This month’s newsletter highlights summer programs engaging with the local community and student success on a national level from competitions to research presentations. If you have news, updates, or photos to submit for a future issue, please email Jen Sullivan. We are excited to share all that is happening in the sciences!

Summer programs at Loyola inspire Baltimore City youth to innovate and explore STEM

Loyola Engineering professor Dr. Suzanne Keilson is teaming up with two programs this summer to inspire local youth to pursue interests in science and engineering. Engineering Innovation, a program developed by Johns Hopkins University, is a four-week summer program available to motivated high school students who receive JHU credit upon successful completion. The program attracts a global and local cohort of students to a variety of institutions, including Loyola. Students complete hands-on projects, attend college-level lectures, solve problems, test theories, and learn to think like engineers. The EI program at Loyola runs from June 24—July 19, 2019.

Loyola welcomes local wrestler-scholars from Beat the Streets Baltimore to campus for the second year for a three-week program which runs from July 15 - August 2, 2019. The program this year includes athletic training and competition in wrestling, SAT prep, and a focus on financial literacy. This program is a cross-campus collaboration between Beat the Streets, Dr. Keilson, Center for Community Service and Justice (CCSJ), and many others including the Fitness and Aquatics Center (FAC), Career Center and Admissions, providing a robust experience for the high-school aged students.

Biology professor and director of Forensic Studies at Loyola Dr. David Rivers and affiliate biology professor Dr. Alan Thoms-Chesley are developing and implementing a one-week forensic academy in July for high school students from Baltimore City. The NIH has awarded University of Maryland and, by subaward, Loyola/David Rivers a R25 Science Education Partnership award. Students will spend the first four weeks of the summer program at University of Maryland Baltimore studying topics ranging from health care to nutrition to cancer biology. The final week-long module taking place at Loyola from July 29—August 2, 2019 will focus on forensic science, relying on hands-on activities, discussions, and presentations from the Baltimore City Police Forensic Unit, ATF agents, and local forensic experts. The first year award is for $10,812. Subsequent awards for the same amount are expected over the next three years.

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Summer Events and Opportunities

UAV team participates in first competition

Biology students present research at national meeting in San Francisco

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Opportunities & Events

Hauber Research Presentations
July 10—August 7, 2019
Join us for lunch and presentations by this summer’s Hauber research fellows each week from July 10—August 7.  
More info >>>

Beat the Streets Baltimore
July 2019
Details on page 1.  
More info >>>

Forensic Academy
July 2019
Details on page 1.  
More info >>>

Engineering Innovation
June 24—July 19, 2019
Details on page 1.  
More info >>>

National Astronomy Teaching Summit
July 16—18, 2019
National astronomy teaching conference coming to Loyola this month!  
More info >>>

SAVE THE DATE!
STEM Career Fair
Wednesday, October 2, 2019
3:00—5:00 pm
McGuire Hall
Fantastic opportunity for students studying engineering, life and physical sciences, math and statistics, computer science, data science, and information systems to connect with employers seeking interns and full-time employees. Employer registration deadline is September 11. Contact Olivia Zug, Assistant Director for Career Services, for details—410-617-2558.

STUDENT SUCCESS

Loyola’s UAV Team participates in first competition
Loyola’s UAV team participated in the AUVSI SUAS Competition on June 15, 2019 at the Patuxent River Naval Air Station in Maryland. Placing 25th out of 75 teams, the team was awarded a total of $700 in prize money, including $200 for flight, $250 for autonomous flight, and $250 for waypoint capture. It was a successful first competition for the team. To view the competition results, visit www.auvsi-suas.org/competitions/2019.

For more information about Loyola’s UAV team, contact Jack Cannon, jacannon@loyola.edu.

Biology students present research at national meeting
Biology majors Christina Kingsley, ’19, Kathryn Lackey, ’20, and Alyssa Hubal, ’20, presented their research at ASM Microbe 2019, the largest gathering of microbiologists in the world, in San Francisco from June 20—24, 2019. Christina was a 2018 Hauber fellow while Kathryn and Alyssa are both 2019 Hauber fellows researching the effects of black tea on the immune system with Dr. Christopher Thompson.