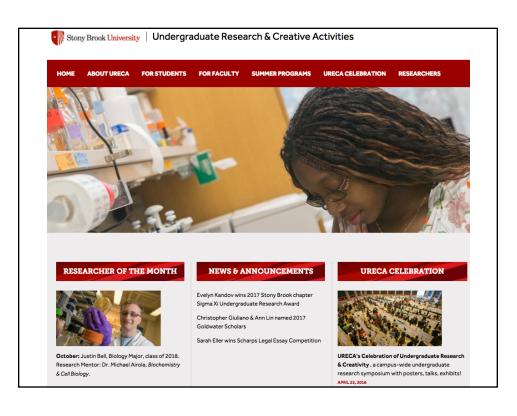


Pathways to engage in research at Stony Brook: Entering Research Workshop: Provides a coherent and transparent pathway to research for students & faculty, offered by Biology Program every semester to qualified students - 27 students in Fall 2017 Workshop. URECA: Travel funds and summer research support for students engaged in undergraduate research - 24 undergraduates received URECA awards to support research in the life sciences in the summer of 2017. Explorations in STEM Program: Summer stipend support & housing for students to explore research - 20 students supported in summer of 2016. IMSD-MERGE: NIH-funded program for students planning to go to graduate school. Provides summer support prior to junior and senior years, financial support and career development opportunities year round – 10 IMSD undergrads received support for research during the summer of 2017. iGEM (International Genetically Engineered Machines): Student-led research competition involving a summer project in the field of synthetic biology that is presented at the iGEM International Jamboree in the fall - 16 member SBU 2016 iGEM team earned a Silver Medal at the Jamboree in October!





| Stony Brook University Undergraduate Research & Creative Activities | | | | | |
|---|---|-----------------------|------------------------------|---|--|
| HOME ABOUT URECA FO | DR STUDENTS | FOR FACULTY | SUMMER PROGRAMS | URECA CELEBRATION | |
| RESEARCHERS | | | | | |
| Home > Summer Research | | | | | |
| Summer Research | Summe | r Opportur | nities for Resear | ch | |
| URECA SUMMER | | | | | |
| EXPLORATIONS IN STEM | Be sure to explo | re the on-campus prog | ram options including: | | |
| ON-CAMPUS OPPORTUNITIES | URECA Sur | nmer | | | |
| OFF-CAMPUS OPPORTUNITIES | Exploration IMSD-MER | | | | |
| OPPORTUNITIES FOR NON- STONY BROOK STUDENTS | REU: Nanot REU: Chem | | n, Energy and the Environmen | at a start a st | |
| | | | | | |
| | | | | | |

| Summer Research | URECA Summer Program |
|---|---|
| URECA SUMMER | Application Deadline: March 10, 2017 (Deadline for 2018 summer program TBA!) |
| EXPLORATIONS IN STEM | Dates: |
| ON-CAMPUS OPPORTUNITIES | May 30 - August 4, 2017 |
| OFF-CAMPUS OPPORTUNITIES | Description: The URECA (Undergraduate Research and Creative Activities) Program supports SB students doing full-time faculty- |
| OPPORTUNITIES FOR NON-STONY BROOK STUDENTS | mentored research or creative activity for ten weeks. At the end of the ten-week period, the URECA participants will prepare abstracts of their work and commit to presenting their work at the University's annual poster symposium in the following spring. |
| | Award: URECA Summer Research Program participants receive a \$4,000 stipend. URECA students may opt to live on-campus during the URECA fellowship period but will responsible for paying their housing bill and should consult the Campus Residences Website for online housing forms, rates, and housing-related questions. |
| | Eligibility: This program is open to all current Stony Brook undergraduates except those graduating in May 2017. Applications should be submitted with an intended sponsor/mentor and project. Please note that URECA participants who wish to take classes or work at another job [limited hours only] during the program should obtain written permission from their faculty mentor and notify URECA at the time of application. |
| | Application: The application packet consists of the following: |
| | a completed application form, including: Part 1 - online; Part 2 - a personal statement + research project proposal (see application instructions below); a transcript (unofficial); a letter from the sponsoring faculty member; and a supplemental form (recommended for students who wish to be considered for the URECA Explorations in STEM program): Pell eligible and/or underrepresented freshmen/sophomores are especially encouraged to apply. |
| | The sponsoring faculty member's letter should comment on the student's research or creative capabilities and potential to carry out the specified project. |
| | Candidates should submit a copy of the completed application (including part 2, transcript, letter) by March 10th to URECA, Melville Library N-3070-3071, Stony Brook University, Stony Brook, NY 11794-3357. |

| Stony Brook University Undergraduate Research & Creative Activities | | | | | |
|---|---|--|--|--|--|
| HOME ABOUT URECA FOR S | TUDENTS FOR FACULTY SUMMER PROGRAMS URECA CELEBRATION RESEARCHERS | | | | |
| Home > Summer Research > Explorations in STEM | | | | | |
| Summer Research | Explorations in STEM - PSEG Scholars | | | | |
| URECA SUMMER | Application Deadline: | | | | |
| EXPLORATIONS IN STEM | тва | | | | |
| ON-CAMPUS OPPORTUNITIES | Dates: | | | | |
| OFF-CAMPUS OPPORTUNITIES | The Explorations in STEM program will be offered in summer 2018! | | | | |
| OPPORTUNITIES FOR NON-STONY BROOK STUDENTS | Description: The Explorations in STEM program administered by the Dept. of Technology & Society, URECA and the Career Center seeks to provide research/professional development in STEM areas to undergraduate students. Students with demonstrated need (e.g. Pell-eligible students) and/or underrepresented students, particularly freshman/sophomores considering STEM careers, are encouraged to apply. This program particularly encourages the application of students majoring in electrical, mechanical, civil engineering and chemical engineering. | | | | |
| | The Explorations in STEM supports SB students doing full-time faculty-mentored research in a STEM field for ten weeks A major component of the program is the opportunity for students to participate in the weekly professional development workshops/events, which include workshops on communicating science, poster design, applying to graduate school, etc. At the end of the ten-week period, the participants will prepare abstracts of their work and will be required to present at the closing poster symposium at the end of the summer. Exploration in STEM participants are also required to present their work at the University's Celebration of Undergraduate Research & Creativity in the following spring. | | | | |

History:

This program was established at SB in Summer 2013 as part of a SUNY-wide initiative to increase student retention in STEM fields, and was sponsored by the SUNY Research Foundation, and the Office of the President. In Summer 2014, the program was renewed, and expanded, with increased support from the Office of the President and the Office of the Prevaident and the Prevaident and the Office of the Prevaident and the Office of the Prevaident and the Prevaident and the Office of the Prevaident

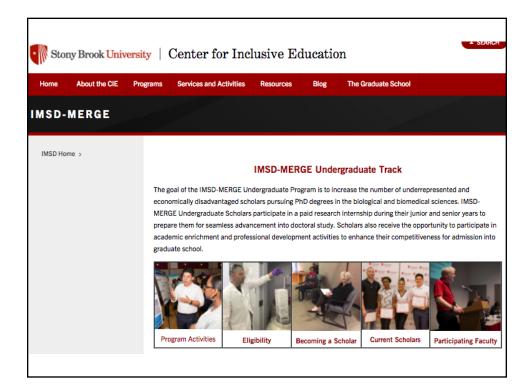


Explorations in STEM -PSEG Scholar participants 2015 (left) and 2016 (right).



Explorations in STEM participants 2013 (left) and 2014 (right)





| IMSD-MERGE | |
|-------------|--|
| IMSD Home > | |
| | IMSD MERGE Undergraduate Scholars: Timeline of Activities |
| | Summer Research Experience (Before Junior Year) |
| | Full-time Paid Research Experience Supervised by a Faculty Mentor |
| | Research and Graduate School Preparation Workshops |
| | Poster Presentation at Undergraduate Symposium and Closing Ceremony |
| | On-campus lodging and meals provided to all participants |
| | Research Internship (Junior Year) |
| | Paid Academic Year Research Internship (8 hours per week) |
| | Poster Presentation at Stony Brook URECA |
| | Presentation/ Talk at National Conference |
| | External or Internal Summer Research Program |
| | Graduate School Preparation (Senior Year) |
| | Science and Proposal Writing Workshop |
| | Paid Academic Year Research Internship/Tutoring in BioMath Learning Center |
| | Application to Doctoral Degree Program |

iGEM & the Synthetic Biology Society be on the lookout for 2018!!

2017 iGEM Application: Interested in becoming involved in a student-led research project? iGEM at Stony Brook is entering the iGEM (International Genetically Engineered Machine) competition for the fourth time. Teams will design and construct projects in the field of synthetic biology, which is a currently emerging field that involves manipulating the DNA of organisms to allow them to perform a novel function that would be beneficial to our society. The tentative timeline for the project is as follows: brainstorming and preparing in the Spring semester during the 1-credit reading course that meets once a week for two hours, performing most of the lab work throughout the summer, and completing the finishing touches of the project in the Fall semester, leading up to the Giant Jamboree presentation in November.

Application deadline is December 31st, 2016 at 11:59 PM To be considered for the 2017 iGEM team, please fill out the application: <u>https://docs.google.com/a/stonybrook.edu/forms/d/e/1FAIpQLS</u> <u>dwo3s8bRIfVS AkAC15k3lcthDsrmZpp m2 f2cc8oxTZQPg/viewform</u> Email <u>ig</u> <u>em.sbu@gmail.com</u> with any questions!

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