and most recently was a postdoctoral researcher at Los Alamos National Laboratory. Kayla's research focuses on analytics and computational simulations of fluid dynamics in a range of geophysical systems. Most recently Jonathan worked as a research associate at Armand-Frappier Institute of the National Scientific Research Institute. His research expertise is in biochemical and biophysical properties of nucleic acids and folding dynamics of nucleic acids.

Mr. [Gil Eckert](#) joins us as an instructor in the Department of Computer Science and Software Engineering and as an assessment project coordinator in the School of Education. Gil has been serving as assessment project coordinator in the School of Education and as an adjunct faculty member in Computer Science.

Dr. [Tiffany Medley](#) joins us as a lecturer in the Department of Biology. Tiffany was employed by Birdsall Services Group as a senior environmental project manager for over 10 years and recently as an adjunct faculty member in Biology. Tiffany will primarily be teaching courses associated with our MEBP program.

Please check out the website for each faculty member for more information on their education and interests.

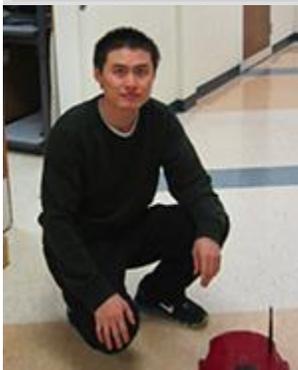
## Support the School of Science



Make a tax-deductible donation to the School of Science today. Your gift will make a difference in the lives of current School of Science students.

Your gift can be designated to the area of your choice, including student scholarships, the Summer Research Program, and facilities improvements.

## Did You Know?



Mr. Bo Ma spent the fall 2013 semester as a Visiting International Scholar in the Department of Computer Science and Software Engineering. Bo is an assistant professor in the School of Computer Science at Xi'an University of Posts and Telecommunications (XUPT) in Xi'an, China. XUPT is one of our partner institutions. Bo's research is in integrated circuit design, embedded system development, and robotics applications. Bo worked with CSSE faculty to enhance the positioning and navigation system of our robotics laboratory.

## Upcoming Events

- **February 1, 2014:** Deadline for submission to *Art In Science Exhibition*
- The 4th Annual Career Choices Round Table will be held on **February 4, 2014, at 5:30 p.m.** in the Club of Magill Commons. Alumni and friends are cordially invited to attend. Please contact Mrs. Margaret Cate, [mcate@monmouth.edu](mailto:mcate@monmouth.edu), if you plan on joining us.
- Special exhibition: *Art In Science Exhibition* from **March 13 - April 30, 2014**, in Pollak Gallery. Check our [website](#) for more information.
- Student Research Conference, **April 16, 2014, 2:30-5:30 p.m.** in Wilson Hall; a post-conference BBQ is planned for Erlanger Gardens, weather permitting. Please visit our [website](#) for more information as the date nears.

SCHOOL OF SCIENCE

MONMOUTH  
UNIVERSITY

WHERE LEADERS LOOK *forward*  
West Long Branch, NJ 07764-1898