'396' Undergraduate Research Project Application Form

Version: 200603

Office for Undergraduate Research in Science
Tel.: 514-398-5964 / Fax: 514-398-8102 / Dawson Hall, Room 211
Email: victor.chisholm@mcgill.ca Web: www.mcgill.ca/science/ours/

INSTRUCTIONS FOR STUDENTS

- **All fields are required, unless indicated otherwise.**
- Download and print this form. Complete Section C and sign.
- See "How students can apply" instructions in Section B.
- Your supervisor or department will tell you if you are selected for this project. If so, you will receive a code to register for a '396' course on MINERVA.

SECTION A: SUPERVISOR INFORMATION

Name: Ursula Stochaj
Email: ursula.stochaj@mcgill.ca
Phone: 514-398-2949
Website:
Supervisor's Department or Unit: PHYSIOLOGY
Course Number: PHGY396

SECTION B: PROJECT INFORMATION

Term: Summer 2008 **OR** Fall 2009
Project start & end dates: to be determined with supervisor before end of course add/drop period

Project title: How stress affects the communication between the cytoplasm and the nucleus.

Project description: Our group analyzes transport of macromolecules in and out of the nucleus with emphasis on the changes that are triggered by stress. Human culture cells or budding yeast serve as model organisms for these studies. A combination of biochemistry, genetics, cell and molecular biology is used to examine trafficking of macromolecules between the nuclear and cytoplasmic compartments. We are particularly interested in the signaling events that control nuclear transport under normal and stress conditions and in identifying the mechanisms that cells use to cope with the stress-induced damage to nucleocytoplasmic communication.

Prerequisites: 2 terms completed at McGill + CGPA ≥ 3.0

Grading scheme: Performance in lab: 50 %; final report 50%.

Other: Best way to reach me: e-mail

Status: Mark with an x. This project is…
[X] Open to applicants
[ ] Already taken; no more positions available this term
[ ] Taken, but contact me for other possible projects this term

Ethics, safety, and training Which of the following, if any, is involved? Mark with an x.
[ ] Animal subjects
[ ] Human subjects
[X] Biohazardous substances
[ ] Radioactive materials
[X] Handling chemicals
[X] Using lasers, confocal laser microscopy

For undergraduate students, ethics and safety compliance is the supervisor's responsibility.

How students can apply: Bring this application form and your advising transcript to me during office hours.

SECTION C: STUDENT INFORMATION. (1) PRINT LEGIBLY AND SIGN. (2) SEE "HOW STUDENTS CAN APPLY" IN SECTION B.

Name:
McGill ID:
Email: @mail.mcgill.ca
Phone:
Program: (e.g., B.Sc. Maj. Chem. Minor Biology)
Level: (circle one) U0 / U1 / U2 / U3

I have not applied for another 396 course in this term.

Student signature:
Date:

SECTION D: APPROVALS. (1) PRINT NAMES & SIGN. (2) NOTIFY OFFICE FOR UNDERGRADUATE RESEARCH IN SCIENCE. (3) GIVE STUDENT CODE TO REGISTER FOR COURSE ON MINERVA.

Supervisor:
Date:

Unit Chair, Director, or designate - I certify that this project conforms to departmental requirements for 396 courses.
Date: