

## Opportunities Week of 11/3/17

**Undergraduate Research Opportunities in the Rest Lab:** Dr. Rest's lab, from the department of Ecology and Evolution at Stony Brook, is currently looking for undergraduate research help. They are an evolution lab interested in the evolution of expression variation in isogenic populations, and whether there are any fitness consequences associated with an expression distribution. The project involves genetic transformations using homologous recombination in different backgrounds of *Saccharomyces cerevisiae*, the purpose of which is to tag genes of interest with GFP reporters. There is also an opportunity to work with a CRISPR Cas9 system.

To apply for a research position, please email [restlabundergraduateresearch@gmail.com](mailto:restlabundergraduateresearch@gmail.com) with your resume, cover letter, and copy of your transcript.

**Fred Hutchinson Cancer Research Center Summer Undergraduate Research Program:** Fred Hutch hosts a 9-week [Summer Undergraduate Research Program](#) (SURP) that is designed to provide research experience and mentorship for undergraduate students of rising senior status. The 2018 SURP will run from Monday, June 11 – Friday, August 10. Students must be U.S. citizens or permanent residents; entering the summer before the final year of undergraduate studies, and have a strong background in the sciences. Participants will receive a stipend for participation, as well as coverage of round trip travel. **An online application for the 2018 SURP will be available via the SURP website in mid-November 2017. The application deadline is midnight Pacific Standard Time (PST) on Friday, January 12, 2018. Letters of recommendation for up to two references are due by midnight Pacific Standard Time (PST) on Friday, January 19, 2018.**

For more info, see attached flyer

**Life Sciences Section of CAR 210:** The Biology department will be offering a section of CAR 210 again this spring semester (Section 2, Fridays 11:30-12:50 PM). This section of the course is designed for U2, U3, or U4 standing BIO, BCH, BCP and other Life Sciences majors who wish to explore career fields and internship opportunities. The course will address different career paths in the Life Sciences, the career decision process, and how to prepare for the workforce through use of online resources, an alumni panel, informational interviews, and attendance of a job fair.

This section requires department consent; to register please email Kira Schultheiss ([Kira.Schultheiss@stonybrook.edu](mailto:Kira.Schultheiss@stonybrook.edu)) for permission.

**WRT 381-Advanced Analytical and Argumentative Writing Being Offered Spring 2018:**

Argumentative writing involves making a claim and supporting it with specific, related points and appropriate evidence—in other words, it is thesis-driven writing.

Please see attached flyer for more info

**Survey Participation:** Researchers at the University of New Hampshire are conducting a research study on student attitudes towards using math in biology courses. They have asked that I pass along the following invitation to participate. The online survey, which is completely voluntary, should only take 10 minutes of your time and you get a gift card for participating.

For more information and to access the survey, please see attached file.

**Caltech Summer Research Opportunities:**

**WAVE Fellows Program:** Provides support for talented undergrads intent on pursuing a Ph.D. to conduct a 10-week summer research project at Caltech. The program aims to foster diversity by increasing participation of underrepresented students in science and engineering Ph.D. programs. Program is extended, but not limited, to underrepresented minorities, women, first-generation college students, geographically underrepresented students, educationally or financially disadvantaged, and students with disabilities. Students must be current sophomores through non-graduating seniors.

For more info and eligibility, see <http://www.sfp.caltech.edu/programs/wavefellows>

**WAVE Fellows Informational Webinar November 15, 11:00 AM PST** [Register](#)

**Amgen Scholars Program:** The Amgen Scholars Program is a national program aimed at increasing research opportunities for students committed to pursuing careers in the sciences. At Caltech, we provide students the opportunity to conduct research in biology, chemistry, and bio-technical related fields under the guidance of some of the world's leading academic scientists. Research projects, along with scientific seminars, workshops, and networking events, prepare participants to pursue a Ph.D. or the joint M.D./Ph.D. degree and research careers in the sciences and biotechnology.

For more info and eligibility, see [http://www.sfp.caltech.edu/programs/amgen\\_scholars](http://www.sfp.caltech.edu/programs/amgen_scholars)

**Amgen Scholars Informational Webinar November 16, 11:00 AM PST [Register](#)**

Questions about either of these programs can be addressed to Carol Casey ([casey@caltech.edu](mailto:casey@caltech.edu) or 626-395-2887)

**CUNY-York College Pharmaceutical Science & Business Master Program:** Geared toward students pursuing a career in Drug Discovery, Drug Manufacturing, Quality Assurance & Control, Pharmaceutical Sales, and Regulatory Affairs. Program is 2 years, financial aid available. Includes research opportunities with professors. Apply by December 1<sup>st</sup> for Spring 2018.

RSVP for informational webinars [here](#) and see attached flyer for more info

**School of Professional Development:** The School of Professional Development (SPD) encourages upper level undergraduates to take up to 6 credits in SPD as part of their undergraduate programs. Earn a digital badge or see if professional graduate school is the right fit for you!

For more info, see attached flyer

**SBU Food Pantry:** The SBU Food Pantry provides food items for food-insecure students, staff and faculty on Stony Brook's campus. Anyone with a Stony Brook University ID card can utilize the pantry: students, staff and faculty. Please bring your ID card with you.

**The pantry is also looking for volunteers and help fundraising. If you are interested in helping, please email [sbufoodpantry@stonybrook.edu](mailto:sbufoodpantry@stonybrook.edu)**

For more info and pantry hours, see attached flyer



Stony Brook University

## Program in Writing & Rhetoric

HOME

OUR PROGRAM

COURSES

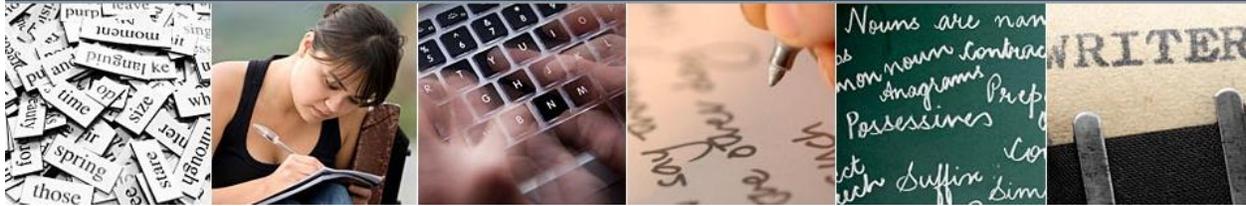
FOR STUDENTS

GRADUATE CERTIFICATE

WRITING CENTER

PEOPLE

CONTACT US



### Stony Brook University Program in Writing and Rhetoric Spring 2018

#### WRT/EGL 381.01: Advanced Analytic and Argumentative Writing

Argumentative writing involves making a claim and supporting it with specific, related points and appropriate evidence—in other words, it is thesis-driven writing. Whenever we don't quite like someone else's idea and we want him or her to come closer to ours, argumentative writing is the most efficient method for such persuasion, in whatever profession you're considering. This class, therefore, will focus on learning how to effectively utilize argumentative and counter-argumentative writing strategies. Students will explore an area of disciplinary interest to them through several stages—proposal, preliminary draft, multiple versions, literature review—culminating in a 20-30 page piece of writing in which they make a claim about a particular subject in that area of interest and support it with scholarly research and extensive elaboration.

Instructor: Robert Kaplan

Course Code: 47561 (WRT 381)/47568 (EGL 381)

Meeting Times: M/W 5:30pm-6:50pm

"The research environment at the Hutch is unique in that there are multitudes of disciplines and specialties within those disciplines, but everyone is working towards a common goal of making strides in disease research...I also really appreciated the way all of the Hutch researchers and staff cultivated an environment that was so conducive to learning, and were receptive to my inquiries into their work despite my status as an intern."  
— SURP Intern



2012 summer interns hike Mount Rainier. From left to right: Silvana Francescutti, Rini Kasinathan, Lori Mendelsohn, Nancy Liu, Julissa Chavez, Anna Kahkoska.  
Photo credit: Julian Simon

## HOUSING, MEALS, AND TRANSPORTATION

Interns are responsible for their housing, meals, and local transportation. Housing is available at the University of Washington for approximately \$2,000 for the duration of the program. Interns are eligible to purchase a subsidized transportation pass for \$45. There is a free shuttle between the Fred Hutch and University of Washington campus that departs every 15 minutes.

## HOW TO APPLY

Students interested in participating in the Summer Undergraduate Research Program may submit an application at: [www.fredhutch.org/surp](http://www.fredhutch.org/surp). The application deadline is **Friday, January 12, 2018**. Letters of recommendation for up to two references are due by **Friday, January 19, 2018**. Notification of acceptance will occur in mid- to late-February.

2011 SURP intern, Lindsay Dale, presents her research at the competitive poster session. Photo credit: Clayton Hibbert



## CONTACT US

If you have any additional questions about the Summer Undergraduate Research Program that are not addressed in the Frequently Asked Questions section of the SURP website, please send an email to: [SURP@fredhutch.org](mailto:SURP@fredhutch.org).

## ABOUT THE FRED HUTCH

The Fred Hutchinson Cancer Research Center is a world-renowned nonprofit research institution working to improve the prevention, detection, and treatment of cancer, HIV, and many other diseases. To learn more about the Fred Hutch, visit:  
[www.fredhutch.org/en/about.html](http://www.fredhutch.org/en/about.html).

## BIOMEDICAL RESEARCH INTERNSHIPS

A catalog of internships for high school, undergraduate, post-baccalaureate, graduate, and first-year medical students offered nationwide can be accessed at:  
[www.fredhutch.org/content/dam/public/education/surp/internships2016.pdf](http://www.fredhutch.org/content/dam/public/education/surp/internships2016.pdf).

The Summer Undergraduate Research Program is supported in parts by the Cancer Center Support Grant (CCSG) CURE Supplement: P30 CA015704-42S4, U54 CA 132381 (Fred Hutch) and U54 CA 132382 (NMSU).

Cover photo, 2010 SURP intern, Meighan Parker and her mentor, Elizabeth Kwan. Photo credit: Dean Forbes

# SUMMER UNDERGRADUATE RESEARCH PROGRAM

Biomedical Research Opportunities Start Here!



[www.fredhutch.org/surp](http://www.fredhutch.org/surp)



**FRED HUTCH**  
CURES START HERE™

# About the Summer Undergraduate Research Program

The Summer Undergraduate Research Program at the Fred Hutchinson Cancer Research Center (Fred Hutch) is an intensive, nine-week internship designed to provide research experience and mentorship for undergraduate students who are interested in biomedical research. Under the guidance of a faculty mentor, students will complete an independent research project and present their findings at a competitive poster session.

The program runs from **Monday, June 11** through **Friday, August 10, 2018**. Students must be able to commit to this entire period in order to participate.

## AREAS OF RESEARCH

Interns will be paired with a faculty mentor after selecting one of the following areas of interest:

**Basic Science:** Conducts fundamental research in structural, genetic, molecular, cellular, developmental, and evolutionary biology;

**Human Biology:** Interdisciplinary research; conducts lab-based and computational research at the interface of basic, clinical, and population sciences;

**Public Health:** Uses large populations as a "laboratory" to look for links between cancer and its possible triggers, from diet and lifestyle to environmental and genetic factors. Conducts statistical, epidemiological, and prevention studies around the world;

**Clinical Research:** Works to develop and analyze new treatments for cancers and other diseases; and

**Vaccine and Infectious Disease:** Integrates computational, laboratory, and clinical research methods to advance the understanding of microbial pathogenesis and infectious disease processes.

To learn more about the specific research interests of Fred Hutch faculty, please visit [www.fredhutch.org/en/labs.html](http://www.fredhutch.org/en/labs.html).



2012 SURP intern, Seth Bensussen, and his mentor, Bicheng Han.  
Photo credit: Dean Forbes



2016 SURP intern, Cora Amundson, receives feedback to her personal statement from 2012 SURP alumna, Rini Kasinathan. Photo credit: Stephanie Louie

## PROGRAM COMPONENTS

In addition to completing a mentored research project, interns will participate in professional development workshops designed to facilitate the preparation of competitive applications for graduate or medical school. Workshops include:

- ▶ Preparing a personal statement, resume, and abstract;
- ▶ How to successfully apply to graduate or medical school; and
- ▶ Preparing and presenting a scientific poster.

Interns will also attend weekly research seminars regarding a broad array of scientific topics. The program culminates with a competitive poster session.

The program also sponsors a number of social activities to foster interaction among interns and their mentors. Activities may include:

- ▶ Attending a Seattle Mariners MLB game OR Seattle Sounders FC match;
- ▶ Riding the Seattle Great Wheel OR touring the Theo Chocolate Factory;
- ▶ Taking a ferry to scenic Bainbridge Island; and/or
- ▶ Hiking the trails on Mount Rainier

## ELIGIBILITY REQUIREMENTS

- ▶ U.S. citizen or permanent resident;
- ▶ Entering the summer BEFORE the final year (or semester or quarter) of undergraduate studies; and
- ▶ Strong background in the sciences or related area of interest

## COMPENSATION

Interns will receive \$4,794 (minus taxes) for their participation in the Summer Undergraduate Research Program.

## TRAVEL

Round trip travel costs (up to \$450) are provided. Travel arrangements will be coordinated by program staff unless otherwise requested.

"This was my first laboratory experience outside of classes, so it was great to see how research labs operate and to have a project of my own. I'm very grateful for all the support, information, and encouragement I got as a 'first-timer' from everyone in the lab to the wonderful program staff."

— SURP Intern



## **Master in Pharmaceutical Science & Business**

**Webinar Dates**  
**RSVP for**

**November 9th @ 12:10pm**  
**November 20th @ 12:10pm**

**December 11th @ 12:10pm**

### **Pursuing a Career in:**

Drug Discovery  
Drug Manufacturing  
Quality Assurance & Control  
Pharmaceutical Sales  
Regulatory Affairs

### **Apply for Our Master Program** **Pharmaceutical Science & Business**

2 years  
Financial Aid Available  
Full time or Part time  
Afternoon & Evening  
Research Opportunities with Professors

**Apply by December 1st for Spring 2018**

Any other questions please email Ms. Gail Fong at [gfong@york.cuny.edu](mailto:gfong@york.cuny.edu)

Dear Students,

We are conducting a research study titled “Examining undergraduate attitudes towards the use of math in biology.” The purpose of this research study is to determine the attitudes life science majors have towards using math to understand biology. To accomplish this, we are seeking input from undergraduate life science majors. **To be eligible for this study, you must be majoring in a life science, and you must be at least 18 years old.**

Your participation will involve completing an online survey. The survey will ask you questions about your attitudes towards using math in biology, questions about your likelihood of taking mathematical biology courses, demographic information, and academic information.

The survey will take approximately 10 minutes to complete, and you will receive a \$5 Target gift card if you complete the survey.

There are minimal risks associated with participating in this study. We will not collect any identifying information, such as name or IP address, and thus the survey is completely anonymous. Only a limited number of research team members will have access to the data during the study. Further, any communication via the Internet poses minimal risk of a breach of confidentiality.

Your participation in this study is voluntary. You may decline to answer any question and you have the right to withdraw from participation at any time. Withdrawal will not affect you or your relationship with the University of New Hampshire in any way.

If you are willing to participate in this study, please click the following link:

[https://unh.az1.qualtrics.com/jfe/form/SV\\_4HMd0YARv0Z3jCt](https://unh.az1.qualtrics.com/jfe/form/SV_4HMd0YARv0Z3jCt)

By clicking the above link, you are not consenting to participate in the study. If you decide to participate, you will be asked to provide your formal consent at the beginning of the survey. If you decline consent, you will be routed out of the survey and no data will be collected from you.

If you have any questions about the study, please contact the researcher Dr. Melissa Aikens by phone at [\(603\) 862-0840](tel:6038620840) or by email at [melissa.aikens@unh.edu](mailto:melissa.aikens@unh.edu).

Thank you for considering this request. We look forward to receiving your vital input!

Dr. Melissa Aikens ([melissa.aikens@unh.edu](mailto:melissa.aikens@unh.edu); [603-862-0840](tel:6038620840)) and Dr. Sarah Andrews ([sarah.andrews@unh.edu](mailto:sarah.andrews@unh.edu); [603-862-2379](tel:6038622379))

Department of Biological Sciences, University of New Hampshire



# **Stony Brook University Food Pantry**

The SBU Food Pantry provides food items for food-insecure students, staff, and faculty on Stony Brook's campus. We've stocked our shelves with a range of healthful options for those in need of supplemental food. Please pay us a visit!

**Anyone with a Stony Brook University ID card can utilize the pantry: students, staff, and faculty. Please bring your ID card with you to utilize the pantry services!**

## **Hours**

Fall & Spring semesters:

**Tuesday evenings, 7:30 PM–10:30 PM**

**Wednesday afternoons, 3:00 PM - 6:00 PM**

**Friday afternoons, 12:00 PM - 2:00 PM**

Find us at 100 Circle Road, Gray College, ITS Center, Room  
A09 Stony Brook, NY 11790

In an effort to reduce the use of plastic bags, please bring a bag  
with you!

*If you are interested in volunteering or fundraising  
for the SBU Food Pantry, please send us an email at [sbufoodpantry@stonybrook.edu](mailto:sbufoodpantry@stonybrook.edu)*



## **Undergraduates: Take 2 Graduate Courses in the School of Professional Development!**

**Want to Take Graduate Courses to Help You Find or Enhance Your Career?**

**The School of Professional Development Welcomes Undergraduates for up to 6 Credits**

Earn a **Digital Badge** or see if **Professional Graduate School** is for you!

Click to see our [list of course offerings](#), always growing

Click to see our list of [Digital Badges](#): New ones on the way

To sign up for a course, fill out [this form](#) with advisors' signatures

Have Questions? See our [FAQs for Undergraduate Students in SPD](#)

**Courses count toward a Bachelor's degree and there is NO ADDITIONAL COST**

**We offer Courses & Digital Badges in Human Resources, Higher Education Administration, Entrepreneurship, Teaching Adolescents, Ecology, Writing, Critical Thinking, Working with Students with Special Needs, Cultural Awareness, and Much More!**

[Contact Us](#) for More Information

**Stony Brook University School of Professional Development**

631-632-7050

Monday-Friday, 8:30 am to 4:00 pm

[spd@stonybrook.edu](mailto:spd@stonybrook.edu)