

Opportunities Week of 3/30/18

BA in Biology has Been Approved! The new BA in Biology has now officially been approved, and students can declare the major. Come learn about the new BA in Biology at an Information Session. BIO BA curriculum will be reviewed, as well as reasons why this new major could be a good fit! All students that are interested in declaring this major must first attend an information session, please do not make an individual advising appoint to obtain information about the BA.

Info sessions will be held on Wednesday, 4/11 and Friday, 4/13.

For info session times and location, see

<http://www.stonybrook.edu/commcms/biology/advising/Registration.php>

Undergraduate Research Opportunities in the Rest Lab: Dr. Rest's lab, in the department of Ecology and Evolution, is currently looking for volunteer undergraduate research help. This research project focuses on how drug-drug interactions vary as a consequence of genetic variation across strains of budding yeast. The researcher will be involved in wet-lab work conducting large-format growth experiments and utilizing equipment such as a flow cytometer. The researcher will preferably have experience in biological labs, but enthusiasm to learn and a commitment to research is the most important. Weekly commitment is approximately 10 hours, including over the summer.

To apply for a research position, please email restlabundergraduateresearch@gmail.com with your resume, cover letter, and an unofficial copy of your transcript.

For details about the lab, visit <http://life.bio.sunysb.edu/ee/restlab/>

Biology Online Summer Course Offerings: Biology Online is happy to announce that BIO 314 (Cancer Biology) is now being offered online this summer, and that the required live, proctored exams for any of the online summer courses can now be taken at Stony Brook West Campus, Manhattan Location (for no exam fee!) or an approved remote test center!

For a full menu of courses and more info, see attached flyer

WRT 305 and WRT 380 Offered in Fall 2018: The Writing Program will be offering WRT 305, Writing for the Health Professions, and WRT 380, Advanced Research Writing, this fall semester. Some students have found WRT 305 a helpful course to take for writing their upper division BIO laboratory reports.

Please see attached flyers for more info

NY Aquarium Volunteer Opportunities: NY Aquarium is looking to provide students with an elevated role that gives them an exciting opportunity over their break that can be used on resumes, to explore a career in conservation/education/marine biology, and network with others who have similar interests and goals.

Application deadline is April 8th, 2018.

For more info, see attached flyer

Dr. Jennifer A. Doudna Lecture: The Department of Chemistry is very pleased to welcome Dr. Jennifer A. Doudna, Howard Hughes Medical Institute Investigator and Professor of Molecular and Cell Biology at UC Berkeley, to be our distinguished speaker at our twenty-sixth [Jacob Bigeleisen Endowed Lecture](#). The title of her talk is "**CRISPR Systems: Biology and Applications in Gene Editing.**" The purpose of the Bigeleisen endowment is to sponsor an annual lecture in chemistry by an internationally renowned scholar.

Lecture is on Friday, April 6, 2018 at 3 PM in Frey Hall 102.

For more info see attached flyer

TEACHING ASSISTANT POSITION for Self-Management Workshops in Mindfulness: A great resume builder with a letter of recommendation upon conclusion of the semester. Only 1 hour a week commitment, with an additional possibility of earning 1-credit to fulfill the SBC EXP+

requirement. Undergrads and first-year students welcome.

Info sessions will be held the first week of Fall 2018.

If interested, sign up for more info at: <http://bit.ly/1S7Euoj>

*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.

Information: Summer Biology Online Courses

New Announcements:

We are happy to announce that BIO 314 – Cancer Biology is now being offered online this summer.

We are also happy to announce that the required live, proctored exams for any of our courses can now be taken at:

- West Campus here at Stony Brook University – No exam fee! or
- **Manhattan Location at 33 West 42nd Street, NY, NY – No exam fee! or**
- Approved remote test center locations throughout the US – Exam fees determined by test center and are the responsibility of the student.

Menu of Courses:

Summer Extended 1:

- BIO202 – Fundamentals of Biology Molecular and Cellular Biology
- BIO361 – Biochemistry 1
- BIO358 – Biology of Human Social Sexual Behavior

Summer Extended 2:

- BIO 310 – Cell Biology
- BIO 314 – Cancer Biology

For more information, exam dates and times, course syllabi, etc. go to:

<http://www.stonybrook.edu/commcms/biology-online/index.php>



Stony Brook University

Program in Writing & Rhetoric

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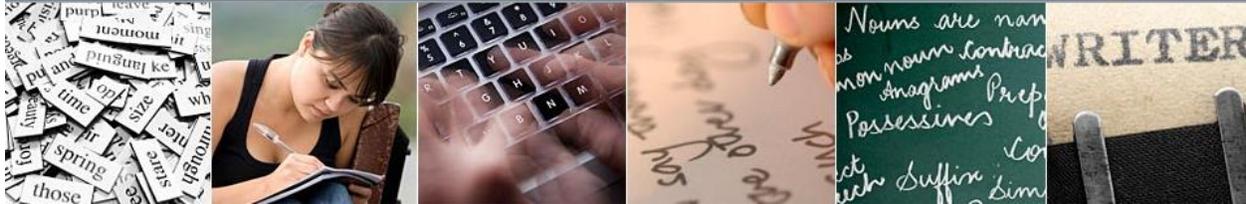
FOR STUDENTS

GRADUATE CERTIFICATE

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Stony Brook University Program in Writing and Rhetoric Fall 2018

WRT 305.01: Writing for the Health Professions

This course will enable students interested in a healthcare career to strengthen their critical writing skills. While learning to gather information and to apply ethical principles in a logical, persuasive fashion, students will explore and write about various types of evidence concerning the healthcare needs of different populations: a field research project on a health issue affecting a local target population of their choice, a critique of government documents that contain data on that issue and population, and a review of scholarly research on the same issue as it affects the larger national population represented by that local one. Writing assignments will include drafts and final versions of a research proposal, field research results, data analysis, literature review and a final project incorporating all of the previous work conducted about that issue and population. Students will also write a reflective paper which can serve as the basis for a personal statement for medical or other health-related graduate school applications.

SBC: ESI

Instructor: Robert Kaplan

Course Code: 95043

Meeting Times: M/W 2:30pm-3:50pm

New York Aquarium

Join us for a very exciting chapter in New York Aquarium History, the opening of our newest exhibit, *Ocean Wonders: Sharks!*

We are seeking Undergraduate & Grad Students to help share this new experience with our guests!



Student Volunteer Interpreters will:

- Lead fun educational activities
- Interact with our guests
- Facilitate our new touch pool

Commitment: Memorial Day through Labor Day.
Training occurs over 6 Sundays (April 15-May 20).

Applications are due April 8, 2018

<http://bit.ly/NYAStudent>

Email: NYADocent@wcs.org

Phone: 718-265-3450

J The Twenty-sixth Jacob Bigeleisen Endowed Lecture

Presents

Dr. Jennifer A. Doudna

Investigator, Howard Hughes Medical Institute
Professor, Department of Molecular and Cell Biology
and Department of Chemistry,
University of California, Berkeley



“CRISPR Systems: Biology and Applications of Gene Editing”

Friday, April 6, 2018

Lecture starts at 3:00 p.m.

Frey Hall 102

Stony Brook University

Overflow location Frey Hall 104

Refreshments served at 4:30 p.m. in the Chemistry Building lobby

Hosted by: Department of Chemistry, Stony Brook University

Stony Brook, New York 11794-3400

Dr. Jennifer Doudna obtained a B.A. in Biochemistry from Pomona College and a Ph.D. in Biological Chemistry and Molecular Pharmacology from Harvard Medical School under Jack W. Szostak (who won the 2009 Nobel Prize for Physiology or Medicine). She joined Yale's Department of Molecular Biophysics and Biochemistry as an Assistant Professor in 1994. In 2002, she moved to the University of California, Berkeley, where she is an investigator with the Howard Hughes Medical Institute, a Professor of Biochemistry and Molecular Biology, Professor of Chemistry and holds the Li Ka Shing Chancellor's Chair in Biomedical and Health Sciences.

Jennifer Doudna's current research focuses on the mechanistic understanding of fundamental biological processes involving RNA molecules. Research in her lab focuses on three major areas: bacterial immunity via the CRISPR system, RNA interference, and translational control logic. They utilize diverse techniques including X-ray crystallography, high-throughput sequencing, biochemistry, molecular biology, and eukaryotic cell culture.

An internationally renowned professor of Chemistry and Molecular and Cell Biology at U.C. Berkeley, Doudna and her colleagues rocked the research world in 2012 by describing a simple way of editing the DNA of any organism using an RNA-guided protein found in bacteria. This technology, called CRISPR-Cas9, has opened the floodgates of possibility for human and non-human applications of gene editing, including assisting researchers in the fight against HIV, sickle cell disease, and muscular dystrophy. Jennifer Doudna is an Investigator with the Howard Hughes Medical Institute and a member of the National Academy of Sciences, the National Academy of Medicine, the National Academy of Inventors and the American Academy of Arts and Sciences. She is also a Foreign Member of the Royal Society, and has received many other honors including the Breakthrough Prize in Life Sciences, the Heineken Prize, the BBVA Foundation Frontiers of Knowledge Award and the Japan Prize. She is the co-author with Sam Sternberg of *A Crack in Creation*, a personal account of her research and the societal and ethical implications of gene editing.

The Jacob Bigeleisen lectures are supported by an endowment established by a circle of friends on the occasion of his 70th birthday. The purpose of the endowment is to enrich the educational program at Stony Brook through an annual lecture in chemistry by a scholar of international reputation. Jacob Bigeleisen, Distinguished Professor of Chemistry, retired in 1989 after eleven years as an active member of the Stony Brook faculty. Prior to coming to Stony Brook, he was Tracy Harris Professor and Chairman of the Chemistry Department at the University of Rochester. He was a member of the scientific staff of Brookhaven National Laboratory for twenty years before joining the Rochester faculty. During his long and distinguished career, he was the recipient of numerous awards and fellowships for his work in pure and applied isotope chemistry, and became a member of the National Academy of Sciences as well as a Fellow of the American Academy of Arts and Sciences.

Sponsored by

Jacob Bigeleisen Endowment Lecture Fund
and the Department of Chemistry.

For further info or if you need a disability-related
accommodation, please call (631) 632-7884 |



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