January 2020 | Issue 16

Welcome to the spring semester! This month’s newsletter highlights upcoming events and celebrations, reminders for student and faculty research opportunities and other important dates and deadlines.

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

Natural and Applied Sciences Divisional Medal to be Presented for the First Time to Member of Class of 2020

The Choudhury Sarkar-Dey medal, the first divisional medal at Loyola University Maryland, will be presented for the first time to an exemplary undergraduate from the class of 2020 majoring in the sciences who shows commitment to diversity and engagement with community service and justice. In the coming months, nominations from all departments within natural and applied sciences will be accepted and finalists will be selected and notified. We look forward to highlighting the finalists in the April newsletter and announcing the first Choudhury Sarkar-Dey medal recipient in May. For more information, visit https://www.loyola.edu/loyola-college-arts-sciences/divisions/natural-applied-sciences/student-opportunities/choudhury-sarkar-dey-medal.

Computing Cluster Available to Support Research Projects
The university has a computing cluster available to support faculty-led research projects, sponsored by an NSF grant. The cluster currently supports research in computer science, physics, economics, and engineering, but can support research in any discipline. MATLAB is now available for all faculty to use on the cluster, and other software that can run on Linux can be made available if the faculty member provides any required licenses. Students can also have accounts on the cluster if they are working with a faculty member on a research project. More information about the cluster can be found at https://www.loyola.edu/academics/computer-science/research/computing-cluster. To get an account, please contact George Hall (ghall@loyola.edu). For more information about the cluster, please contact Megan Olsen (mmolsen@loyola.edu).

MathWorks Workshops

Loyola has a licence for MathWorks products as well as student and faculty access to workshops and webinars. Interested in exploring programs like MATLAB? For a complete list of upcoming webinars, visit https://www.mathworks.com/company/events/webinars/upcoming.html.

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 for consideration.

Upcoming Events

Presentation in celebration of Health Outreach Baltimore
Join Dr. Joshua M. Sharfstein for his presentation in celebration of Health Outreach Baltimore's first five years.

“How to Get More Health out of Healthcare”
Thursday, January 23 | 6:30pm | Fourth Floor Programming Room

Light refreshments will be provided. All are welcome.
For more information, contact Daniela Colavita, dcolavita@loyola.edu and Kristina Burns, kmburns@loyola.edu.

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Tech Career Trek to Allegis Group

Join the Career Center for a trek on Friday, January 24 from 9 am - 12:30 pm to the global headquarters of Allegis Group in Hanover, Maryland, the largest privately-held talent management firm in the world. Students will learn more about internship and full-time opportunities, the technology that supports Allegis Group's global operations, industry trends, and how to apply college experiences in the workplace.

Allegis Group is currently seeking Loyola students in technical majors (especially Computer Science, Info Systems, and Data Science) for both:

- Internships (open to all class years)
- Fresher Program (full-time 2-year rotational program gaining exposure to all technical aspects of the business)
For event details and registration, visit the Career Center website or https://loyola.joinhandshake.com/events/408539/share_preview.

Baltimore Environmental Film Series

The Baltimore Environmental Film series will feature 3 films this semester leading up to the 50th anniversary of Earth Day with the theme Climate Action. We hope you’ll attend and join the discussion. More details at www.loyola.edu/join-us/environmental-film-series.

ANTHROPOCENE: THE HUMAN EPOCH
January 29, 6-8 PM
Loyola Notre Dame Library Auditorium

Film Screening & Discussion
January 29, 6 – 8 PM
Loyola Notre Dame Library Auditorium
Celebration of Science Week coming in February 2020

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

We are planning seminars, interactive demos, special events and activities throughout the week. 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!

Please submit your event and activity details along with the date and time, preferred location, and faculty or student contact info using this Google sign up sheet or email to Jen Sullivan, jlsullivan4@loyola.edu, by Friday, January 31 (the sooner the better!).

Student Opportunities

Helpful Links for Undergraduate Research - Application Deadlines for Summer Programs Quickly Approaching!

Have you considered summer undergraduate research opportunities?

Application deadlines are quickly approaching now through February with some as early as this week.

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

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. Application deadline is February 11, 2020.

Kolvenbach Programs at Loyola

Loyola University Maryland offers the Kolvenbach Research Grant Program to foster and encourage socially engaged research. The program seeks to honor Loyola's research strengths and galvanize the institution's commitment to faith and justice work that serves the needs of the underserved in the
Hauber Summer Research Fellowship Program at Loyola

Each summer, a select group of Loyola undergraduate students from natural and applied sciences work side-by-side with faculty mentors to conduct research in the students’ area of interest. The program runs for 10 weeks during the summer and students receive a $5000 stipend.

Visit www.loyola.edu/hauber for details and to apply. Application deadline is Friday, January 31, 2020.

Research Presentation Webinars for Student Researchers

Excellent resource for student researchers! All interested students are welcome to check out the following free webinars hosted by American Association for the Advancement of Science (AAAS):

- **How to Deliver an Excellent Poster Research Presentation**, Thursday, January 23 at 1 pm. Registration: [https://register.gotowebinar.com/rt/9203641704790120205](https://register.gotowebinar.com/rt/9203641704790120205).
- **How to Deliver an Excellent Oral Research Presentation**, Thursday, January 16 at 2:00 pm and Monday, January 20 at 1:00 pm. Registration: [https://register.gotowebinar.com/rt/3323495300885966093](https://register.gotowebinar.com/rt/3323495300885966093).

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**. For more information, visit [https://www.loyola.edu/join-us/better-business/pitch-entry](https://www.loyola.edu/join-us/better-business/pitch-entry).

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.** For more information, visit [https://venturewell.org/e-team-grant-program/](https://venturewell.org/e-team-grant-program/).
Faculty Opportunities

Nominations for Faculty Award for Transformative Teaching

Help highlight and give recognition to the fantastic work being done by faculty in the sciences! Please consider nominating colleagues for achievements in imaginative teaching practices. The nominations are due to the committee by Friday, January 17. To nominate a colleague, visit https://www.loyola.edu/department/academic-affairs/faculty-recognition/faculty-award-for-transformative-teaching.

Summer Research Grants - Apply by January 17

This program offers $4,000 stipend to tenured and tenure-track faculty members to conduct research in their discipline. Applications due Friday, January 17. For more information, visit https://www.loyola.edu/department/orsp/funding-sources/institutional-funding/summer-research.

Digital Pedagogy Workshop 2020

The Office of Digital Teaching & Learning will offer a two-week intensive workshop for Loyola faculty to be held Tuesday, May 26 - Friday, June 5 and can accommodate up to 10 full-time faculty. Faculty receive a stipend of $2,000 upon successful completion of the workshop. Applications due by January 31, 2020. For details and to apply, visit https://www.loyola.edu/department/digital-teaching-learning/programs-projects/digital-pedagogy-workshop.

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

Stay Connected!

Art of STEM blog