February 2020 | Issue 17

This month’s newsletter highlights an exciting grant award that will advance biotech innovation at Loyola, alumni research published in Science magazine, many upcoming events and opportunities for students and faculty.

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!

Highlights and General Announcements

Maryland E-Nnovation Initiative Fund grant will advance biotech innovation at Loyola

We are excited to announce that Loyola has been officially awarded a $500,000 grant from the Maryland Department of Commerce. The award matches $500,000 raised by Advancement.

The Maryland E-Nnovation Initiative Fund (MEIF), administered by the Maryland Department of Commerce has awarded $500,000 in funding to Loyola University Maryland to establish an endowed professorship in innovation that will help to expand scientific research in biohealth and promote economic and entrepreneurial success in the state of Maryland. The funding will match $500,000 raised by Loyola to assist with initiatives that foster innovation and entrepreneurship at the University through 2021.

Loyola University press release: Maryland Department of Commerce grant will advance biohealth innovation at Loyola
Loyola launches new brand campaign

Maryland Department of Commerce press release:
Governor Hogan Announces Funding for Research Positions at Four Higher Education Institutions

Loyola Alumni Sean Leonard, ’06, Leads Study at UT to Improve Health of Honey Bees

Loyola alumni and current graduate student at the University of Texas Institute for Cellular and Molecular Biology Sean Leonard is the lead author of a study treating honey bees with a strain of bacteria to fight off Varroa mites. The research of Leonard and his team was recently published in Science magazine.

Read the complete article in Science: https://science.sciencemag.org/content/367/6477/573
Also featured in the American Statesman: https://www.statesman.com/news/20200130/ut-researchers-take-on-honey-bee-decline

Photo below by Ricardo Brazziell, American Statesman

Keynote Speaker Suggestions for Fall 2020 Grand Seminar

Each year natural and applied sciences hosts a yearly seminar with the goal of engaging Loyola students as well as providing an enlightening and informative event for the greater Loyola community. Plans are underway for fall 2020 and we invite you to suggest potential keynote speakers with topics that will appeal to a diverse audience. Please email all suggestions to sciences@loyola.edu before the end of February for consideration.

Loyola launches new brand campaign
Learn more about the updated Loyola brand, how it was developed and your role in making it come to life at the upcoming **Loyola Brand Workshop Open Forum on Wednesday, February 5** from 2 - 3:30 pm in Cohn Hall 133. Register here: [https://www.loyola.edu/department/marketing-communications/submit-request/brand-open-forum](https://www.loyola.edu/department/marketing-communications/submit-request/brand-open-forum)

Read more about the "Loyola Ready" brand refresh here: [https://www.loyola.edu/news/2020/0203-brand-refresh](https://www.loyola.edu/news/2020/0203-brand-refresh)

**Upcoming Events**

**Maymester in Ireland 2020**

*Info session 2/5 @5 in KH311*

Email Dr. Roche broche@Loyola.edu for more information

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**event**

**Spring 2020 Pop-Up Class Series**

**Getting Started with Cricut Design Space**

**Thursday, February 13 | 5-7pm**

**LNDL Innovation Station/Lab B**

Interested in the Cricut Maker? Uncertain where to begin? Join us for a beginner’s session on learning the basics of Cricut Design Space. We will explore the user interface and discuss the functions available in Design Space to create your own projects for the Cricut Maker.

Details at [www.Loyola.edu/Pop-Up](http://www.Loyola.edu/Pop-Up)
Celebration of Science Week coming in February 2020

Join us for Celebration of Science Week, February 17 - 21, 2020!

We are hosting seminars, interactive demos, special events and activities throughout the week. Visit www.loyola.edu/celebratescience for a full schedule of events.

All science departments and student groups are invited and encouraged to participate. Help us share the fun and excitement of the sciences with the Loyola community!

If you are interested in hosting an event or activity and have not already submitted the details, please add to this Google sign up sheet or email to Jen Sullivan, jlsullivan4@loyola.edu.

SUCCESSFUL DATA SCIENCE: TEAMS, TOOLS, TECHNIQUES

EXPERT PANEL DISCUSSION FEATURING DATA SCIENCE PROFESSIONALS

TUESDAY, FEB. 18
6-8:30 P.M.
ANDREW WHITE
STUDENT CENTER
FOURTH FLOOR PROGRAM ROOM
WWW.LOYOLA.EDU/DATASUCCESS
AI Petting Zoo

Monday, February 17th
11am-1pm | LNDL IdeaSpace

Artificial intelligence is accessible!
Learn about some of the building blocks of AI by playing/experimenting with the programs themselves. "Bach-ify" your melody, poke at an Alexa emulator, recognize objects in pictures, and explore natural language.
Details at www.Loyola.edu/Pop-Up

Adobe Premiere Rush

Wednesday, February 19th
6:30-8:30pm | LNDL IdeaSpace

Learn the fundamentals of video editing and production with Adobe Premiere Rush.

Details at www.Loyola.edu/Pop-Up
Student Opportunities

Now accepting applications for 2020-21 University Innovation Fellows

The University Innovation Fellows (UIF) program empowers students to become leaders of change. Interested in learning more about design thinking and building an entrepreneurial mindset?

To apply for the 2020-21 cohort, submit a brief video answering the questions "What would you innovate at Loyola?" by March 9.

Learn more at [www.loyola.edu/uiif](http://www.loyola.edu/uiif) or attend the upcoming info session on February 6 from 4 - 5:30 pm in Sellinger Hall 218.

E-Team Grant Program

VentureWell is seeking student-led teams with science and engineering-based inventions that address the world's biggest problems. Selected teams can receive an E-Team grant and get training through the early-stage innovator training program. [Spring application deadline: February 5](https://venturewell.org/e-team-grant-program/).

Undergraduate Student Research Symposium

Loyola will be holding its annual Undergraduate Student Research & Scholarship Symposium on April 3! Students should submit proposals by February 14, 2020. For more details visit: [www.loyola.edu/usrsc](http://www.loyola.edu/usrsc)
Helpful Links for Undergraduate Research - Still Time to Apply!

Have you considered summer undergraduate research opportunities? Now is the time to think about your summer plans and apply! Visit the below links for details.

Council on Undergraduate Research (CUR) Opportunities
Visit for research opportunities, conferences, fairs, internships, fellowships and more: [www.cur.org](http://www.cur.org)

Additional Summer Research Opportunities
- National Institutes of Health Summer Internship Program in Biomedical Research
- American Association of Medical Colleges Summer Undergraduate Research Programs
- National Science Foundation Research Experiences for Undergraduates
- National Institute of Standards and Technology Summer Undergraduate Research Fellowship (SURF)

Undergraduate Summer Internship at the Quantum Foundry at UC Santa Barbara
The National Science Foundation and UCSB have recently launched the Quantum Foundry internship program to engage science and engineering undergraduate students at the UC Santa Barbara campus for an 8-week summer research experience-June 22-August 14, 2020. The internship pays $4000. For details, visit [https://quantumfoundry.ucsb.edu/education/undergraduate](https://quantumfoundry.ucsb.edu/education/undergraduate). Application deadline is February 11, 2020.

BBWTB Pitch Competition
Undergraduate and graduate students from all schools and disciplines are invited to submit proposals for the "Rising to the Challenge: Ideas to Help Build a Better Baltimore" poster and pitch competition on Wednesday, March 25 from 6 p.m. to 8 p.m. Last year, Sarah Hasnain, a Notre Dame student taking upper level physics courses at Loyola, received first place for her Stell.AR Speller application designed to address the issue of literacy in the Baltimore city schools. Engineering major Rachel Jarman, '21, and her partner Angela Cottini, '21, received second place for their "Robot Roadtrip" pitch.

Wondering how to come up with an idea? Attend the Idea Generation Workshop on Tuesday, February 4 from 7 - 9 pm in Cohn Hall 133. Proposals are due by February 21, 2020. For more information, visit [https://www.loyola.edu/join-us/better-business/pitch-entry](https://www.loyola.edu/join-us/better-business/pitch-entry).

STEM-Away Platform Seeking Student Leaders to Become Student Architects
STEM-Away, a new STEM platform providing pathways to internships and jobs for students, is seeking student leaders to assist with outreach and evolving the platform's tools as experience architects. Gain priority access to STEM-Away events and receive personalized mentoring and showcase leadership skills in front of hiring managers for internships and jobs.

Learn more and sign up to attend an info session at [https://stemaway.com/t/information-session-stem-away-student-architects/486](https://stemaway.com/t/information-session-stem-away-student-architects/486)
Faculty Opportunities

Kolvenbach Research Grant Application Deadline Extended

The application deadline for the Kolvenbach Research Grant Program has been extended to **February 14, 2020**. Students, faculty and staff are invited to apply for funding to support socially engaged research in the local Baltimore community.

For details, visit [https://www.loyola.edu/department/orsp/funding-sources/institutional-funding/kolvenbach](https://www.loyola.edu/department/orsp/funding-sources/institutional-funding/kolvenbach)

Grant opportunities for Biomedical Engineering Faculty and Students

VentureWell, with support from the Whitaker International Program, is implementing a new grants program, BME-IDEA International: Developing Global Connections for US-based BME Design Faculty and Students.

This program will support collaborative project opportunities for US-based biomedical engineering design students and faculty across the BME-IDEA global network and will connect faculty members of the consortium to share resources, best practices, ideas, curriculum, knowledge, challenges, and opportunities around innovation in BME design.

**Faculty Grant Opportunities**
Grants of up to $4,000 will be awarded to US-based faculty for global project explorations and/or experiences to enhance their professional development and knowledge base within the field of biomedical design and innovation.

**Student Grant Opportunities**
Grants of up to $9,000 will be awarded to student teams for the development and implementation of BME projects focused on innovation, design, and entrepreneurship.

**Application deadline is February 26, 2020.**
For details, visit [https://venturewell.org/bme-idea-international](https://venturewell.org/bme-idea-international)

Save the date for the Capital PKAL Regional Network Meeting

*Diverse Tools for Diverse Students: Interdisciplinary STEM Education to Increase Accessibility, Inclusion, and Success.*
**Friday, March 20, 2020 | University of Maryland, Baltimore County**
For more information, visit [https://www.aacu.org/pkal/regional/capital](https://www.aacu.org/pkal/regional/capital)

Stay Connected!