**Research proposal
Globalink award, research cluster CRIPA-FRQNT**

**Each strategic cluster can obtain
4 awards from MITACS-FRQ in the amount of 6000$/award**

**6000$ GLOBALINK/FRQ (a partner contribution not required in 2020)**

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| **Eligibility****Student** (> 18 year-old) full-time registered at the end of a 1st cycle program, MSc, PhD, or Postdoc, and * trainee , under the supervision of a university researcher from CRIPA-FRQNT in Quebec, Canada and performing the internship outside Canada.
* or intern visiting the team of a university researcher from CRIPA-FRQNT in Quebec, Canada.
* cannot undertake an internship at a university where he / she has already completed a student program or been employed;
* not have already been a Globalink scholarship recipient since the beginning of their university career.

**Supervisor**: should be an university professor authorized to supervise graduate students.**Duration / Location****Duration of the internship:** minimum 12 weeks, maximum 24 weeks (at most 25% of the internship time can be done in the intern's home institution (telework) at the start or at the end of the internship (writing or data analysis)**Location: see MITACS list of eligible countries** (in attachment).**Amount****6000$/student**  **Eligible expenses**: No costs for materials or laboratory equipment allowed; accepted expenses are only fees for the student: travel, accommodation and subsistence costs or some material needs (Ex.: computer or extended telephony package if justified for the project).**Project deliverables to CRIPA and MITACS at the end of the internship** 1. Report to be submitted at the end of the internship (MITACS outline)
2. Complete the MITACS end-of-project survey (the student and the 2 researchers)
3. Mention of the financial support of MITACS-FRQNT-CRIPA in all documents or communications arising from the research results of the project.

**Procedures** * You must complete all sections of this proposal in the language used on the application form.
* Please keep this form intact, without deleting or modifying section titles and descriptions.
* Single-spaced Arial 10 font
* For more information, please visit the <https://www.mitacs.ca/en/programs/globalink>.
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**1.** **Title of the project:**

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**2.** **Keywords to identify reviewers:** (3-10 specific keywords; 50% related to techniques, 50% discipline-related)

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**3. Internship**

**Proposed period:** Project start and end dates are the period that the student will be working on the research project (minimum of 12 weeks, maximum of 24 weeks). MITACS recommends that candidates submit their application 16 weeks prior to the proposed start date.

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| --- | --- | --- | --- |
| Project start date (dd/mm/yyyy) : |  / / 2021 | Project end date (dd/mm/yyyy) : |  / / 20… |
| If applicable, indicate what percentage of the project will be conducted at the intern's university of affiliation (to a maximum of 25%): |  % |

**4. Identification of collaborators**

**Intern's laboratory of affiliation**

|  |  |  |  |
| --- | --- | --- | --- |
| Last name, First name: of the researcher  |  | DesignationMr. Ms. |  |
| University |  | Email |  |
| Department |  |  |  |
| Address  |  | Phone |  |
| City |  | State |  |
| Postal code |  | Country |  |

**Intern's host laboratory**

|  |  |  |  |
| --- | --- | --- | --- |
| Last name, First name: of the researcher  |  | DesignationMr. Ms. |  |
| University |  | Email |  |
| Department |  |  |  |
| Address  |  | Phone |  |
| City |  | State |  |
| Postal code |  | Country |  |

**5. Identification of the student**

|  |  |  |  |
| --- | --- | --- | --- |
| **First name** |  | **Last name** |  |
| **Gender**\*: (\*required to verify that equity, diversity and inclusion are considered for the selection of the laureates)) |
| According to Canadian passport standards | Man [ ]  | Woman [ ]  | Other identity [ ]  |
| **Have you reached legal age in Canada** (18 years or older)**?** | Yes [ ]  | No [ ]  |
| **Laboratory contact** |
| University |  | University e-mail |  |
| Department |  | Alternate e-mail |  |
| Address at the university |  |
| City |  | State |  |
| Postal code |  | Country |  |
| **Actual degree informations** |
| Are you currently participating in a joint degree/cotutelle? | Yes [ ]  | No [ ]  |
| Degree program during project |  |
| Expected year of graduation (mm/yyyy) |  /  |
| **Citizenship** |
| Canadian citizen | [ ]  | Other citizenship | [ ]  |
| Permanent resident of Canada | [ ]  | Other permanent residence | [ ]  |
| **Demographic information \*** |
| Francophone | [ ]  | A person with disability | [ ]  |
| Indigenous | [ ]  | First in your family to attend university | [ ]  |
| Member of a visible minority group - *includes persons who are non-Caucasian in race or non-white in colour and who do not report being indigenous* |
| **Has the student held any previous MITACS funding?** |
| Yes [ ] No [ ]  | Start date (dd/mm/yyyy)  | End date (dd/mm/yyyy)  |

**~~6.Autres sources de financement~~**

~~Provenance du 2000$ minimal de cofinancement que ceux fournis par la Bourse de recherche Globalink-FRQ-CRIPA sont nécessaires pour ce projet, veuillez indiquer le(s) source(s) additionnelle(s) de financement dans le tableau ci-dessous.~~

|  |  |  |
| --- | --- | --- |
| **~~Source de financement~~** | **~~Montant ($)~~** | **~~État de financement : Confirmé ou en attente~~** |
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**7. Award allocation and breakdown - Mitacs contribution**

In the table below, please indicate, to a maximum of $6,000, the anticipated allocation of the Mitacs portion of the Globalink Research Award. Mitacs recommends that applicants allocate a minimum of $4,500 of the total research grant towards student-related costs. These include student travel costs, living expenses, and student stipend. Please note that policies regarding the distribution of the research grant can vary according to the Canadian university. Mitacs recommends consulting with the Canadian university prior to submission for further information. Mitacs International can assist you in identifying your university office representative.

|  |  |
| --- | --- |
| **Award Allocation Allocation of Mitacs Funds for the Research Project ($)** | **Amount ($)** |
| 1. Stipend (Student payment\*)
 |  |
| 1. Research Costs (Example: extended phone plan, no lab furniture…)
 |  |
| 1. Travel and Living Expenses (Example: airfare, insurance,accommodations, food)
 |  |
| Total: (A+B+C) - this total must match the Total Mitacs Funds as shown below |  |
| **Total Mitacs Funds: 6,000** |  |

\*The student must be paid the stipend amount indicated in the budget. If the intern is paid less, this will be indicated on the university report to Mitacs and the difference must be returned to Mitacs.

**8. STUDENT STATEMENT OF INTEREST** *(approximately 0.5 pages)*

Explain how participating in Mitacs Globalink will benefit your academic studies and research career (e.g., working with internationally renowned experts, unique opportunities for fieldwork or data collection, access to facilities, or expertise not available at your home institution). 5 points/100

**9. RESEARCH PROPOSAL** *(1.5 to 2.5 pages single spaced excluding timeline and cited literature)*(scientific quality 50 points)

**9.1 Background**

10 points/100

Provide a review of the existing literature with references to relevant prior work. Explain the contribution of your project to this literature, e.g. the gaps it will fill or its novelty.

Indicate the context related to CRIPA's mission: Improve the control of pathogens that affect the pig and poultry industries, having an economic and population health impact (indicate to which research axis of the CRIPA-FRQNT program, the project relates).

**9.2 Objectives** for the Mitacs Globalink research project

 30 points/100

Provide the objectives and sub-objectives planned for the internship period. Include your research question(s) and/or hypotheses. If the internship is part of a bigger project (either a thesis or a team project), you may provide a short description of the context of your work and how your internship relates to this bigger project. Indicate the title of the project and the methodology.

 **9.3 Significance** of the project

10 points/100

What specific contributions will the project provide to industry or society? What are the challenges facing society or industry that you will address?

**9.4 Timeline** showing which task will be done when to achieve each objective planned during the internship

The timeline should focus on the tasks to be completed at the host institution. We suggest using a Gantt chart.

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| Duration of the internship: from a minimum of 12 weeks to a maximum of 24 weeksNB: 25% of the internship time can be teleworking at the end or start of the project (literature review, or drafting of the final report) with proof of regular supervision of the researcher hosting the intern to be provided. |
| **Periode** | **Activity** |
| Weeks 1-4 |  |
| Weeks 5-8 |  |
| Weeks 9-12 |  |
| Weeks 13-16 |  |
| Weeks 17-20 |  |
| Weeks 21-24 | ex. Writting the final report |

**9.5 Cited literature**

**10. BENEFITS TO CANADA** (Relevance of the internship 35 points)

**10.1 Strengthening Canada’s innovation capacity**

10 points

Explain what your project will bring to Canada (e.g. missing skills, techniques or expertise that will be brought back or brought in, original data that will be collected (by accessing specific sites or populations), innovative ways of thinking that will provide another perspective to solve Canada’s challenges, enhance impact of Canadian science. Indicate the potential application or contribution to new knowledge generated by the project in relation to CRIPA’s mission. Describe the absence or the difficulties of having relevant expertise in Quebec.

**10.2 Collaborations between participating researchers**

**10.2.1 Does this project build on an existing international collaboration?**

5 points

 Yes [ ]  No [ ]

**10.2.2 Does this project create potential for future collaborations?**

5 points

 Yes [ ]  No [ ]

**10.2.3 Please describe briefly the existing, planned or future collaboration.**

5 points

Include a summary of the collaboration and length of time, any past exchange of personnel, etc. Clearly explain the role of each researcher and collaborator by emphasizing the complementary aspect of the expertise in this project.

**10. Interaction**

10 points

Provide detailed information on the interaction between the host supervisor and the intern, including the supervision and mentorship that the student will receive, as well as the frequency and location of these interactions. If portions of the research will be conducted away from the primary host institution, such as field work, indicate the percentage (%) of time during the project that the intern will spend at the host university. ex. weekly interactions during laboratory meetings, daily supervision by a postdoc or research technician.

**11. Certificate of aptitude for handling biohazards or from animal ethics committee**

If the proposed research involves human subjects or animal subjects or biohazards, the proposal must be reviewed by the participating University Research Ethics Board, or Animal Care Committee… and a report by the board must be obtained. Please note: Mitacs may request to receive a copy of the report.

Does the proposed research require an ethic or care committee authorisation?Yes [ ]  No [ ]

Is a biohazards review required?Yes [ ]  No [ ]

Human subjects ? Yes [ ]  No [ ]

Living animal subjects? Yes [ ]  No [ ]

Biohazards? Yes [ ]  No [ ]

**12. Required documents** (10 points for student CV)

1. Student CV (10 points, excellence du candidat)
2. CV host researcher

Must include funding history, publications, and graduate interns supervised

1. Letter of support from the CRIPA researcher
2. Letter of support from the foreign collaborator

Letters of support must:

* Be written on university letterhead and be signed by the professor;
* Provide the supervisor’s title and department;
* Outline supervisory and/or financial support for the intern and project;
* Describe the intern’s academic and research qualities, outstanding achievements, and ability to complete the project.