

Undergraduate Research Opportunities List

Most deadlines are in mid-February but you should aim to have a supervisor lined up well in advance of the deadline.

OPPORTUNITIES AT WESTERN

Biochemistry Undergraduate Summer Research Program (BUSRP)

https://www.schulich.uwo.ca/biochem/research/positions_available/busrp.html

- A stipend of \$6000 will be paid to each student.
- Work term is 16 weeks from May to mid-August

Eligibility

- 2nd year students who have taken Biochemistry 2280A and have achieved a mark of 85% or above (no exceptions)
- 3rd year students who have taken Biochemistry 3381A and have achieved a grade of 75% or higher (no exceptions)
- Priority will be given to students in a Biochemistry module

How to apply

- Join the OWL BUSRP site (will become available during winter)
- Fill application form and submit with a resume, unofficial transcript, and a letter of reference
- Applications are due in early March

Dean's Undergraduate Research Opportunities Program (DUROP)

https://www.schulich.uwo.ca/gradstudies/future_students/undergraduate_research_opportunities/index.html

- Twenty positions available last summer (May-August)
- Hands on biomedical research experience under an experience Schulich Medicine & Dentistry Research Mentor
- \$6000 stipend will be received for the four-month period (\$3000 from Schulich Medicine & Dentistry + \$3000 from research supervisor)

Eligibility

- Science and Basic Medical Science undergraduate students

What do I need to apply?

- CV highlighting research experience to date
- A copy of all post secondary grades (Unofficial copy is fine)
- A maximum 300 word statement written by trainee indicating why they wish to pursue this opportunity
- 3 approved projects and supervisors that interest them most
- 2 reference letters commenting on the overall excellence of the candidate (not part of the integrated PDF file)

How to apply

- Application for 2018 not yet available yet

- Looking at Early 2018 deadline (past deadlines were at the end of January/beginning of February)
https://www.schulich.uwo.ca/gradstudies/future_students/undergraduate_research_opportunities/summer_research_application.html

Microbiology and Immunology Summer Undergraduate Research Fellowship (SURF)

<https://www.schulich.uwo.ca/microbiologyandimmunology/undergraduate/surf.html>

- A stipend of \$6000 will be paid to each student.
- Work term is 16 weeks from May to mid-August

Eligibility

- 2nd year or 3rd year students who have taken Microimm 2500A/B
- Priority will be give to students in Micro&Imm module with an average of 85 or above

How to apply

- Fill the application form available on the program website
- Submit the application form along with a personal statement, letter of reference, resume and unofficial transcript
- Applications are due in late February
- May or may not run this summer, awaiting update

Natural Sciences and Engineering Research Council of Canada (NSERC)

Undergraduate Student Research Awards (USRA)

http://www.nserc-crsng.gc.ca/Students-Etudiants/UG-PC/USRA-BRPC_eng.asp

- Attain a cumulative average of at least a grade of B or B- as defined by your university
- Hold a maximum of three university USRAs throughout your undergraduate university career
- Have completed all the course requirements of at least the first year of university study (or two academic terms) of your bachelor's degree
- Not have started a program of graduate studies in the natural sciences or engineering at any time
- Be engaged on a full-time basis in research during the tenure of the award
- Value of \$4,500 for a full 16-week period
- Application found online

Schulich School of Medicine & Dentistry

- List of eligible faculty members available from Stacy Bastien in Clinical Skills Building, room 2720 or Joan Estabrooks in Medical Sciences Building, room 138
 - List will not be available online!
- Submit forms to Clinical Skills Building, room 2720, by **Monday, January 22, 2018**
- Recipients expected to be selected by early March 2018
- Preference to second and third year students
- NSERC URSA Info Session slides:
http://www.schulich.uwo.ca/research/student_trainee_programs/student/NSERC-presentation-USRA-Nov-10-17-Schulich-002.pdf

Biology

https://www.uwo.ca/biology/undergraduate/awards_and_research.html

- Last year's deadline was January 9th

Contact the Faculty you wish to apply through (for application process, and list of eligible supervisors)

- Ivey Business School: Carly Vanderheyden (cvanderheyden@ivey.ca)
- Faculty of Health Sciences: Gord MacDonald (gmacdon5@uwo.ca)
- Faculty of Social Sciences: Pankhuri Malik (pmalik8@uwo.ca)
- Geography - Maggie Morris mmorr53@uwo.ca
- Psychology - Kim Baxter kbaxter7@uwo.ca
- Faculty of Science: Pam Brown (pjbrown@uwo.ca)
- Schulich School of Medicine & Dentistry: Stacey Bastien (stacey.bastien@schulich.uwo.ca)
- Faculty of Engineering: Whitney Barrett (whitney.barrett@uwo.ca)

Undergraduate Research Awards in Applied Mathematics and Statistics & Actuarial Sciences

http://uwo.ca/stats/undergraduate/img-pdf/nsercusra-apmathstatactsci_003_582dd05c1ec04.pdf

- Supervision is available in a variety of areas related to existing research conducted by faculty members in: numerical and symbolic computation, mathematical biology, dynamical systems, financial modeling, applied statistics, applied probability, actuarial modeling
- Employment term runs from May to August
- Total amount of the award for 16 weeks is a minimum of \$6420, but sometimes can be substantially higher
- Application deadline is on **January 9th, 2018**

NRC Student Employment Program

https://www.nrc-cnrc.gc.ca/eng/careers/programs/student_employment.html

- Provides students with practical career-related experience in research and development, library sciences, communications, marketing and other areas
- At least a B+ (GPA of 3.3) average
- A 16-week program (May to mid-August)
- Salaries are based on the number of academic semesters a student has completed
- Rolling application

Health Science: FHS Undergraduate Research Fellowship

https://www.uwo.ca/fhs/students/ugrad_research.html

- Research fellowship for students in the School of Health Studies, Kinesiology, and Nursing
- Selected students will be judged by the FHA Associate Deans and dean according to the academic excellence of the candidates and the quality of the project outlines

How do I apply?

- Application deadline is **November 16, 2017**.
- Submit a copy of their academic transcript, a one-page project outline, and a letter of support from the potential supervisor
- Application materials should be submitted on or before the deadline to: Associate Dean (Undergraduate), Faculty of Health Sciences, Room 200 in the Arthur and Sonia Labatt Health Sciences Building

OPPORTUNITIES IN TORONTO

Baycrest Summer Students

<https://www.rotman-baycrest.on.ca/index.php?section=668>

- Conduct research at Baycrest Health Sciences (Toronto, Ontario)
- Hands-on research experience in a laboratory clinical setting with a Baycrest Scientist
- 12-week work period, about 35 hours a week
- Students are paid a minimum of \$4,620.00 for the 3 months

Eligibility

- Students enrolled in an undergraduate degree (Years 1-4)
- Medical School students
- Master's and PhD are not eligible

How to Apply

- Students will usually be expected to work full-time hours (35 hours per week)
- Students will usually be expected to complete a full 12-week term
- Students will be paid a minimum of \$4,725.00 for a 3-month period
- Students will be required to work on a project assigned to them by their respective supervisors

Terms of Summer Program

- Students will usually be expected to work full-time hours (35 hours per week)
- Students will usually be expected to complete a full 12-week term
- Students will be paid a minimum of \$4,725.00 for a 3-month period
- Last summer, hiring decisions were made by April 15

Hurvitz Brain Sciences Summer Student Research Program

<http://sunnybrook.ca/research/content/?page=sri-ed-summ-brain>

- Summer studentships typically run from May to September
- Students must be enrolled in a university program and have a B+ average in their most recent academic year
- Students are required to contact scientists with whom they wish to work with
- Application deadline is early April

D+H Summer Student Research Program at Sunnybrook Research Institute

<http://sunnybrook.ca/research/content/?page=sri-ed-summ-uni>

- Allows hospital-based research experience
- Provides orientation, weekly seminar series, and end-of-summer research project competition
- Students must be enrolled in a university program and have a B+ average in their most recent academic year
- Employment term runs from May to September
- Students are responsible for contacting PIs directly
- Summer stipend ranges from \$5,800 - \$6,600
- Application deadline is not posted but students are encouraged to contact supervisors well before the deadline (early April)

Reactive Intermediates Student Exchange

<http://www.risecanada.ca/>

- Provides dedicated undergraduate students with opportunities to carry out original research and gain hands-on experience in the use of modern instrumental and other experimental techniques for the study of reaction mechanisms and reaction intermediates
- Students must have completed the equivalent of 2 or 3 full years of study as of the end of the school year in which they apply
- Employment term runs from May to August
- Salary will be provided by the group member at the host institution to which the student is assigned
- Application deadline was on November 10th, keep this in mind for next year!

Undergraduate Summer Research Program – University of Toronto Faculty of Pharmacy

<http://www.pharmacy.utoronto.ca/gradprograms/undergraduate-summer-research>

- Undergraduate students are offered a unique opportunity to participate in research in the following areas:
 - Molecular pharmacology and toxicology
 - Pharmaceutics and Pharmacokinetics
 - Clinical, Social and Administrative Pharmaceutical Sciences
- Provides participants to conduct research under the supervision of a Pharmaceutical Sciences faculty member
- Offers students opportunities to attend laboratory safety training sessions, a writing/presentation workshop, as well as biweekly seminar presentations by faculty members
- In mid-August, students will have the opportunity to present their research projects to their peers and the rest of the Faculty
- Presenters will be judged, and the winner will receive the National Summer Student Research Program Award to present research findings at the Canadian Society for Pharmaceutical Sciences Annual Meeting
- Duration: May to August
- Eligibility
 - Must have completed at least one year in a full-time undergraduate degree program;
 - Must have an average of 75% or higher to be eligible for scholarship competition;
 - Must be supervised by a Pharmaceutical Sciences faculty member.
 - The program is open to students at the University of Toronto and from other universities and institutions.
- Students who apply for the summer research program are automatically considered for awards (NSERC, Life Sciences, CIHR)
- Paid \$4000-\$6000 for the summer position
- Application deadline: **Friday, February 2, 2018**
- Link to application will be available early November 2017
- Required material: Transcript, letter of intent and curriculum vitae

Keenan Research Summer Student (KRSS) Program – St. Michael's Hospital

<http://stmichaelshospitalresearch.ca/future-students-trainees/summer-student-krss-program/>

- The Keenan Research Summer Student (KRSS) Program provides opportunities for undergraduate and medical students to conduct research in a laboratory and/or clinical setting at St. Michael's under the supervision of a principal investigator (scientist and/or MD)
- Students enrolled in a full time undergraduate degree can apply
- The last day you can submit applications to PIs is in late March
- Students hired as employees of the hospital and paid hourly wage that falls on a pay scale starting at \$10.25
- Students registered as research volunteers who wish to gain experience in a research setting
- Volunteer students will not be paid stipends/honorariums at any time and will solely act as volunteers

How do I apply and when can I contact PIs?

- Students must first align themselves with a St. Michael's PI. Look at the list of PIs and select a few who conduct research relevant to your interests

Molecular Genetics at University of Toronto

<http://www.moleculargenetics.utoronto.ca/summer-research-program/>

- Addresses questions of fundamental importance in molecular, cellular, and developmental biology using bacteriophage, bacteria, yeast, flies, nematodes, and mammalian cells as model systems
- The summer research program runs for 12 weeks, from May to August
- Students applying to the program should have an average of B+ or better
- Successful applicants will receive a stipend

How to apply

- Browse the research interests of the faculty
- Directly contact the faculty member(s) whose interests excite you, we suggest including a copy of your transcript and a resume/CV
- Application deadline is in mid March

Sick Kids Summer Research Program (SSuRe)

<http://www.sickkids.ca/Research/StudentandFellowResources/RTC/Training-Programs/Summer-Research-Program/>

- Research in lab or clinical setting at SickKids under supervision of Research Institute scientist
- 15 weeks, from early May to mid-August
- Includes weekly seminars, Annual Summer Student Symposium
- Present results of summer projects in poster format: 7 outstanding students

Eligibility

- Students enrolled in undergraduate program at time of application
- Canadian residents or landed immigrants
- No minimum GPA (strong GPA advantageous)
- Paid \$11.40 + 4% vacation for 35-hour work week
- Usually Monday to Friday 9 a.m. to 5 p.m. depending on research scientist

To apply

- Application form, resume, current university transcripts, one reference letter

- Last year's deadline was January 31
- Only those selected for interview contacted

Summer Student Research Program – University of Toronto Lab Medicine and Pathobiology

<http://www.lmp.utoronto.ca/undergraduate/programs/summer-student-research-program/summer-student-research-program-application>

- 12-week program starting mid-May
- The LMP Summer Student Research Program is comprised of three obligatory elements: a research experience, attendance at weekly lectures and presentation of a poster during the Summer Student Poster Day

Eligibility

- At least a B+ (GPA of 3.3) average
- Secure an LMP faculty supervisor *prior to* submitting an application form, email is preferred
- Submit an application form demonstrating an interest in biomedical research
- All applicants (including those who will be located in a hospital) must submit an application form along with a transcript or a statement of results showing marks for all University courses completed. You may also attach a CV detailing previous lab experience

Application Deadline: Mid March of 2018 (tentative)

The Ward Family Summer Student Research Program – Bloorview Research Institute

<http://research.hollandbloorview.ca/trainwithus/wardfamilysummerstudentresearchprogram>

- Information on the 2018 Ward Summer Student program will be available in late 2017

Brampton civic hospital for research opportunities

<http://www.williamoslerhs.ca/research-and-education/research/volunteers-and-summer-students>

- The Osler Research Department is accepting volunteer research assistants on a rolling basis from various educational backgrounds.
- Must have a minimum of two years of undergraduate degree or a completed college diploma
- Contact the research department at: (905)-494-2120 x56762 for more information

Summer Student Research Program

<http://www.williamoslerhs.ca/docs/default-source/research-education/template-for-researcher-abstract-submissions.pdf?sfvrsn=2>

- Program for students of various backgrounds with a minimum of two years of undergraduate education to gain experience in conducting research and for staff to receive resource support and assist them in bringing research and quality improvement projects to fruition
- This year's specialties: surgery, pathology, nephrology, palliative care, ophthalmology, laboratory medicine, emergency medicine, infectious disease, equity and inclusion, rheumatology, geriatrics
- 905-494-2120 x56762 or contact Dr. Ravi Bhargava, Corporate Manager of Research (Ravi.Bhargava@williamoslerhs.ca)
- Students interested in assisting with research during the summer months apply by: emailing their resume, cover letter, completed application from the coordinator of the Research Department
- The program is available to undergraduate, graduate, and medical students
- Last year, the student summer application closed in February

Undergraduate Summer Research Program – U of T Biomaterials & Biomedical Engineering

<http://www.ibbme.utoronto.ca/students/undergrad/summer-research/>

- University of Toronto - Institute of Biomaterial & Biomedical Engineering (IBBME)
- A 16-week program (May to mid-August)
- Provides an opportunity for students to work in a research setting and to obtain first-hand experiments of working in a lab, as well as participating in various biomedical engineering workshops and career talks

Eligibility

- Open to both current and non-University of Toronto undergraduate students
- Must be registered in an accredited university as a full or part-time student
- Must have completed at least one full year of an undergraduate program by the start of this program
- Must be enrolled in one of the following areas of general study at the time of application:
 - Dentistry, Engineering, Medicine, Science (including computer-related sciences)
- Applicants are encouraged to contact IBBME professors to discuss potential positions and projects
- 2017 Application deadline: Friday, February 17, 2017 (Has not posted 2018 date yet)

Summer Student Program Women's – College Research Institute

<http://www.womensresearch.ca/learning-centre/undergraduate-summer-program/>

- Enrolled in undergraduate, graduate, or medical program
- Late fall positions are posted
- Notified in February if selected for an interview
- Usually Monday to Friday 9 a.m. to 5 p.m. depending on research scientist
- Minimum 12 weeks maximum 16 weeks
- Paid between 12-15 hours for 37.5 hours per week with 4% vacation pay
- Last year's deadline: January 15, 2017

Southlake Regional Hospital – Volunteer Research Position

<http://www.southlakeregional.org/Default.aspx?cid=1654&lang=1>

- Must be available to donate 1 full day or 2 half days per week (60 hours of service)
- Applications are a first-come-first-serve basis
- University Students in their 2nd-4th year of health science related studies
- One MUST call for more information: 905-895-4521, ext. 2763

Placement Areas

- Cardiac
- Cancer Centre
- Family Medicine
- Mental Health
- Professional Practice
- Laboratory Services (Chemistry and Pathology Labs)
- Quality and Risk