

A large, white, serif capital letter 'H' is centered over a green-tinted photograph of a historic building with a central tower and arched windows, surrounded by trees and a lawn.

Hopkins

A large, white, serif capital letter 'O' is centered over a green-tinted photograph of a modern building with a curved glass facade and multiple levels.

Office for



Undergraduate

A large, white, serif capital letter 'R' is centered over a green-tinted photograph of a modern city skyline at night, with illuminated buildings and streets.

Research

Annual Report 2017

Increasing Access

Celebrating Success

TABLE OF CONTENTS



Hopkins

INTRODUCTION



Office for

INCREASING ACCESS



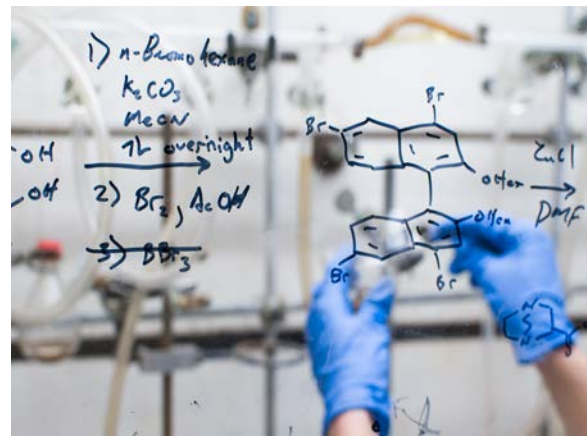
Undergraduate

CELEBRATING SUCCESS



Research

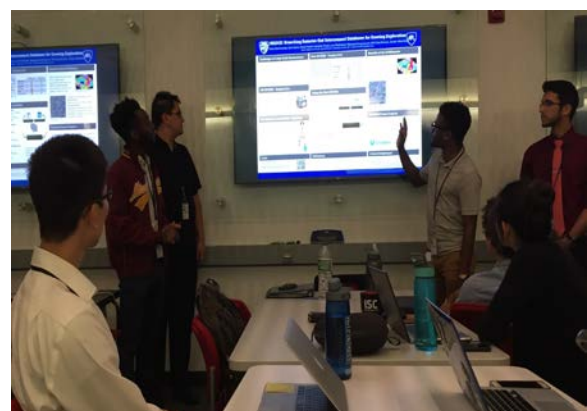
INTRODUCTION



Research has been at the heart of the Johns Hopkins University since its establishment in 1876 as America's first research university. Today, over 70% of our undergraduates participate in some form of research during their time at Hopkins.

The Hopkins Office for Undergraduate Research mission is to connect students with research opportunities and mentors across all divisions of the university.

HOUR also recognizes and celebrates the scholarly, creative, and research accomplishments of our undergraduates by sharing their successes and providing venues to present their work.



INCREASING UNDERGRADUATE ACCESS TO RESEARCH

A large, white, serif capital letter 'H' is centered over a background image of a historic building with a central dome and classical architectural details.

Hopkins

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Office for



Undergraduate

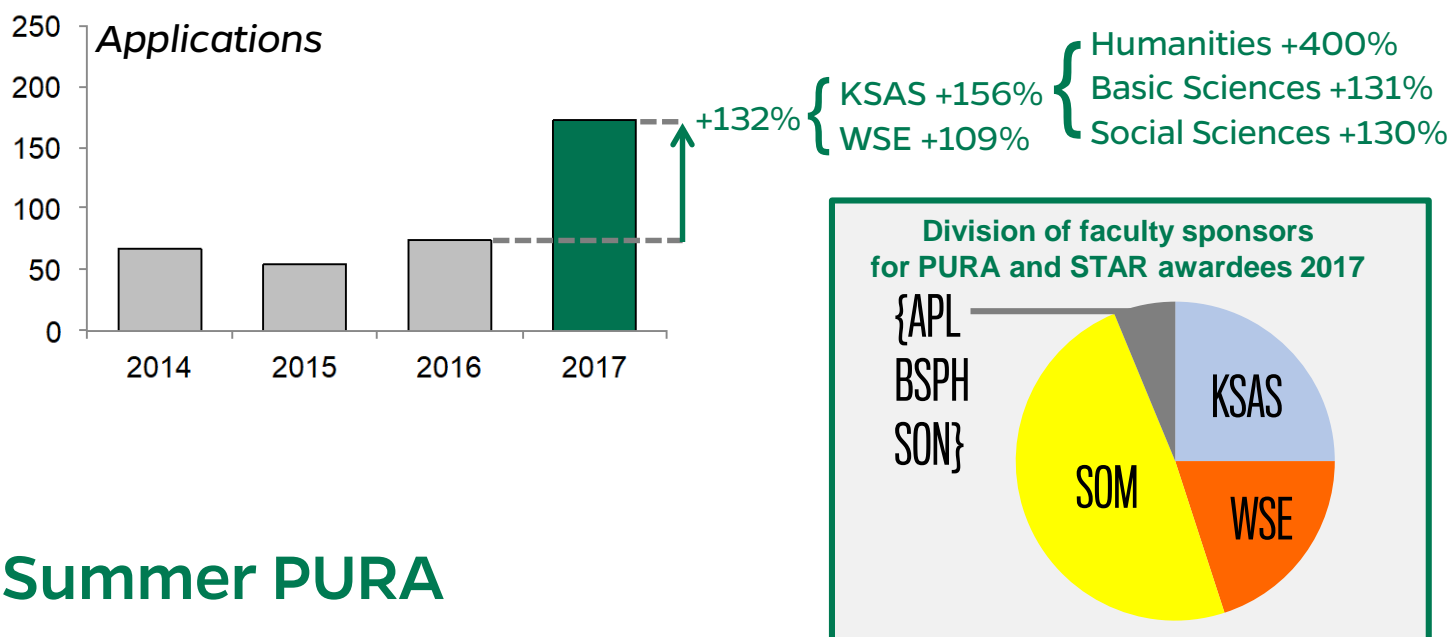
A large, white, serif capital letter 'R' is centered over a background image of a modern city skyline at night with illuminated buildings.

Research

Increasing undergraduate access to research

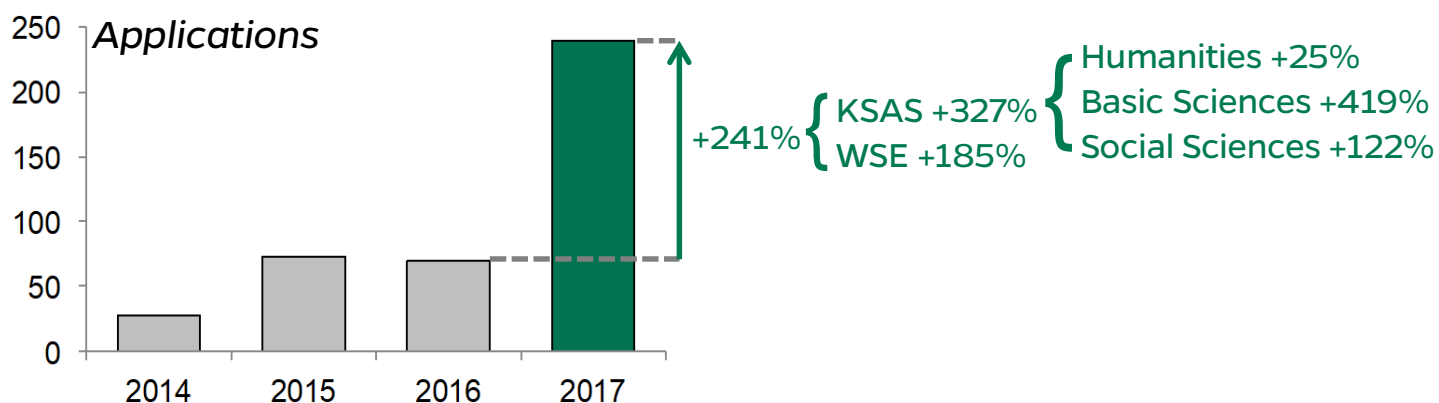
PURA: Provost's Undergraduate Research Awards

PURA, endowed by the Hodson Trust, provides *academic-year* stipend and research support to undergraduates mentored by JHU faculty. Applications to PURA **more than doubled** in 2017.



Summer PURA

Summer PURA provides *summer* stipend and research support to undergraduates mentored at Hopkins. Summer PURA replaced the Spring PURA cycle, offering students the opportunity to stay at Hopkins for a summer project. Applications to the first Summer PURA cycle **more than tripled** those for Spring PURA.

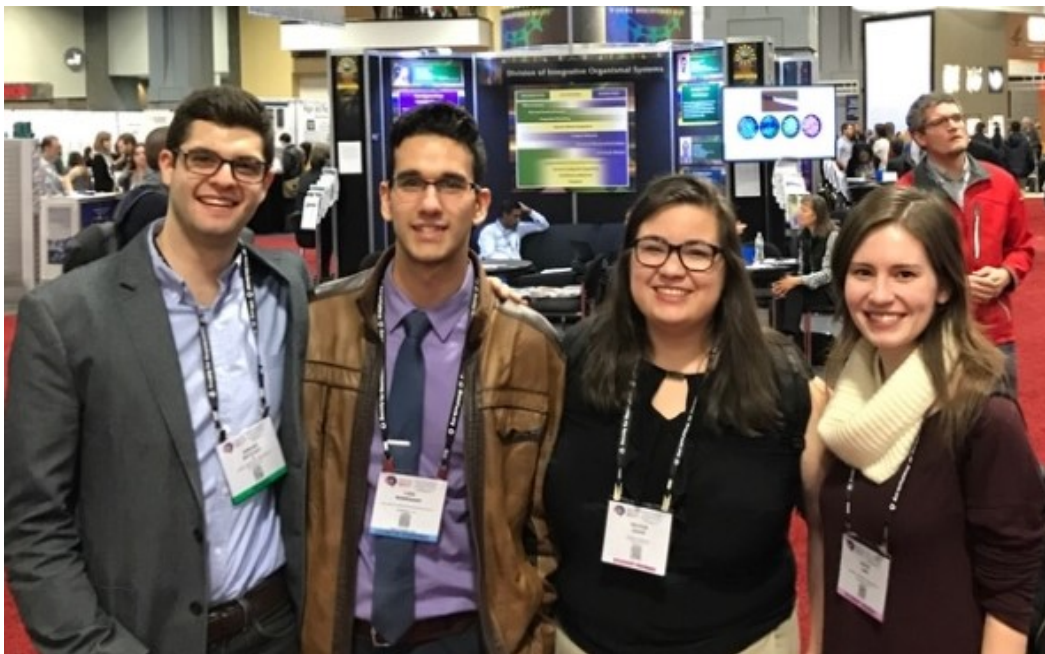
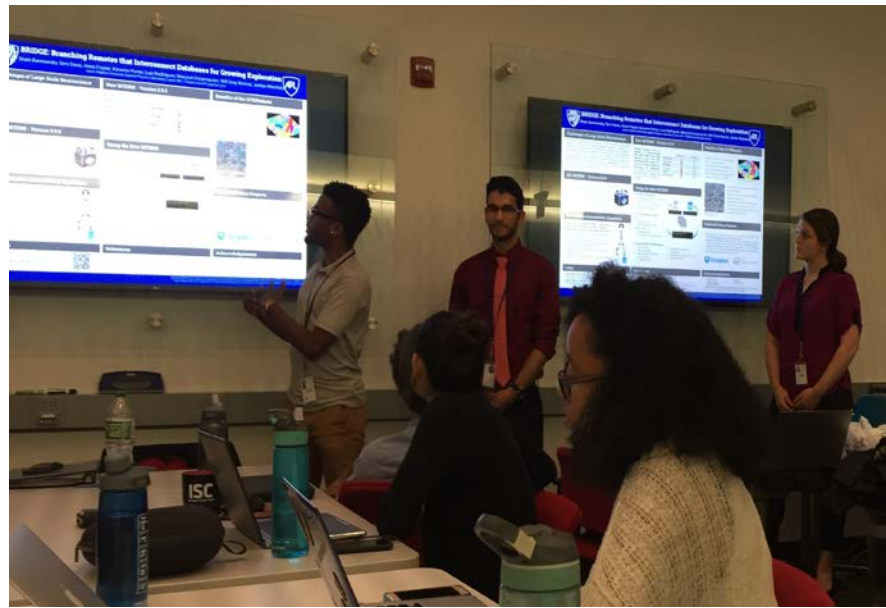


Increasing undergraduate access to research



Connectomics Institute for Reconstructing Cortex: Understanding Intelligence Together

CIRCUIT, a new collaboration with the Applied Physics Lab (APL), gives students the opportunity for training and research in the cutting-edge field of **brain connectomics**. Mentored by the engineer-researchers at APL, students get hands-on experience, work with real data, and design, implement and test their own research tools.

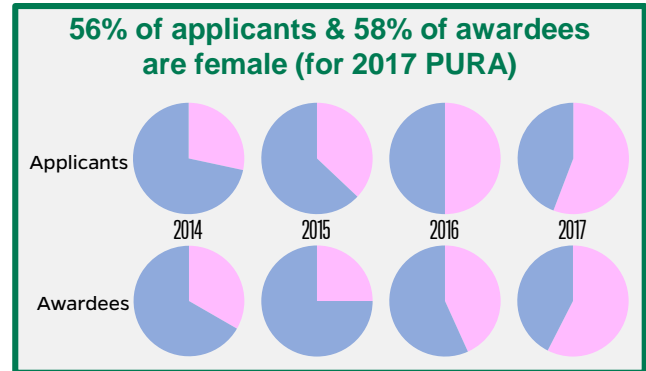


The CIRCUIT program supported 23 students in their first cohort. These students were able to present their research at the Society for Neuroscience 2017 Annual Conference in Washington, D.C.

Three of these students were hired into full time positions at APL as a direct result of this program.

Increasing undergraduate access to research

We reviewed **481** applications for awards from students, and **133** students received research support from PURA, Summer PURA, or CIRCUIT



The 'Front Door' for undergraduate research at JHU

HOUR is the first point of contact for undergraduates interested in research.

We help students match interests with mentors and projects.

And we help mentors find qualified students for specialized projects.

>250

student enquiries by email, phone, drop in, and appointment - asking about funding opportunities & how to find a research position

>450

first year and transfer students attended the HOUR sessions on how to take part in research at JHU

>40

students attended our session on REUs (Research Experiences for Undergraduates) at other institutions

We also met with deans, chairs, program directors, faculty, staff and student groups to collaborate in promoting undergraduate research

CELEBRATING UNDERGRADUATE SUCCESS IN RESEARCH

A large, white, serif capital letter 'H' is centered over a background image of a historic building with a central dome and classical architectural details, surrounded by green trees and a lawn.

Hopkins

A large, white, serif capital letter 'O' is centered over a background image of a modern building with a curved glass facade and a visible interior structure.

Office for



Undergraduate

A large, white, serif capital letter 'R' is centered over a background image of a modern city skyline at night, with illuminated buildings and a bridge.

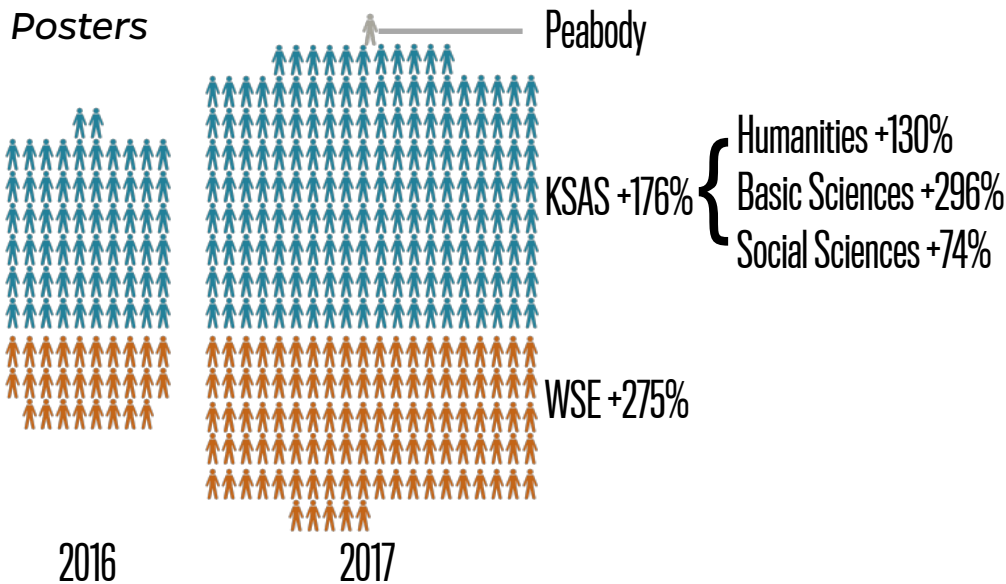
Research

Celebrating undergraduate success in research

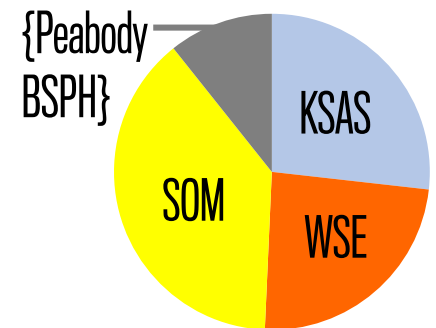
DREAMS: A day to showcase undergraduate research, scholarly & creative projects from across the university

DREAMS took over from Undergraduate Research Day (URD), which was hosted by the Neuroscience program and open to the university. The number of student-presented posters at DREAMS in 2017 **tripled** the number at URD in 2016.

Posters



Division of faculty mentors for DREAMS presenters 2017



DREAMS



Celebrating undergraduate success in research



HOUR hosts a brown-bag Student Seminar Series where undergraduates have an opportunity to present their research, projects or experiences from any discipline on a selected topic in a seminar format followed by a panel Q & A session.

Topics include: Cancer, the Community, the Brain, the World, the Heart



Using social media to connect and celebrate our students

Until HOUR, there had not been a consistent source of information & promotion for undergraduate research at JHU. We have established a **website** to provide students with a single destination for all research funding, training, events, and other relevant opportunities across the university. Our **Twitter** and **Facebook** accounts promote relevant events and opportunities directly to students and faculty, and distribute stories of undergraduate research excellence.

Two undergraduate students, Ellisa Brown and Taskin Forkan, manage our marketing and website to ensure that we reach undergraduates.

A large, white, serif capital letter 'H' is centered in the top panel. The background is a green-tinted photograph of a historic building with a central tower and arched windows, surrounded by trees and a lawn.

Hopkins

A large, white, serif capital letter 'O' is centered in the second panel. The background is a green-tinted photograph of a modern building with a curved glass facade and multiple levels.

Office for



Undergraduate

A large, white, serif capital letter 'R' is centered in the bottom panel. The background is a green-tinted photograph of a modern building with a curved glass facade and multiple levels.

Research

ACKNOWLEDGMENTS

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