This month's newsletter highlights student, faculty and alumni accomplishments and news as well as upcoming events and opportunities. If you have news or photos to submit for a future issue, please send to Jen Sullivan at jlsullivan4@loyola.edu. We are excited to share all that is happening in the sciences!

**STEM Career Fair Recap**

On Wednesday, October 2, students majoring in natural and applied sciences connected with top local employers at the annual STEM Career Fair. Thank you to the Career Center for organizing this opportunity for NAS students!
Ann Ernst, '20, excelling on the court and in the classroom is finalist for national award

Loyola volleyball's Ann Ernst was named one of 10 finalists nationally for the Senior CLASS Award (acronym for Celebrating Loyalty and Achievement for Staying in School). The award honors NCAA Division I senior athletes for their commitment in the classroom, community and on the court. Ernst was named to the All-Patriot League First Team honors in 2018 as well as the Academic All-Patriot League team for her combined excellence in the classroom and on the court. An engineering major, Ernst has received dean's list honors every semester, is an undergraduate research assistant, peer tutor, and member of Loyola's Green & Grey Society. Learn more about Ernst and vote for her as many times as you can between now and December 2 at http://www.seniorclassaward.com/vote/volleyball_2019/

Chemistry major Marin Wiltse, '20, spotlighted in "Our Loyola Community"

Meet Marin, a chemistry major minoring in mathematics, 2019 Hauber research fellow, president of Scientista, peer tutor and lab teaching assistant. Learn more about this superstar senior recently spotlighted in Our Loyola Community.

Loyola student advocates for environmental justice in Baltimore

Madeline Fisher, '20, was profoundly impacted by a "toxic tour" of Baltimore she attended organized by Professor Elizabeth Dahl in 2017. Read more on the Art of STEM blog about her experience and how it inspired her to advocate for environmental justice in Baltimore.

Art of STEM blog
Faculty Spotlight

Loyola Physics department leading Physics Innovation and Entrepreneurship (PIE) at national level

A recent "Physics Today" article, the preeminent journal of the Physics community, highlights the NSF-funded PIPELINE Network, a collaborative project uniting the efforts of seven institutions including Loyola University Maryland to develop and disseminate physics innovation and entrepreneurship (PIE) materials for educators. Bahram Roughani, associate dean for natural and applied sciences and the PI for Loyola's grant, and Randy Jones, associate professor of Physics and co-PI, are actively involved with the PIPELINE Network. Read more at Physics Today.

Robert Pond, Ph.D.

Congratulations to Engineering professor and newly honored ASM Fellow Robert Pond - "For excellence and dedication to the education of college and high school students in materials, metallurgical and mechanical engineering fields."

Alumni Spotlight

Todd Marks, '98, named one of Maryland's Most Admired CEOs of 2019 by The Daily Record

Todd Marks, '98, founder and CEO of Mindgrub was named among Maryland's most admired CEOs of 2019 by The Daily Record. A Loyola alumnus, member of the Natural and Applied Sciences Steering Board, and advocate for the use of technology for greater socioeconomic equality, Todd is much deserving of this honor. He was also recognized as a most admired CEO in 2013. The 2019 Most Admired CEO honorees will be recognized at a celebratory dinner on November 5th. Read more here >>>

Thomas Horn, '13, Computer Engineering

Loyola science alumni provide mentorship and generous support to students and help our programs grow and thrive. Thomas Horn graduated from Loyola in 2013 (Computer engineering concentration) and currently works for Northrop Grumman. Not only does he spend time helping out with the Robotics club, but he is also assisting Professor Hoe with the technical advising of a senior design project, and serves as a member of the Computer Science
Industrial Advisory Board. Please join us in thanking Thomas for his many contributions!

Student Opportunities

Mid-Atlantic Undergraduate Research Conference
March 28-29, 2020 | Virginia Tech

Featuring Arnold I. Caplan, Ph.D., Pioneer in Mesenchymal Stem Cell Research and Director of the Skeletal Research Center at Case Western Reserve University, and Anthony J. Leggett, Ph.D., 2003 Nobel Prize Winner for Condensed Matter Physics and Professor of Physics at University of Illinois

More information for research submission here: https://undergraduateresearch.wvu.edu/whats-new/2019/10/02/mid-atlantic-undergraduate-research-conference

Upcoming Events

Career Night in Mathematics and Statistics
Nov. 12 | 7:30 - 9:30 pm | Fourth Floor Program Room
Join the Math & Stats department for this 38th annual event bringing together professionals from applied mathematics, actuarial sciences, data science, statistics, secondary education and others. Learn about career paths, internship and job opportunities. All members of the Loyola community are welcome. Students considering a major or minor in math, statistics, or data science are encouraged!

Let's Talk Climate Change
Nov. 13 | 6:30 pm | LND Library Auditorium
Talk with chemistry professor Dr. Elizabeth Dahl about some basics of climate change science including the causes and effects of climate change and steps we can all take to help solve the problem. Stay for discussion following the talk.

November Pop-Up Classes
Metal Art Welding
Nov. 4-8 | 5 - 8 pm | DS 043
Instructor: Yanko Kranov
Have you ever seen a metal sculpture while walking around town and wondered how it was made, or wanted to make one yourself? You can learn! Join the engineering department for welding pop-up training in art metals (metals sculpture)!
Register at https://forms.gle/C13F9TNC9UnKQYhT9

Faculty Friday
Sponsored by Community-Engaged Learning and Scholarship and CCSJ
Nov. 8 | 3 - 5 pm | HUG Lounge
Grand Seminar now on YouTube

Ever wonder what lives in our respiratory microbiome, how they interact and why it matters? 2019 Grand Seminar speaker Elodie Ghedin, Ph.D., enlightened us with her talk "Microbial Networking Going Viral."

Watch the 2019 Grand Seminar

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