'396' Undergraduate Research Project Application Form

Office for Undergraduate Research in Science
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Email: victor.chisholm@mcqill.ca Web: www.mcqill.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.

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|---|---|-------------------|-----------------------|--------|-------------------|
| 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: | Winter 2008 | | Project s & end da | | - April 2008 |
| Project title: | The role of PI3 kinase in nucleocytoplasmic transport of heat shock proteins. | | | | |
| • | This project will analyze how signaling through PI3 kinase regulates the distribution and abundance of stress proteins and | | | | |
| Project description: | factors that control heat shock protein activity. Human culture cells will serve as the model system for these studies. Quantitative fluorescence microscopy and other imaging techniques will be employed to monitor the localization of candidate proteins under different physiological conditions. This will involve the use of specific pharmacological tools that inhibit Pl3 kinase. The abundance of heat shock proteins and their interacting components will be determined by Western blotting. The ultimate goal of these studies is to define at the molecular level the link between Pl3 signaling and stress protein function. | | | | |
| Prerequisites: | 2 terms completed at McGill + CGPA ≥ 3.0 | | | | |
| Grading scheme: | Performance in lab: 50 %; final report 50%. | | | | |
| Other: | Best way to reach me: email | | | | |
| 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 thi | | | | |
| | For undergraduate students, ethics and safety compliance is the supervisor's responsibility. | | | | |
| How students can apply: | | | | | |
| 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: | |
| | | | | Level: | |
| Program: (e.g., B.Sc. Maj. Chem. Minor Biology) I have not applied for another 396 course in this term. Student signature: | | | | _ | U0 / U1 / U2 / U3 |
| Student signature: | | | | | |
| 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: | |
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