Opportunities Week of February 14, 2020

**Undergraduate Research Opportunity for Freshmen:** Structural Cancer Biology Lab is offering freshman the opportunity to gain solid lab training in return for strong motivation as undergraduate researcher. No prior experience just tons of motivation needed. Contact Markus Seeliger (markus.seeliger@stonybrook.edu) with your CV and personal statement.

**Stony Brook UG Biology Scholarships**

**Michel Colbert Endowed Scholarship:** The goal of this scholarship award is to enhance successful completion of degree, preferably in the biological sciences, for a student confronted with significant and unanticipated financial difficulties. Although there is no strict requirement for the year of study, students are typically selected as Michel Colbert Fellows prior to their senior year and receive a full tuition scholarship to support their studies through to graduation as long as they maintain good academic standing and full-time status. **Deadline March 27, 2020**

**Edward J. Mardovich ’81 Memorial Scholarship:** The scholarship is available to any U.S. citizen Junior or Senior Biology major, with a GPA greater than 3.0. Selection will be based on both the academic record and a personal statement that addresses the importance of their studies to their long-term career plans and how receipt of the scholarship support will enhance these plans. Awards to cover $1,000 of educational expenses per semester will be given for a full academic year, with a possibility of renewal for students who receive the Scholarship as a Junior. Recipients will be expected to maintain continuous full-time enrollment with a minimum GPA of 3.0 for the entire scholarship period. **Deadline March 27, 2020**

For more info on both scholarships and application process, please see attached files or visit http://www.stonybrook.edu/commcms/biology/scholarships/index.php

**URECA Summer Program:** The URECA (Undergraduate Research and Creative Activities) Program supports SB students doing full-time faculty-mentored research or creative activity for ten weeks (i.e. 9-5 Monday-Fridays). 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. **Application deadline is March 13th, 2020**

For more info and application, see https://www.stonybrook.edu/commcms/ureca/summer/urecasummer.php

**Explorations in STEM:** 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, chemical engineering and/or engineering science. 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 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 prepare abstracts of their work and will be required to present at the closing poster symposium at the end of the summer. **Application deadline is March 13th, 2020**

For more info and application, see https://www.stonybrook.edu/commcms/ureca/summer/ExplorationsinSTEM.php

**REMINDER:** Internship and Career Opportunities in Biotechnology: The LifeSci NYC Internship Program offers paid summer internships in the life science industry for talented and dedicated science,
business, and tech undergraduates through graduate students. Host companies and organizations range from early-stage startups to large pharmaceutical and biotech firms. Available roles will include R&D, business, tech, data science, marketing, finance, education and more.

**Application Deadline is March 31, 2020.**
For more information, see attached flyer. To apply, visit [https://www.lifesci.nyc/students](https://www.lifesci.nyc/students).

**2020 University of Nebraska Summer Research Program:** This is a 10-week residential summer research experience that provides mentoring and research participation while allowing scholars to preview graduate school life at a research university. Participants all receive competitive stipends, room and board, travel/transport, graduate school preparation workshops, social and networking activities, and more. A wide variety of programs are offered including programs in Virology, Redox Biology, Biomedical Engineering, Minority Health Disparities, Nanotechnology Coordinated Infrastructure, and much more.

**Application Deadline is March 1, 2020**
For more info, and to apply, visit [https://www.unl.edu/summerprogram/home](https://www.unl.edu/summerprogram/home)

*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.*
Michel Colbert Scholarship Application
Deadline: Friday March 27 2020 4:00 PM

The Michel Colbert Endowed Scholarship was established to honor the memory of Michel Colbert, a Biology graduate from the class of 1986 who was killed in the September 11, 2001 attack on the World Trade Center. The goal of this scholarship award is to enhance successful completion of a Bachelor's degree in the biological sciences for a student confronted with significant and unanticipated financial difficulties. Although there is no strict requirement for the year of study, students are typically selected as Michel Colbert Fellows prior to their senior year and receive a full tuition scholarship to support their studies through to graduation as long as they maintain good academic standing and full-time status.

The criteria for selection of a Michel Colbert Fellow are:

- A Stony Brook undergraduate with a strong record of achievement, preferably in the biological sciences with a clear plan for completion of a Bachelor’s degree program.
- Unanticipated financial challenges that are likely to interfere with timely completion of the undergraduate degree program at Stony Brook.
- A personal statement to be shared with the Colbert family that explains your course of study and how this education will impact on your career development and future plans.

APPLICATION:

Part I
Name (Last, First):
Stony Brook ID #:
Major:
E-mail address:
Telephone number:
Current full mailing address:

Part II
Please provide a short statement describing the financial challenges that have emerged and that threaten timely completion of your undergraduate degree program. Note, by submitting this application you are authorizing the Selection Committee to verify information submitted to the Office of Financial Aid and Scholarship Services.

Part III
A personal statement of 500 words or less describing your course of study, including successes and achievements related to your major as well as research, internship and other extracurricular experiences outside of the classroom that have influenced your career plans. Comment on how these experiences have influenced your career development and future plans.

Applications can be submitted through the Michel Colbert Scholarship Application Google Form.

If the above link does not work cut and paste this URL into your browser:
https://forms.gle/GjWUMSecze4wppwt7
Edward J. Mardovich ’81 Memorial Scholarship Application
Deadline: Friday March 27 2020 4:00 PM

The Edward J. Mardovich ’81 Memorial Scholarship in Undergraduate Biology was established by family, friends and fellow alumni of Eddie to provide a permanent source of scholarship support to Stony Brook undergraduate students majoring in Biology. Eddie earned degrees at Stony Brook in Biology and Sociology. He was a former employee at Euro-Brokers, Inc. and was tragically killed in the terrorist attack on the World Trade Center on September 11, 2001. The scholarship is available to any Junior or Senior majoring in Biology with a GPA greater than 3.0. The scholarship is restricted to United States citizens. Selection will be based on both the academic record and a personal statement that addresses the importance of their studies to their long-term career plans and how receipt of the scholarship support will enhance these plans. Awards to cover $1,000 of educational expenses per semester will be given for a full academic year, with a possibility of renewal for students who receive the Scholarship as a Junior. Recipients will be expected to maintain continuous full-time enrollment with a minimum GPA of 3.0 for the entire scholarship period.

The criteria for selection of an Edward J. Mardovich ’81 Scholarship are:

- A Biology major who is a United States citizen and who will have Junior or Senior status during the Scholarship period with a minimum GPA of 3.0.
- A personal statement to be shared with the donors that addresses the importance of your studies and extracurricular experiences to your long-term career plans and how receipt of this scholarship award will enhance your career development.

APPLICATION:

Part I
Name (Last, First):
Stony Brook ID #:
Major:
E-mail address:
Telephone number:
Current full mailing address:

Part II
A personal statement of 500 words or less describing your course of study in Biology, including successes and achievements related to this major as well as research, internship and other extracurricular experiences outside of the classroom that have influenced your career plans. Comment on how receipt of a scholarship award will enhance your continuing career development. Note, by submitting this application you are authorizing the Selection Committee to verify information submitted to the Office of Financial Aid and Scholarship Services.

Applications can be submitted through the Edward J. Mardovich Scholarship Application Google Form. If the above link does not work cut and paste this URL into your browser:
https://forms.gle/AnydZNqbfDi8qYNT7

STONY BROOK, NEW YORK 11794-5110 TEL: (631) 632-8530  FAX: (631) 632-1680
PAID RESEARCH AND BUSINESS INTERNSHIPS IN ONE OF THE FASTEST GROWING INDUSTRIES IN NEW YORK CITY!

The LifeSci NYC Internship Program is an integral part of The City of New York’s robust $500 million, 10-year initiative to accelerate growth of the life sciences industry.

We are looking for talented and dedicated science and business students interested in pursuing careers in the life sciences sector. Host-companies and organizations range from early-stage startups to large pharmaceutical and biotech firms. Eligible majors and areas of study include:

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PROGRAM DETAILS

Internships will take place June 1 - August 7, 2020.

All internships will be full-time, 10 week ($15/HR) paid positions.

Preference given to rising juniors/seniors and graduate students.

Apply online at: www.lifesci.nyc/lifesci-nyc-internship-program

- Open to students currently enrolled in New York City-based college or university or New York City residents currently enrolled in any college or university. Preference given to rising juniors/seniors and graduate students.

- Fifty-seven companies served as hosts in 2019, including: BioHealthWays, Bristol-Myers Squibb, Cureatr, Deerfield, Envisagenics, Fesarius Therapeutics, Kinnos, Lucerna, Mirimus, Mymee, New York Stem Cell Foundation, Pfizer, RxData, and Xylyx Bio.

- Interns will be invited to participate in a dynamic range of events including intensive training, networking receptions, industry career panels, site tours, and will have opportunities to meet industry leaders and more.
New York City is a world leader in life sciences, serving as the home to many of the world’s top pharmaceutical companies, academic medical centers, research foundations, startups, investment firms, and philanthropists. Recognizing the large economic opportunity, the City is laying the groundwork for its success by investing in the people, programs, and facilities that make the life sciences one of the fastest growing industries in New York City.

SAMPLE BUSINESS INTERNSHIPS

Market Research: Perform market research, develop marketplace analysis, provide strategic assessment, use market research data to support existing and new marketing sales strategies.

Business Development: Provide support for patent status and descriptions for marketing/licensing purposes. Analyze technology innovations for market potential. Develop commercial evaluation reports.

Marketing: Create marketing campaigns, promote white papers and other industry insight and research, and draft communications materials.

Finance: Develop new financial projections and budget model for existing and new clinical programs. Develop risk-adjusted valuation models for the three clinical programs in the portfolio.

Public Relations / Communications: Assist through brainstorming, research, creating competitor profiles, and assisting in development of proposal submissions. Exposure to consulting, team management, general, financial and HR management.

SAMPLE STEM INTERNSHIPS

R&D: Conduct research on coagulation, polymer chemistry, rheology, biochemistry, and material science; perform research on functional annotation of the human genome with respect to fertility potential.

Molecular Biology / Biochemistry / Cell Biology: Design, clone and test constructs using molecular and cell bio techniques; conduct protein expression, purification and characterization studies.

Data Science / Machine Learning: Apply developed algorithms on new datasets and interpret results. Identify new compounds or combination therapies that could be repositioned toward specific cancer subtypes using developed machine learning methods.

Bioinformatics: Build pipelines and tools to manage large volumes of sequencing data and assist with generating and assessing meta-data to support R&D efforts.

Medical Device Design: Assist in designing and assembling proprietary hardware for use in hospitals and nursing homes.

STUDENT SELECTION PROCESS

Apply at www.lifesci.nyc → Once application complete, view list of current openings → Express interest in specific roles and submit cover notes to LifeSci NYC → LifeSci NYC sends select applications to companies → Companies interview students and make offers.


BENEFITS FOR STUDENTS

Explore Unique Career Paths

- Gain insight on drug discovery and development processes
- Understand the steps to healthcare and life sciences investment and venture funding

Build Your Network

- Participate in Boot Camp, a 3-day intensive training program addressing professional development and new industry breakthroughs
- Learn from experienced leaders in the industry at career panels and company tours

Develop Essential Skills

- Improve your public speaking and presentation skills
- Find out how to interact with senior leadership in your host-company

Program Background

New York City is a world leader in life sciences, serving as the home to many of the world’s top pharmaceutical companies, academic medical centers, research foundations, startups, investment firms, and philanthropists. Recognizing the large economic opportunity, the City is laying the groundwork for its success by investing in the people, programs, and facilities that make the life sciences one of the fastest growing industries in New York City.