

## Opportunities Week of 2/23/18

**IMSD-MERGE Info Session:** Please join us for IMSD-MERGE Info Night to learn how you can participate in paid research experiences that will make you competitive for doctoral study. IMSD-MERGE is open to underrepresented and underserved undergraduate students in biological and biomedical science majors. **Info session is on Monday, February 26<sup>th</sup> at 6 PM in the Center for Inclusive Education (2401 Computer Science Building). Pizza will be provided**

For more info, see attached flyer.

**Reminder: Undergraduate Research Opportunities in the Sheltzer Lab at Cold Spring Harbor:** Dr. Sheltzer is currently seeking undergraduate researchers for a cutting-edge project applying CRISPR to dissect drug targets in breast cancer. The position can pay hourly or provide course credit, depending on the student's preference.

For position requirements and application instructions, please see attached flyer.

**Princeton Review Free Practice Tests:** Stony Brook University has partnered with the Princeton Review to provide free practice tests and on campus prep for the LSAT, GRE, and MCAT. Stony Brook students and alumni can also receive 15% off test prep.

To see a list of upcoming free events or sign up for test prep, see [here](#).

**PennVet VMD-PhD Combined Degree:** Earning a combined VMD-PhD degree at the University of Pennsylvania's School of Veterinary Medicine can prepare you for more than you think. As part of the University of Pennsylvania, Penn Vet is a premier veterinary college and a key partner in one of the world's great biomedical research centers. The crucial interrelationship between animal health and human health –**Many Species, One Medicine**<sup>™</sup> – is at the heart of our research tradition

For more info, go to <http://www.pennvetphd.org/>

**Masters in Cognitive Neuroscience at CUNY Graduate Center:** This new program is admitting students for the Fall 2018 semester. CUNY's M.S. in Cognitive Neuroscience is an affordable, 32-credit program designed for exceptional students with diverse backgrounds who wish to gain knowledge of the biological bases of cognitive functions, including perception, attention, memory, language, and decision making. The program will help students build a bridge between cognitive neuroscience and its applications in the fields that interest them, such as biotechnology, health care, medical imaging, data science, forensics and more.

Info session will be held Wednesday, March 14<sup>th</sup>, 4-6PM. Register for info session [here](#).

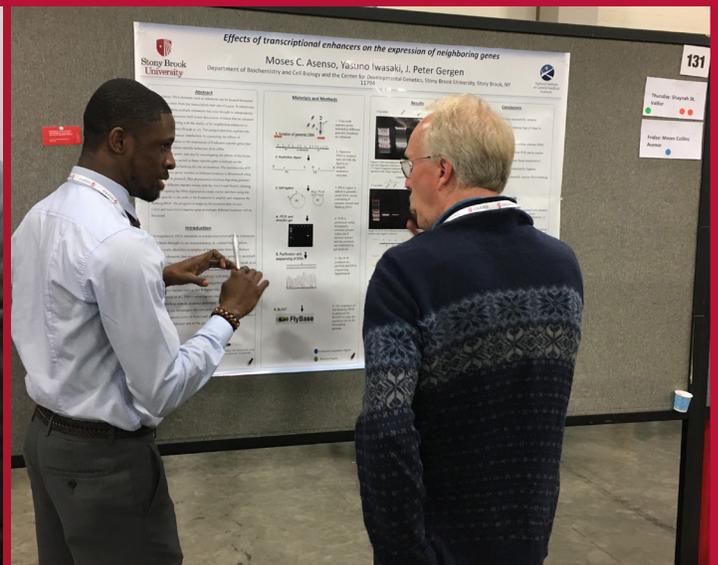
For more info and to apply, see <http://www.gc.cuny.edu/cognitiveneuroscience>

\*Disclaimer: Undergraduate Biology does not endorse or take responsibility for any off-campus programs listed in Opportunities emails. While we do our best to vet any opportunity that is shared, please let us know immediately if you are suspicious of any employers/programs.

# NIH IMSD-MERGE @ SBU

## Info Night - Monday, February 26 at 6pm

Please join us for IMSD-MERGE Info Night to learn how you can participate in paid research experiences that will make you competitive for doctoral study. IMSD-MERGE is open to underrepresented and underserved undergraduate students in biological and biomedical science majors.



The goal of IMSD-MERGE is to increase the number of underrepresented and underserved Stony Brook students who go onto graduate education in preparation for successful research careers in the biomedical sciences. The program provides undergraduates access to a range of career development activities, including faculty-supervised research experiences during the junior and senior years and the preceding summers.

### Monday, February 26 at 6:00 pm

Center for Inclusive Education  
2401 Computer Science Building  
Dinner will be provided.

For accessibility-related accommodations, please call 2-1386.



IMSD-MERGE is funded by the National Institutes of Health.  
For more information, please visit: [www.bit.do/imsdmerge](http://www.bit.do/imsdmerge)

Contact: Angel Gonzalez, Ph.D.  
(631) 632-1385 or [Angel.I.Gonzalez@stonybrook.edu](mailto:Angel.I.Gonzalez@stonybrook.edu)





## Analyzing breast cancer genomes with CRISPR at Cold Spring Harbor Laboratory

The Sheltzer Lab at Cold Spring Harbor Laboratory is seeking undergraduate researchers for a cutting-edge project applying CRISPR to dissect drug targets in breast cancer. The position can pay hourly or provide course credit, depending on the student's preference.

Cancer cells require the expression of certain genes, called “addictions” or “genetic dependencies”, that encode proteins necessary for tumor growth. Targeting the proteins encoded by these genes can trigger cell death and durable tumor regression. The Sheltzer Lab is applying CRISPR to study genetic dependencies in breast cancer in order to identify new therapeutic vulnerabilities and targets for drug development. Additionally, through CRISPR mutagenesis, we investigate the on-target and off-target effects of breast cancer drugs, with profound implications for their clinical use.

More information on our previous research can be found in these publications (written by Stony Brook undergraduates):

*Lin, A., Giuliano, C.J., Sayles, N.M., and Sheltzer, J.M. (2017) [CRISPR/Cas9 mutagenesis invalidates a putative cancer dependency targeted in on-going clinical trials](#). eLife, 6:e24179.*

*Giuliano, C.J., Lin, A., Smith, J.C., Palladino, A.C., and Sheltzer, J.M. (2017) [Combining CRISPR/Cas9 mutagenesis and a small-molecule inhibitor to probe the function of MELK in cancer](#). bioRxiv.*

### Position Requirements

- Ability to work in the lab at least 12 hours a week (which could include evenings and weekends, based on the student's preference, though work during those hours is not a requirement).
- Ability to get to/from Cold Spring Harbor Laboratory.
- Prior lab experience in molecular biology is preferred but not mandatory.
- Strong communication, organization, and data analysis skills.

More information can be found on the Sheltzer lab website: <http://sheltzerlab.labsites.cshl.edu/>.

Interested students should send a CV and cover letter to Dr. Sheltzer at [sheltzer@cshl.edu](mailto:sheltzer@cshl.edu).



## Get a score that opens doors.

We're proud to announce that **Stony Brook University** has partnered with The Princeton Review to provide **free practice tests and on campus prep for the LSAT® , GRE® , & MCAT®**.

Check out upcoming free practice tests below:

**March 3<sup>rd</sup> 9am-4:30pm** MCAT Free Practice Test

**March 3<sup>rd</sup> 10am-2pm** LSAT Free Practice Test

**March 4<sup>th</sup> 10am-2pm** GRE Free Practice Test

**April 7<sup>th</sup> 10am-2pm** GRE Free Practice Test

**April 8<sup>th</sup> 9am-4:30pm** MCAT Free Practice Test

**Stony Brook student & alumni receive 15% off\* any test prep option! Visit [PrincetonReview.com/StonyBrook](https://PrincetonReview.com/StonyBrook) to enroll.**

\*The 15% discount is valid only on new enrollments between July 7, 2017 and July 7, 2019 in MCAT, GRE, GMAT, LSAT, DAT, and OAT comprehensive prep programs only. Discount cannot be combined with any other offer (except the referral program) and is available to Stony Brook University students and Alumni in the U.S., Puerto Rico, and Canada only. Discount is not applicable to GRE Self-Paced or MCAT Immersion programs. Test names are registered trademarks of their respective owners. The Princeton Review is not affiliated with Princeton University.