Opportunities Week of February 22, 2019

**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 29, 2019**

**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 29, 2019**

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

**Reminder: Healthcare, Research and Human Services Job and Internship Fair:** Learn about the Counseling, Human Services, Social Work, Psychology, Clinical, Research, Public Health, Pharmaceutical and Healthcare Administration career options available to you! Build your future with clinical, non-clinical and research experience. **Job and Internship Fair to be held on Friday, March 1st, 2019, 12:00-3:00 PM, SAC Ballrooms A & B** See details and employers list on Handshake

**MSU’S Kellogg Biological Station:** KBS, in partnership with several departments, offers a wide variety of field-based summer courses that include ecology, botany, grant writing, wetland ecology, and GIS. Students can also apply for the KBS Undergraduate Research Apprenticeship (URA) Program and KBS Internship Program. These students pair a KBS summer course with a paid research or internship experience. **Applications for the URA and Internship programs close March 1st, 2019.** For more info, see http://www.kbs.msu.edu/

**iCREATE’s Annual Hackathon:** InnovateIT is a 24-hour multidisciplinary Hackathon for students to collaborate and envision their next big idea across various mediums. This hackathon style even offers you the opportunity to build something that can help the greater world. This year’s theme is Climate Change. **InnovateIT will be held March 29th-March 30th** For more info and to register, see https://www.stonybrook.edu/innovation/events/innovateit/

**Diversity Action Plan for Penn Genomics (DAPPG):** Held by the University of Pennsylvania, the goal of the program is to increase the number of students from underrepresented groups in genome sciences and genomic medicine careers by providing opportunity for hands-on genomics research. DAPPG is offering a 10-week long summer program, with areas of study to include disease mapping, genome-scale functional analysis, biophysical models of molecules, design of experimental systems, etc. **Deadline for summer program application is April 1st, 2019** For more info, see attached flyer

**Reminder: LifeSci NYC Internship Program:** The City of New York is running an innovative summer internship program for students interested in pursuing careers in the life sciences industry, providing an
opportunity to work in a range of companies from early-stage startups to large pharmaceutical and biotech firms. Please note, students MUST either be enrolled in a New York City-based college or university, or be a New York City resident enrolled in any college or university. The internship is looking for talented and dedicated students interested in pursuing business or science careers in the life sciences sector. **Application deadline extended through March 31**, **2019**. For more info, see the link on Handshake. Apply here

Ronald McDonald House of SBU: We are holding a food/supply drive that will be running through March 13th, 2019. We are collecting a variety of pantry items, cleaning supplies, kitchen supplies, bathroom supplies, and a variety of gift cards to pharmacies, gas stations, and whole foods for families in need. The cost of healthcare has had a near 50% increase in the past 15 years alone, and the trend remains constant for the immediate future. Now more than ever, families are feeling the financial strain illness has more commonly imposed on society and it is our mission statement at RMHC Stony Brook to subsidize the cost and relieve the stressors that come with finances and healthcare. **A box for donation will be set up in the SAC.** For a list of suggested donated items, please see attached file.

*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 29 2019

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 the Bachelor of Science in Biology 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 #:
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.

Completed applications can be submitted to Kira Schultheiss in the Undergraduate Biology Office, Room 107, CMM/BLL Building, Stony Brook University, Stony Brook, NY 11794-5110. Applications can also be submitted electronically by e-mail to kira.schultheiss@stonybrook.edu with the subject line: 2019 Colbert Scholarship application.
The goal of the program is to increase the number of students from underrepresented groups in genome sciences and genomic medicine careers by providing opportunity for hands-on genomics research.

Areas of study include:
- Complex disease mapping, human genetic variation
- Genome-scale functional analysis of RNA, protein, and pathways
- Biophysical models of molecules
- Design of experimental systems using microfluidics & nano-fabrication
- Computational algorithms for genome-scale data
- Software engineering of analysis systems
- System-level modeling of cell processes & organismal development
- Evolutionary dynamics

**Summer Program**

**Duration:** 10 Weeks

**Required documents:**
- Completed online application form [www.med.upenn.edu/suip/](http://www.med.upenn.edu/suip/)
- One statement detailing both your career goals and your area of research interest (include that you are applying to the DAPPG program)
- **2 letters** of recommendation from academic faculty or advisors
- Uploaded copy of your undergraduate transcript (official copy sent by mail)

**Deadline:** April 1, 2019

**Post-bac**

**Duration:** 1-2 Years

**Required documents:**
- Completed online application form [www.med.upenn.edu/prep/](http://www.med.upenn.edu/prep/)
- One statement detailing both your career goals and your area of research interest (include that you are applying to the DAPPG program)
- **3 letters** of recommendation from academic faculty or advisors
- Uploaded copy of your undergraduate transcript (official copy sent by mail)

**Deadline:** April 1, 2019

For more information please email our coordinator at: maurkirs@pennmedicine.upenn.edu.
HEALTHCARE, RESEARCH & HUMAN SERVICES JOB & INTERNSHIP FAIR

**Friday**
**March 1, 2019**

12:00 PM - 3:00 PM

**Sac Ballrooms A & B**
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:

**BUSINESS TRACK**
- BUSINESS
- MARKETING
- FINANCE
- ACCOUNTING
- PUBLIC POLICY / PUBLIC AFFAIRS
- SUPPLY CHAIN/OPERATIONS
- COMPUTER SCIENCE / IT

**SCIENCE TRACK**
- BIOLOGY
- CHEMISTRY / BIOCHEMISTRY
- BIOMEDICAL ENGINEERING
- MECHANICAL ENGINEERING
- COMPUTER SCIENCE / DATA SCIENCE / STATISTICS
- REGULATORY
- OTHER LIFE SCIENCES / STEM FIELDS

**PROGRAM DETAILS**

- Internships will take place June 3 - August 9, 2019.
- 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.
- Forty-one companies served as hosts in 2018, including: Acorda Therapeutics, Axon Communications, BioHealthWays, Celmatix, Cureatr, Deerfield, Envisagenics, Fesarius Therapeutics, Kinnos, Lucerna, Mirimus, New York Stem Cell Foundation, Pfizer, Roivant Sciences, RxData, and UroGen Pharma.
- 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.

**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.

**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

For more information and to apply, visit www.lifesci.nyc/lifesci-nyc-internship-program. Application deadline: March 31, 2019.
Edward J. Mardovich ’81 Memorial Scholarship Application
Deadline: Friday March 29 2019

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 #:
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.

Completed applications can be submitted to Kira Schultheiss in the Undergraduate Biology Office, Room 107, CMM/BLL Building, Stony Brook University, Stony Brook, NY 11794-5110. Applications can also be submitted electronically by e-mail to kira.schultheiss@stonybrook.edu with the subject line: 2019 Mardovich Scholarship application.
Ronald McDonald House Wish List Drive

Pantry Items
Snack foods (individual packaged snacks, chips, crackers, cookies, breakfast cereals, etc.), Microwavable soups, Microwavable mac & cheese, Granola/Cereal bars, Fruit bars, Ramen noodles in a cup, Tea bags (regular & decaf), Decaf coffee (instant), Bottled water, Iced tea (cans or 16oz bottles), and Soda (cans or 16oz bottles)

Cleaning Supplies
Liquid hand soap, Laundry detergent, Fabric softener sheets, Lysol wipes, and Lysol fabric spray

Kitchen
Paper towels, Paper plates, Paper bowls, Saran wrap, Plastic utensils, Sandwich & gallon size zip lock bags, and Coffee stirrers

Bathroom Supplies
Trial sized soap, Shampoo, Conditioner, Toothpaste, Deodorant, Feminine products, Men’s/Women’s razors, and Toothbrushes

Gift Cards – $5, $10, $25
Stop & Shop, Target, Costco, BJ’s, Wal-Mart, Walgreens, and Gas Cards