

Undergraduate Newsletter  
Department of Biology  
October 2023 Issue



*We trust that you are staying healthy, managing your academics, and resting properly! This year, following Thanksgiving, we have a week-long fall break from October 10 to 13 to recharge.*

*As you settle into your fall routine, October is the right time to explore and consider the many research opportunities available to you. These research opportunities are great ways to acquire experiential skills to help build your career. Check out the opportunities in the issue.*



**Pathy Foundation  
Fellowship®**

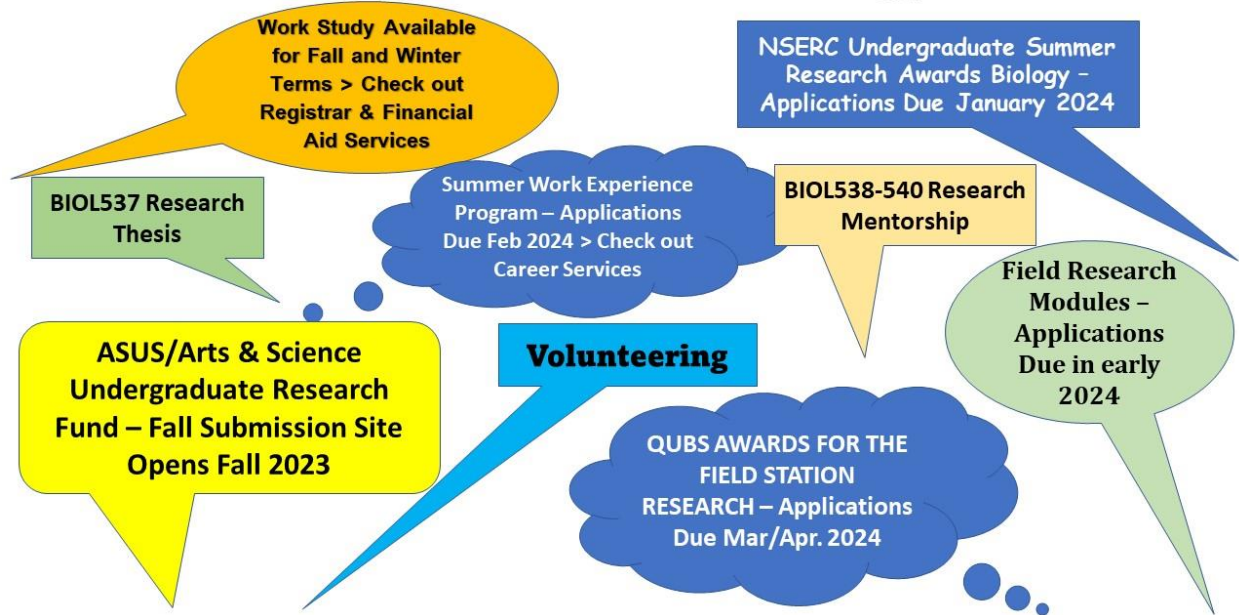
The [Pathy Foundation Fellowship](#) provides professional leadership training and support for graduating students to lead a community development project anywhere in the world.

The 12-month fellowship is for graduating students who have:

- the **capacity and potential** to develop as effective change-agents;
  - a **meaningful connection with a community** of their choosing anywhere in the world;
- and
- an **innovative idea** of how this community could be strengthened or developed OR a connection with a positive sustainable community development initiative in any field already underway within this community that they would like to build upon.

Successful candidates will receive up to \$40,000 in funding.

## Research Opportunities in Biology 23-24?



### ***Summer 2024 NSERC Research Award Opportunity***

NSERC Undergraduate Summer Research Awards (USRA): Canada's Natural Science and Engineering Research Council (NSERC) underwrites these **internationally-recognized prestigious awards** to stimulate student interest in research and to help cultivate tomorrow's scientists. USRAs involve independent research and are taken up in NSERC-funded laboratories. The awarding of USRAs is carried out internally through Queen's Biology.

The new 2023-24 application forms and details **are now available** through [Awards and Opportunities](#). **The due date for applications is 3:00 pm, Friday, January 12, 2024.**

The award is \$6000.00 plus a supervisor top up and required fringe benefits (vacation pay is included). **The top up typically enhances the entire award to match or exceed the amounts paid by other positions, such as SWEP.**

#### ***Terms:***

- Students must work 16 consecutive weeks (35 hours per week).
- Students are not permitted to do thesis research while holding an award.
- Students are not permitted to take courses during working hours throughout the term of their award.

#### ***Eligibility:***

- Must be a Canadian citizen or permanent resident of Canada.
- Must be registered in an honours degree program in BIOL at the time of application and must be in at least year 2 of study.

- Must have obtained at least a “B” (or B-) (65-79%) average in their previous years of study.
  - If you are registered in health sciences (M.D., D.D.S., and B.Sc.N.) or have a higher degree in the natural sciences or engineering you are NOT eligible. Graduating BIOL students are eligible providing they have not started a program of graduate studies.

### ***ASURF – The Arts & Science Undergraduate Research Fund***

Another important source for funding undergraduate research endeavours is offered by ASUS. As stated on the ASURF website, the “Arts and Science Research Fund (ASURF) was implemented to foster a community amongst undergraduate scholars and promote a greater investment in undergraduate research”. Check out [ASURF!](#)

### ***Queen’s Work Study Program***

The Queen's Work Study program provides eligible students the opportunity to receive priority for certain part-time positions during a specified period of study. Many of these opportunities can be focused on undergraduate research experience in the various labs. Check out the details and the application @ [Queen’s Work Study Program | Registrar & Financial Aid Services \(queensu.ca\)](#)

### ***Queen’s Summer Work Experience Program (SWEP) – Career Services***

Career Services operates the Summer Work Experience Program (SWEP), a unique Queen's program that helps faculty members create challenging and rewarding summer jobs. Open to all year levels, a SWEP position will get you engaged full-time in an active research program for up to 16 weeks during the summer months. SWEP positions are competitive, so make sure to do your research about the positions you are applying for, and to show your interest and enthusiasm. Keep updated with the details as they develop SWEP positions for next summer. Bookmark the below link for convenient access.

[Summer Work Experience Program \(SWEP\) | Career Services \(queensu.ca\)](#)

### ***More Undergraduate Research Opportunities Through the Research Mentorship Courses BIOL538/539/540***

Biology 538 (3.0), 539 (3.0) and 540 (6.0) offer individual students the opportunity to undertake a laboratory research practicum under the supervision of a Biology faculty member. In addition to work in the host lab, students typically participate in specialized seminar series or lab-specific journal clubs and conduct research towards both a major paper and a seminar. These mentorships offer flexibility to accommodate both students and faculty. Further details are available @ [Research Mentorship - Queen's Biology Department \(queensu.ca\)](#)

**Did you know? ...** In order to encourage students to explore subject matter outside their program of study and to promote interdisciplinary study, all upper-year Arts and Science students will be permitted to designate up to 6.0 units of degree-credit courses for pass/fail grading, thereby minimizing any risk to the students’ GPA. Such courses designated for pass/fail grading will be referred to as **Personal Interest Credits (PICs)**. <https://www.queensu.ca/artsci/students-at-queens/the-personal-interest-credit>

### **Wondering about how many courses you can take from other Faculties and Schools towards your degree plan/program?**

A maximum of 6.0 units from courses offered by other Faculties and Schools may be counted towards the Program and/or Plan requirements of any degree in the Faculty of Arts and Science, in addition to any such courses allowed as either Core or Option course requirements.

All course codes listed in section 7 of the Academic Programs page are Faculty of Arts and Science courses. <https://www.queensu.ca/academic-calendar/arts-science/academic-programs/>

### **What is the “APR”?**

The APR is the Academic Progress Report. It is a handy tool that reviews your degree requirements, track plan progression, and it tells you what you have satisfied and what you still need to complete for your core degree plan requirements. Click here to Run an APR: <https://www.queensu.ca/artsci/undergrad-students/academic-requirements-reports-in-solus>. Students are expected to run their APR both prior to and after registration. The APR will help to flag potential concerns with respect to your registration and degree requirements.

**[Course Mapping Worksheet!](#)** This worksheet will help you set up a detailed road map for your courses so you can stay on track to meet your degree requirements.

### **Need help with your studies?**

Please visit Student Academic Success Services (SASS) at <http://sass.queensu.ca/>. SASS offers academic support to students who wish to develop their skills in critical thinking, reading, learning, studying, writing and self management.

### **Do you need to find a place to study on Campus?**

Check out this PDF layout of study spaces in the [Biosciences complex!](#)

### **Looking for a job?**

Wondering about career options or maybe considering Graduate School...then you need to visit: <https://careers.queensu.ca/students>

### **Wondering how to contact your course program associate regarding work associated with the lab component of core courses?**

BIOL 102: [biol102@queensu.ca](mailto:biol102@queensu.ca)

BIOL 103: [biol103@queensu.ca](mailto:biol103@queensu.ca)

BIOL 200: [biol200@queensu.ca](mailto:biol200@queensu.ca)

BIOL 205: [biol205@queensu.ca](mailto:biol205@queensu.ca)

BIOL 206: [biol206@queensu.ca](mailto:biol206@queensu.ca)

BIOL 212: [biol212@queensu.ca](mailto:biol212@queensu.ca)

BIOL 300: [biol300@queensu.ca](mailto:biol300@queensu.ca)

### **REMINDERS!**

#### ***Biology Degree Plans***

*Review your degree plan requirements and make sure you are selecting courses you need. Degree plan requirements can be found at: <https://www.queensu.ca/artsci/>*

#### ***Biological Foundations List - IMPORTANT!***

*It is very important to keep this GPA requirement in mind throughout your program, starting with first year. To be admitted to 400 and 500 level Biology courses, you will need a minimum GPA of 2.0 in any previously taken courses from Biological Foundations list.*

*The Biological Foundations List is BIOL 102, 103, 200, 212, (201, 202), 205, 206, 300, 330, 334, 339, and 341 (302, 303).*

*To be admitted to BIOL 400 and 500 level Biology courses you will need a minimum cumulative GPA of 2.0 in any previously taken courses from this list.*

## **Helpful Links**

[Information on Applying for a Course Prerequisite Waiver](#)

[Arts and Science Academic Deadlines](#)

[Arts and Science Calendar](#)

## **QUBS Quick Links**

Website: <https://qubs.ca>

Facebook: <https://www.facebook.com/QUBioStation>

Flickr: <http://www.flickr.com/photos/qubsoutreach>

YouTube: <https://www.youtube.com/user/QUBScam>

**Looking for a job?** [Quick Link](#)

**Looking for study and travel opportunities?** [Quick Link](#)

BIOLOGY Undergraduate Office

Monday to Friday 9:30am – 12:00pm & 1:00pm – 3:00pm

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