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 11 to 14 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 this issue.

$40,000 in funding for self-directed community project.

One year. One project. Unleash your potential

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.

Use this link to see the list of upcoming information sessions and workshops designed to help you build your project idea and engage with your community partner.
For more information, visit: [www.PathyFellowship.com](http://www.PathyFellowship.com)

### Research Opportunities in Biology 22-23?

#### Work Study Available for Fall and Winter Terms > Check out Registrar & Financial Aid Services

#### NSERC Undergraduate Summer Research Awards Biology - Applications Due Early Jan 2023

#### Summer Work Experience Program – Applications Due Feb 2023 > Check out Career Services

#### BIOL538/539 Research Mentorship

#### ASUS/Arts & Science Undergraduate Research Fund – Fall Submission Site Opens Sept 2022

#### Volunteering

#### QUBS AWARDS FOR THE FIELD STATION RESEARCH – Applications Due March 2023

#### Field Research Modules – Applications Due Jan 2023

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**Summer 2023 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 2022-23 application forms and details are now available through Awards and Opportunities. The due date for applications is 3:00 pm, Friday, January 13, 2023.

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 using the link below. ASUS is readying the next round of applications for the Fall term (starting September 2022).

ASURF — ASUS (queensasus.com)

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 through the link below.

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 is available at this link.

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.

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
BIOL 103: biol103@queensu.ca
BIOL 200: biol200@queensu.ca
BIOL 205: biol205@queensu.ca
BIOL 206: biol206@queensu.ca
BIOL 212: biol212@queensu.ca
BIOL 300: 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: http://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
- Frequently Asked Questions

**QUBS Quick Links**
Website: https://qubs.ca
Facebook: https://www.facebook.com/QUBioStation
Twitter: https://twitter.com/QUBS_Director
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
Rm. 3109d, BIOSC Complex
ug.biology@queensu.ca