**CISeAL Lab Internships**

As part of our commitment with research and education, each year we host a variety of educational programs to promote the exchange between nations.

In the following chart, you will find a list of our internships available. Once you identify the one of your interest, please fill out the form attached at the end of this document and send it to ciseal@puce.edu.ec

|  |  |  |
| --- | --- | --- |
| **Principal Investigator** | **Research Area** | **Internship description** |
| [Miryan Rivera MSc.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=9) | Amphibians | The internship will consist in four days in which you will be able to be part of different activities, such as: extraction of skin secretions from frogs, freeze-drying processes and tests of disc diffusion and micro dilution in broth to test the antimicrobial effect of the secretions. |
| [Jaime Costales PhD.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=3) | *Trypanosoma cruzi* host/parasite interactions and epidemiology of Chagas disease in Ecuador. | The intern should have an interest in working with microorganisms (trypanosomes). Also, ideally the student should have some experience in sterile technique. |
| [Marco Neira PhD.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=7) | Biology, Physiology, and Control of Mosquitoes (Diptera: Culicidae) of medical interest. | The main responsibility would be to help with the early steps of processing of field-caught mosquitoes for molecular screening. Additionally, the person would help out with basic tasks form mosquito colony maintenance in the insectaries. |
| [Anita Villacis MSc.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=11) | Vector Biology, Ecology, Risk Factors, Population Dynamics, and Molecular Biology Analysis of Chagas disease Causal Agent in Ecuador. | The internship will focus on Medical Entomology activity (*Triatomines*). The intern will participate in the extraction and handling of wings for morphometry studies. |
| [César Yumiseva Mtr.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=12) | Diseases Ecology, Spatial Ecology, Spatial Epidemiology, Geostatistics and Ecological Niche Models. | The activity in the Center of Information Management will focus on supporting information input and controlling the quality of databases of information collected in the field. |
| [Sofía Ocaña MSc.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=8) | Dynamics and interactions between parasite-vector-host. | The internship will focus on the study of the dynamics and interactions between parasite-vector-host, which have a role in the transmission of infectious diseases, particularly, in cases of Chagas and Malaria. |
| [Alexandra Narváez MSc.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=6) | Bio-Prospection. | The intern will collaborate at the Plant Biotechnology Lab, where the team works to identify the benefits of the Ecuadorian Biodiversity. The group focuses on the discovery of new biocompounds found in endophitic fungi associated with different Ecuadorian ecosystems. |
| [Fabián Saénz PhD.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=10) | Molecular Biology Studies to Contribute in the Elimination of Malaria in Ecuador. | The intern will collaborate actively in a series of tasks related to molecular epidemiology of *Plasmodium*, the parasite causing malaria. |
| [Ana Lucía Moncayo PhD.](https://cisealpuce.edu.ec/en/research/researcher.html?showall=&start=5) | Epidemiology of infectious diseases and evaluation of social and biomedical programs on public health. | The intern will collaborate in the PI’s research on public health.  |

\*For further information about one the internships listed above, feel free to contact us via email.

**Lab internship form 1, 2**

**Full name:**

**Email address:**

**Institution of origin:**

**Internship start date:**

**Internship end date:**

1. Please rank from 1 to 3 the researchers you will like to work with during your internship (1 being the option you prefer the most).

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Please write a brief paragraph explaining why you want to work with this researcher and how your interests are related to the work you will be conducing during your internship at CISeAL.

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1. Will you prefer to rotate and work with more the one researcher?

YES \_\_\_\_

NO \_\_\_\_

Additional comments:­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1 Please, keep in mind that by sending this form you are only applying to our summer internships program. Your acceptance to this program is subject to the PI evaluation of your application.

2 All expenses generated before, during and after the internship will be responsibility of the applicant.

In case you are interested in other paths of collaboration at CISeAL, such as volunteer work, please check [www.cisealpuce.edu.ec](http://www.cisealpuce.edu.ec) to see all available options.