

'396' Undergraduate Research Project Application Form

Version: 200603

Office for Undergraduate Research in Science
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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: Dr. Ronald Chase **Email:** ronald_chase@mcgill.ca
Phone: 514-398-6422 **Website:** <http://biology.mcgill.ca/faculty/chase/index.html>
Supervisor's Department or Unit: Biology **Course Number:** BIOL396

SECTION B: PROJECT INFORMATION

Term: Winter 2007 **Project start & end dates:** January 1 – April 30, 2007

Project title: Artificial insemination in land snails

Project description: To understand the mechanisms of sexual selection, and for studies of molluscan genetics, it would be useful to artificially inseminate snails. Thus, the goal of this project is to demonstrate the feasibility of this technique. A key measure of success will be to observe the injected sperm in the recipient's sperm storage organ. Thus, the sperm will be fluorescently labeled prior to injection, and the storage organ will be examined for presence of the label one week after insemination.

Prerequisites: 1 term completed at McGill + CGPA ≥ 3.0; or permission of instructor.

Grading scheme: 50% lab work, 50% final report

Other: _____

Status: Mark with an x. This project is...
[] Open to applicants
[] Already taken; no more positions available this term
[x] 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
[] Biohazardous substances
[] Radioactive materials
[] Handling chemicals
[] Using lasers

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

How students can apply: Contact me

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:** _____
I have not applied for another 396 course in this term. **(circle one)** U0 / U1 / U2 / U3
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:** _____