**BOURSES FONDATION PIERRE LEDOUX – JEUNESSE INTERNATIONALE**
**Propositions de Stages**

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| **FIOCRUZ Ceará** | **1** | **Pasteur-Fiocruz Center on Immunology and Immunotherapy** | **Caroline Passaes**<br><br>(cpereira@pasteur.fr)<br>caroline.passaes@fiocruz.br | **Immune Signatures of Viral Control and Persistence in HIV Infection**<br><br>Our research investigates the immune mechanisms that determine outcomes in chronic viral infections, using HIV as a model of immune dysregulation. We seek to understand why some individuals control viral replication, either naturally or after early treatment, while others progress to disease. By analyzing immune responses to infection, we aim to identify key correlates of viral control, immune dysfunction, and disease progression, ultimately informing the development of innovative strategies toward an HIV functional cure.<br>During the internship period, the student will work alongside an MSc student and contribute to the immunophenotyping of samples from people living with HIV diagnosed at different stages of infection. | **3 to 6 months**<br><br>(to be defined according to the student's availability) | The student is required to have completed coursework in virology and/or immunology and to have prior laboratory experience. | **Flexible**<br><br>(to be defined according to the student's availability) | On-campus accommodation is not available. |
| **FIOCRUZ Rio** | **2** | **Laboratoire de biochimie et de physiologie des insectes** | **Fernando Ariel Genta**<br>genta@ioc.fiocruz.br | **Développement et essais d'insecticides**<br>Aspects environnementaux et comportementaux | **3-10 months** | Baccalauréat en sciences de la santé ou dans un domaine connexe. | Seconde moitié de 2026 | Oui (gratuit) |

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| **FIOCRUZ Rio** | **3** | **Cellular Biology Laboratory of Oswaldo Cruz Institute** | **Maria de Nazaré Correia Soeiro** soeiro@ioc.fiocruz.br | **Nonclinical screening of novel drug candidates for tropical neglected diseases** | **3-6 months** | Master | July 2026 | No |
| **FIOCRUZ Rio** | **4** | **Laboratoire de recherche clinique en dermatologie infectieuse** | **Priscila Marques de Macedo** priscila.marques@ini.fiocruz.br | **Analyse exploratoire de la paracoccidioïdomycose aiguë et subaiguë dans les zones urbaines et périurbaines de Rio de Janeiro, Brésil (2004–2024)** | **6 mois** | Epidémiologie – Infectiologie | 01/2027-07/2027 | Non<br><br>Frais de séjour estimés à 1.500 € / mois |
| **FIOCRUZ Piauí** | **5** | **Entomological Surveillance Laboratory Fiocruz Piauí** | **Simone Patrícia Carneiro de Freitas** simone.carneiro@fiocruz.br/ sfreitas2@gmail.com | **Entomological Surveillance and Health Education**<br><br>The proposed internship aims to provide the student with practical experiences, both in the laboratory and in the field, with activities focused on the study of neglected diseases, with an emphasis on Chagas disease and leishmaniasis, as well as health education actions. During the internship period, the student will have the opportunity to experience: (1) Fieldwork with insect collection, use of traps and taxonomic identification; (2) Analysis and study of georeferencing data applied to health surveillance; (3) Laboratory activities, including serology for Chagas disease; (4) Experience in attending to cases in Basic Health Units; (5) Acting as a monitor in training courses for Community Health Agents and Endemic Disease Control Agents in endemic municipalities of the state. | **3-10 months** | Formation in Biology or Health-related fields, with an interest in neglected diseases. Enthusiasm, curiosity, a willingness to undertake field trips, and a desire to learn about vector insects. | Depending on the candidate's availability | Fiocruz Piauí does not have the resources to cover all the intern's expenses. The intern may have to use their own funds for travel, accommodation, and food. |

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| **FIOCRUZ Amazonia** | **7** | Lab. Infectious diseases and Immunology-UFAM/ILMD-Fiocruz Amazônia | Pritesh Jaychand Lalwani Pritesh.lalwani@fiocruz.br | **Emerging Virus Research Internship: Epidemiology and Immune Response in the Amazon Region**<br>Join our team as an Intern to dwelve into the intricate world of emerging viruses in the biodiverse Amazon region. This internship offers a unique opportunity to contribute to cutting-edge research focusing on epidemiology and immune response mechanisms against emerging viruses.<br>**Key Activities**<br>1. Field Research: Assist in field expeditions to collect human or animal samples from diverse ecological niches within the Amazon region, including remote areas, to identify potential emerging viruses.<br>2. Data Analysis: Analyze collected samples using advanced molecular biology and serological techniques to identify and characterize viruses.<br>3. Epidemiological Studies: Contribute to epidemiological investigations by analyzing data on virus transmission dynamics, host reservoirs, and potential spillover events in the Amazon ecosystem.<br>4. Immune Response Analysis: Investigate host immune responses to emerging viruses through serological assays, cytokine profiling, and immunohistochemistry techniques.<br>5. Collaboration: Collaborate with interdisciplinary teams including virologists, epidemiologists, ecologists, and immunologists to integrate findings and develop comprehensive insights into emerging virus dynamics. | **3 to 12 months** | - Pursuing or holding a Bachelor's or Master's degree in Biology, Microbiology, Immunology, Epidemiology, Veterinary, Medicine or a related field.<br><br>- Excellent organizational skills and ability to work effectively in a collaborative research environment.<br><br>- Proficiency in English (spoken and written) is required; proficiency in Spanish or Portuguese is advantageous. | Negotiable | No.<br><br>Housing close to lab available. |

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| **FIOCRUZ Minas** | **6** | **RdM Lab – Biotechnology Applied to Pathogens Research Group** | **Rubens Lima do Monte Neto, rubens.monte@fiocruz.br** | **Act on projects focused on the control of Leishmaniasis.**<br><br>We develop (i) species-specific molecular diagnostic PoC tools, (ii) vaccine strains by disruption of essential genes for amastigote forms and (iii) research on new alternative drugs to treat experimental leishmaniasis and the study of drug resistance mechanisms | **3 to 10 months** | Desired: previous experience with cell culturing and molecular biology tools | May 1st 2026 | Please contact our international affairs office: nai.minas@fiocruz.br |
| **IP Montevideo** | **8** | **Laboratory Redox Biology of Trypanosomes** | **Natalia Oddone, Dr., noddone@pasteur.edu.uy**<br>**Marcelo Comini, Dr., mcomini@pasteur.edu.uy** | **In vivo detection of lipoperoxides in *Caenorhabditis elegans*. Senescence and oxidative stress.**<br><br>The student will participate in the characterization of a new GFP (Green fluorescence protein)-based lipoperoxide reporter expressed by wildtype and mutants (on specific peroxidases) worms, using confocal microscopy techniques and bioassays. The link between lipoperoxides, senescence and oxidative stress will be investigated at organismal level. This research will be done in collaboration with the Worms Biology lab. (Institut Pasteur Montevideo). | **3-6 months** | yes | August-September 2026 | No |

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| **IP Montevideo** | **9** | **Laboratory of Host-Pathogen Interactions** | **Carlos Robello robello@pasteur.edu.uy** | **This internship focuses on the regulation of gene expression in *Trypanosoma cruzi*, the protozoan parasite that causes Chagas disease.** Due to its unusual genome organization and the absence of canonical transcriptional regulation, *T. cruzi* relies predominantly on post-transcriptional mechanisms to control gene expression.<br><br>The student will explore molecular and genomic mechanisms regulating mRNA expression, as well as the role of genome architecture in these processes.<br><br>This internship provides training in molecular parasitology and functional genomics, offering exposure to current research questions related to parasite biology, pathogenesis, and the identification of potential targets for therapeutic or prophylactic interventions. | **6 months** | Yes | January 2027 | No |

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| **IP Montevideo** | **10** | **Redox Biology of Trypanosomes, Institut Pasteur de Montevideo, Uruguay** | **Gonzalo Scalese gscalese@pasteur.edu.uy**<br><br>Marcelo Comini (mcomini@pasteur.edu.uy) | **Characterization of parasites expressing a lipid peroxide biosensor and its application to the high-content screening of compounds**<br><br>The student will participate in the characterization of genetically modified trypanosomatid cell lines expressing a lipid peroxide biosensor. The project will also involve the evaluation and screening of chemical compounds capable of inducing lipid peroxidation. The intern will gain hands-on experience in cell culture, fluorescence-based assays, redox biology techniques, data analysis, and compound screening approaches. | **3 – 6 months** | Background in biology, biochemistry, biotechnology, molecular biology, or related fields. Basic knowledge of cell culture and laboratory techniques is desirable. | Second semester (flexible, to be agreed upon) | Not available |