



**2022-2023 Application for laboratory-based activities with Laboratory for Evaluation of Pharmacological Agents in Remediation of Disease (LEoPARD)**

*Important:* please read the entire application before beginning!

**Section A – Personal Information**

Name: \_\_\_\_\_

Program of study (i.e., major(s), minor(s)): \_\_\_\_\_

Anticipated program completion (e.g., Dec 2022, May 2023, etc.): \_\_\_\_\_

Grade point average: \_\_\_\_\_

Please include a copy of your transcript with this application (an unofficial transcript is acceptable).

Academic email address: \_\_\_\_\_

Personal email address: \_\_\_\_\_

An alternate email address you regularly monitor – ideally **one you expect you will continue to regularly use for one (1) year after you graduate.**

Phone number: \_\_\_\_\_

May be used to contact you in the event of important and/or time-sensitive matters.

**Section B – Prior education and experience**

Please list all **lecture** courses at the 200-level or above – pertaining to the chemical, biochemical, molecular, or cellular levels – where you earned a letter grade of **A**. Include course codes. Please do **not** include courses where a significant portion of the material was at the anatomic, organismal, or environmental levels. Attach additional pages if necessary.

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Please list all **laboratory** courses at the 200-level or above – pertaining to the chemical, biochemical, molecular, or cellular levels – where you earned a letter grade of **A**. Include course codes. Please do not include courses where a significant portion of the material was at the anatomic, organismal, or environmental levels, and do not include laboratory-based research-for-credit courses. Attach additional pages if necessary.

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Excluding laboratory courses (which you previously addressed), please list all **other laboratory experiences** in which you were involved for at least the length of one full semester or one full summer. These may include laboratory teaching assistantships, stockroom/teaching laboratory prep work, academic researchships (including research-for-credit, volunteer research, research experiences for undergraduates (REU), work-study/research-for-pay, etc.), industry research jobs, and so forth. If you have extensive lab experience that cannot be adequately addressed in the confined space below, please include a brief resume with this application form.

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Do you have any **other non-lab experience** that you confidently feel would be *realistically applicable to a technician-type or researcher-type position in a molecular biosciences laboratory*? Please list any relevant experience. If you have extensive non-lab experience that is realistically applicable to a molecular biosciences laboratory and cannot be adequately addressed in the confined space below, please include a brief resume with this application form.

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**Section C – Commitment to LEO-PARD activities**

*Important:* Before completing this section, carefully read the descriptions and expectations for the different roles of a LEO-PARD member at <https://leopard-online.ca/research/apply/>.

For which type of LEO-PARD role do you wish to apply? Please select **one**.

- Student-technician
- Only a 1-semester commitment needed for now
  - *At least* 3 hours/week of lab work during Fall/Spring semesters

– or –

- Student-researcher
- Ideally a 2-semester or 12-month upfront commitment is strongly preferred
  - *At least* 6 hours/week of lab work during Fall/Spring semesters
  - Interested in summer research (pending availability)

*Please read the next two questions together before answering either of them!*

Confidently and **with no exaggeration or inflation**, what is the minimum number of hours per week that you can realistically dedicate to lab work during a “typical” week during the Fall/Spring semester? A “typical” week is – in your best judgement – one where you have a **normal** level of course material, assignments, quizzes, exams, work, extra-curriculars, and so forth. A “typical” week is **not** – in your best judgement – what you would characterize as an especially “heavy” or “rough” week.

- I can dedicate a minimum of \_\_\_\_ hours/week to lab work during a “typical” week.

In the question above, you indicated the minimum number of hours/week that you would be able to dedicate to lab work during a “typical” week of the Fall/Spring semester. That said, do you expect a significant number of “atypical” weeks – or an otherwise “irregular” week-to-week schedule – where your minimum hours/week dedicated to lab work may potentially decrease below your answer above? If so, please explain.

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How do you wish to have your work with LEO-PARD compensated or remunerated (if applicable and eligible)? **Please check all mechanisms of interest** (can be more than one).

- Research for volunteer work
- Research-for-credit (i.e., a research course, e.g. CH-497)
- Research-for-pay (e.g., work-study, if applicable and eligible)

Students who join LEO-PARD – whether in the role of student-technician or student-researcher – must fully realize and embrace that **they have made a commitment to the research group, its present and future members, and the overall success and prosperity of our research programs.** This includes students who have extensive involvement in athletics, clubs, Greek life, student government, and other activities. Students who demonstrate that they are unable and/or unwilling to honour their commitment to LEO-PARD by working the minimum number of hours/week that they have denoted on this application form may be terminated from their LEO-PARD role, with loss of pay and/or course credit (if applicable), without a reference/recommendation letter, and without opportunity to rejoin the research group at a future time. Please tick and initial below confirming your full understanding of this commitment.

Tick here                    I understand and embrace the commitment I have made to LEO-PARD by indicating the minimum number of hours/week that I will dedicate to in-lab research on this application form. I fully understand and respect the potential penalties of not honouring this commitment, including loss of pay, loss of credit, loss of reference/recommendation, and loss of opportunity to rejoin the research group at a future time.

\_\_\_\_\_ Initial here

Do you have a local off-campus residence, where you can come and go at-will – without being forced by the College to vacate – thereby potentially continuing to perform lab work during “break” periods (e.g., Thanksgiving, Christmas/New Year, Spring Vacation, etc.)?

- Yes
- No

Taking advantage of “break” periods is important to maximizing the productivity of lab work – a meticulous and time-consuming process. **While it is not mandatory *per se*** to work during any or all breaks – particularly for student-technicians – **repeated failure to take advantage of break productivity will unquestionably slow research potential and progress.** Please provide a **preliminary** estimate of any hours or days you may be willing to invest in break productivity below. It is understood that this estimate is preliminary, non-binding, and that plans may change.

October break (Oct 13-14)	_____
	_____
Thanksgiving (Nov 21-25)	_____
	_____
Christmas/New Year (Dec 17-Jan 15)	_____
	_____
February break (Feb 16-17)	_____
	_____

Spring Vacation (Mar 13-17)

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Easter Break (Apr 7-10)

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Once concrete research progress has been made and promising data has been generated, dissemination of these results via presentation and publication is high priority! This may require extra time and effort to prepare poster and/or oral presentations, practice their delivery, write and revise manuscripts for peer-review, and travel to conferences. Are you able, willing, and interested in investing this extra time and effort should dissemination opportunities arise?

 Yes No

Some past students who have been members of LEO-PARD have *erroneously* assumed that their commitment is “done” when they have completed a research-for-credit course, when the semester has come to an end, when they have graduated, and so forth. **This is incorrect!** A LEO-PARD member has only fulfilled their commitment to completion when they have carried-out the following **exit tasks**:

1. Lab notebooks are completely up-to-date and written such that they are 100% intelligible to anyone else who reads them.
2. Data files are completely up-to-date and organized such that they are 100% intelligible to anyone else who reads them.
3. Weekly summary files are completely up-to-date and written such that they are 100% intelligible to anyone else who reads them.
4. Manuscript format files are completely up-to-date and written such that they are 100% intelligible to anyone else who reads them.
5. All retainable and reusable lab resources have been stored, labeled, and catalogued.
6. All waste has been properly disposed.
7. Contact information (e.g., email address and/or phone number) that will remain active and viable for at least one (1) full calendar year has been provided.

Students who are unable and/or unwilling to complete the exit tasks above are regarded as having abandoned and unfulfilled their commitment to LEO-PARD and may be subject to loss of reference/recommendation letter. Please tick the box and initial below to indicating your full understanding of this commitment.

 Tick here

\_\_\_\_\_ Initial here

I understand the need to complete the eight (8) exit tasks above to fulfill and finalize my commitment to LEO-PARD. I fully understand and respect the potential penalties of not honouring this commitment, including loss of reference/recommendation.

Thank you for conscientiously and diligently completing this entire application form! By signing and dating below, you acknowledge that the contents of this application form are true and accurate to the best of your recollection and understanding. Any incident of deliberately-falsified information will be aggressively pursued – potentially resulting from immediate termination of your role with LEO PARD and prospective loss of pay, credit, and reference/recommendation.

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Signature

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Date

- Transcript has been included
- Additional pages have been included for answers to Section A (if applicable)
- Brief resume has been included for answers to Section A (if applicable)