

BOURSES FONDATION PIERRE LEDOUX – JEUNESSE INTERNATIONALE
39^{ème} APPEL D'OFFRE
RESEAU INTERNATIONAL DES INSTITUTS PASTEUR
Propositions de Stages

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Institut Pasteur du Cambodge	1	Unité d'Epidémiologie et Santé Publique	Veronique.Chevalier chevalier@cirad.fr vchevalier@pasteur-kh.org Philippe.Dussart pdussart@pasteur-kh.org	Paramètres démographiques des populations de chiens et immunité post-vaccinale contre la rage au Cambodge	6 mois	Epidémiologie Analyses statistiques	Mai 2020	Oui 250 euros/mois
Institut Pasteur de Dakar	2	Pôle Epidémiologie, Recherche Clinique, Sciences des Données	Dr Fabien Taieb	Evaluation de la faisabilité de la décentralisation du système LAMP de mesure de la charge virale Hépatite B	3-4 mois	Médecin, Recherche clinique	Juin 2020	Oui, loyer 187500 FCFA (287€)
Institut Pasteur de Dakar	3	Pôle Epidémiologie, Recherche Clinique, Sciences des Données	Dr Fabien Taieb, Dr Ousmane Faye	Evaluation de la Séroprévalence et des Risques d'Infection par le Virus de la Dengue au Sénégal	5-6 mois	Epidémiologie, Recherche clinique	Fin avril- début mai 2020	Oui, loyer 187500 FCFA (287€)
Institut Pasteur de Dakar	4	Pôle Epidémiologie, Recherche Clinique, Sciences des Données	Dr Fabien Taieb, Dr Mamadou Aliou Barry	Evaluation du recours à la prescription antibiotique lors du premier recours aux soins pour un syndrome fébrile : exploration des données issues du système syndromique de surveillance du Sénégal	5-6 mois	Médecin, Recherche clinique	Fin avril- début mai 2020	Oui, loyer 187500 FCFA (287€)
Institut Pasteur d'Iran	5	Molecular Biology unit	Mana Oloomi manaooloomi@yahoo.com	The non-coding RNA signature in gut microbiome and Breast cancer	Up to 10 months	Master 2 PhD	2020	No accommodation

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Institut Pasteur de Montevideo	6	Laboratory Redox Biology of Trypanosomes	Marcelo A. Comini mcomini@pasteur.edu.uy	<p>Elucidating the role of novel glutathione S-transferases from pathogenic trypanosomes</p> <p>Recently, we have identified two glutathione S-transferase (GST) in the genome of pathogenic Kinetoplastids) that have no homologue in mammals. This project aims at the characterization of the biological role of GST2 in African trypanosomes. Parasites over- and down-expressing GST2 will be subjected to phenotypic characterization in vitro (proliferation, subcellular localization, stress response) and in vivo (mouse infectivity). We expect to verify the relevance of this protein for African trypanosomiasis.</p>	8-10 months	Yes	May 2020 or later	No available on-campus accomodation
Institut Pasteur de Montevideo	7	Cell Biology Unit	Mariela Bollati-Fogolín mbollati@pasteur.edu.uy	<p>Generation and validation of redox-based reporter cell lines relevant for biomedicine</p> <p>Maintenance of intracellular redox homeostasis is critical for different physiological and pathological process. Recently, we have developed and validated new fluorescent biosensors. The aim of this project is to generate and characterize reporter cell lines from different origins (HT-29, THP1, Bv2, Neu2A and HaCat) using those biosensors. The reporter cells will be evaluated by flow cytometry and confocal microscopy and will be validated in different biological contexts (inflammation, infection, among others).</p>	8-10 months	<p>Yes</p> <p>The candidate must be a graduate, Master or PhD student in medicine, pharmaceutical or biological sciences, veterinary or other related area.</p>	May 2020 or later	No available on-campus accommodation

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Institut Pasteur de Nouvelle Calédonie	8	Groupe Immunité et Inflammation	Dr Mariko MATSUI mmatsui@pasteur.nc	Evaluation du potentiel anti-inflammatoire de substances naturelles issues de la biodiversité de Nouvelle-Calédonie. Au moyen de modèles cellulaires reproduisant l'inflammation <i>in vitro</i> , l'étudiant aura pour objectif d'évaluer le potentiel anti-inflammatoire d'extraits issus de la flore terrestre ou marine néo-calédonienne ainsi que l'activité de molécules de synthèse analogues de composés naturels.	3-4 mois	Licence / Master	Juin 2020	Pas d'hébergement. Compter 500€/mois environ pour un studio ou une place en colocation sur Nouméa.
Institut Pasteur de Nouvelle Calédonie	9	Groupe Immunité et Inflammation	Dr Julie CAGLIERO jcagliero@pasteur.nc Dr Vincent CAVAL Vincent.caval@pasteur.fr	Délétion du gène <i>APOBEC3B</i> et dommages sur l'ADN chromosomique en Nouvelle-Calédonie » ou APODEL. Cette étude a pour but de mieux comprendre l'impact de la délétion du gène <i>APOBEC3B</i> , prévalente en Asie du Sud Est et en Océanie, sur l'activité des <i>APOBEC3</i> , cette délétion étant associée à un risque accru de développer un cancer.	3-4 mois	Etudiant en Licence ou Master (Biologie moléculaire, immunologie, oncologie)	Juin 2020	Pas d'hébergement sur le campus. Compter 500€/mois environ pour un studio ou une place en colocation sur Nouméa.
Institut Pasteur de Nouvelle Calédonie	10	Unité de Recherche et d'Expertise sur la Leptospirose	Dr Cyrille GOARANT cgoarant@pasteur.nc	Etude de la capacité des sols de Nouvelle-Calédonie à permettre la survie des leptospires pathogènes. Application à l'évaluation du risque de leptospirose humaine.	6 mois	Master ou fin d'études vétérinaires	Octobre 2020	Pas d'hébergement sur le campus. Accueil possible à la résidence universitaire. Compter 500€/mois pour un studio ou une en colocation à Nouméa.

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Institut Pasteur de Nouvelle Calédonie	11	Unité de Recherche et d'Expertise Dengue et Arboviroses	Dr Myrielle DUPONT-ROUZEYROL mdupont@pasteur.nc	Interaction virus de la dengue et <i>Wolbachia</i> chez <i>Aedes aegypti</i> et impacts sur l'évolution virale. Etudes <i>in vivo</i> chez le moustique et <i>in vitro</i> . Volet clinique associé.	6 mois	Master 2 Interne de médecine ou pharmacie pour le volet clinique.	Novembre 2020	Pas d'hébergement sur le campus. Accueil possible à la résidence universitaire. Compter 500€/mois pour un studio ou une en colocation à Nouméa.
Institut Pasteur de Tunis	12	Laboratoire d'Epidémiologie Moléculaire et de Pathologie Expérimentale – Institut Pasteur de Tunis	Emna Harigua, PhD. harigua.emna@gmail.com	Implémentation et évaluation des performances d'une architecture multi-réseaux pour l'identification de nouvelles applications thérapeutiques de molécules approuvées. <i>Keywords : Deep learning, Convolutional neural networks, network interaction, drug discovery</i>	2-4 mois	Ingénierie, Statistiques Appliquées	Juillet 2020 ou Septembre 2020	non
Fiocruz – Rio de Janeiro	13	Laboratory of Structural Biology – Oswaldo Cruz Institute – Rio de Janeiro	Daniel Adesse, PhD. Associate Researcher adesse@ioc.fiocruz.br	Experimental Neuro-toxoplasmosis The project focuses on the alterations in the mouse brain caused by the infection with protozoan parasite <i>Toxoplasma gondii</i> . Students will have the opportunity to work with cell culture models that mimic the main targets of the parasite: neurons, astrocytes and neural progenitor cells; use <i>in vitro</i> model of blood-brain barrier; mouse models of congenital or acquired infection, that have great relevance to human disease. Other techniques will include immunocytochemistry, confocal microscopy, western blotting and quantitative RT-PCR. The details of the activities that the student will perform will depend on the time that will be spent in our laboratory and previous experience (or lack of experience) of the candidate.	3-10 months	Masters/PhD in Cellular or Molecular Biology Or Biology background minimal laboratory experience	September 2020	On-campus accommodation for approximately US\$700.00 per month, for up to 45 days. Off-campus accommodation at no cost, upon availability.

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Fiocruz – Rio de Janeiro	14	Lab. de Immunologie Clinique	Paulo R. Z. ANTAS paulo.antas@ioc.fiocruz.br	In vitro BCG vaccine infection of human nuclear cells	10 months	YES	immediate	NO
Fiocruz – Rio de Janeiro	15	Laboratoire de virologie moléculaire	Vanessa SALETE DE PAULA vdepaula@ioc.fiocruz.br vdepaula.fiocruz@gmail.com	Caractérisation du virus de l'herpès et traitement par CRISPRCas9 Le projet vise à diagnostiquer, séquencer et traiter les virus de la famille des Herpesviridae.	6 mois	Expérience en biologie moléculaire et virologie	juillet	Non
Fiocruz - Rio de Janeiro	16	Medicinal Chemistry	Marcus VINICIUS NORA DE SOUZA mvnandesouza@gmail.com	Synthesis and biological evaluation of mefloquine derivatives	3-10 months	Not necessary could be a graduation student, master, PhD or pos doc	Flexible schedule	No availability
Fiocruz – Rio de Janeiro	17	TEC4BIO - Laboratoire de Technologie pour la Biodiversité en Santé. LaQMed Groupe - Laboratoire de Chimie Médicinale des Produits Naturels.	Simone Sacramento VALVERDE simone.valverde@far.fiocruz.br	Production et Qualification substances actives pour la standardisation des extraits. A partir de plantes medicinales de biodiversité brésilienne pour le développement de médicaments et de médicaments à activité potentielle pour le traitement et le contrôle de la leishmaniose et de l'esquitosomose - Projet d'identification dans le domaine de la recherche sur le développement technologique des phytothérapies et des phytomédicaments	3 à 10 mois	Étudiants de premier cycle ou des cycles supérieurs en pharmacie ou en chimie	Aout 2020	Hébergement sur le campus pour environ 760,00 USD par mois, jusqu'à 45 jours. Hébergement hors campus: il n'y a pas.
Fiocruz- Rio de Janeiro	18	Laboratory of Cardiovascular Investigation	Frederico Rogério FERREIRA frederico.ferreira@ioc.fiocruz.br Or fredericofr@gmail.com	Study of enteric microbiota influences on development of Central Nervous System and susceptibility to psychiatric disorders Our group is focused on the environmental factors that may influence the enteric microbiota with consequences to the development of Central Nervous System during the gestation up to adult life	3 months to 6 months.	Undergraduate student in Biomedical or correlate (Biological Science, Pharmacy, Medicine, or Biomedical) or M. Sc. and Ph.D. Student in the Biomedical field or correlate field.	May to June of 2020.	no

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Fiocruz – Rio de Janeiro	19	Instituto de Comunicação e Informação Científica e Tecnológica em Saúde (ICICT), Climate and Health Observatory	Christovam BARCELLOS (christovam.barcellos@ici.ct.fiocruz.br)	Relationship between environmental variables and the spatio-temporal distribution of dengue cases in the urban area of Rio de Janeiro, Brazil	3 months	Master 2 in Health geography – Public Health – Geomatics – Remote Sensing	October 1 st 2020	Depending on availability, possibility of accommodation on the site of the Centro de Referência Professor Hélio Fraga, Jacarepaguá, Rio de Janeiro
Fiocruz – Rio de Janeiro	20	Instituto de Comunicação e Informação Científica e Tecnológica em Saúde (ICICT), Climate and Health Observatory	Christovam BARCELLOS (christovam.barcellos@ici.ct.fiocruz.br)	Comparative environmental characterization of transmission risk areas of Dengue and Leptospirosis in the state of Espirito Santo, Brazil	3 months	Master 2/engineer Health geography – Public Health – Geomatics – Remote Sensing	October 1 st 2020	Depending on availability, possibility of accommodation on the site of the Centro de Referência Professor Hélio Fraga, Jacarepaguá, Rio de Janeiro
Fiocruz - Bahia	21	Knowledge Management and Prospecting in Health http://dgp.cnpq.br/dgp/espelhogrupo/9910405059020695	Prof. Dr. Jorge MAGALHÃES jorge.magalhaes@far.fiocruz.br	The internship will permeate studies linked to the pursuit of scientific and technological competences. Bibliometric studies through Big Data in Health. Using identification, extraction and mining of data. For example, in sciplattes and patent2net. One basis for scientific data and the other for patent data. In this way, obtain essential information for decision makers in the area of public health.	3, 6, 9 mois	Graduates or postgraduates in the area of chemistry, pharmacy, information science or engineering	Second half of 2020 onwards	Not. Maybe, checking availability on pro-rectory (CGed, VPEIC-FIOCRZ)

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Fiocruz - Bahia	22	Laboratory of Host-Pathogen Interaction and Epidemiology	Patrícia S T Veras patricia.veras@fiocruz.br	Clinical studies to evaluate the in vivo effect of the INH2 agent for the complementary treatment of tegumentary leishmaniasis. In a preclinical end-stage study, we have shown that INH2, a Heat Shock Protein (HSP) 90 inhibitor, known to have better pharmacokinetic properties than 17-AAG, showed intense reduction of lesion size and parasite load in lesions, as well as in draining lymph nodes of BALB / c mice infected by <i>L. braziliensis</i> . Based on these pre-clinical trials and those from the literature using dogs and rats, we aimed to finalize the pre-clinical efficacy trial in mice and, in the next step, to assess in a phase 1 trial the safety and toxicity of this compound in topical formulation to, in the near future, carry out tests of effectiveness of this formulation in patients with leishmaniasis. Our hypothesis is that the safety and toxicity of topical INH2 in combination with Glucantime® (meglumine antimoniate) applied in patients with cutaneous leishmaniasis is superior to the current treatment with Glucantime® in motherapy.	3- 6 months	Master	September 2020	It is not available
Fiocruz - Bahia	23	Knowledge Management and Prospecting in Health http://dgp.cnpq.br/dgp/espelhogrupo/9910405059020695	Prof. Dr. Jorge MAGALHÃES jorge.magalhaes@far.fiocruz.br	Bibliometric studies through Big Data in Health. Using identification, extraction and mining of data. For example, in scripplattes and patent2net. One basis for scientific data and the other for patent data. In this way, obtain essential information for decision makers in the area of public health.	3, 6, 9 months	Graduates or postgraduates in the area of chemistry, pharmacy, information science or engineering	Second half of 2020 onwards	No Maybe, checking availability on pro-rectory (CGed, VPEIC-FIOCRZ)

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Fiocruz - Brasilia	24	Center for Bioethics and Diplomacy Studies in Health (Nethis) of Oswaldo Cruz Foundation in Brasília, Brazil	José Paranaguá de Santana nethis@fiocruz.br Roberta de Freitas Campos roberta.freitas@fiocruz.br	Observatory for International Regulation of Risk Factors Associated with Non-communicable Chronic Diseases This internship includes: a) Mapping and analysis of national public policies for regulation of Non-communicable Chronic Diseases associated products (alcohol, tobacco, agrochemicals and ultraprocessed food) in France; b) Verification and analysis of the dynamics of the internalisation of multilateral international agreements in France's internal policy.	6-10 months	Bachelors degree or Master in Public Health, International Relations, Law or related fields; Working knowledge of English. Desirable knowledge of Portuguese	immediate	Not available
Fiocruz - Minas	25	Biosystems Informatics Group	Laila ALVES NAHUM laila@minas.fiocruz.br laila@nahum.com.br	Phylogenetics and Evolution of Genes and Proteins from Parasites that Cause Neglected Diseases. This multidisciplinary project involves experimental (molecular biology) and computational (bioinformatics) approaches.	Up to 10 months	Graduate students Background in Biological Sciences, Health Sciences, or Computational Sciences. Previous experience with phylogenetics is a plus (but not mandatory).	Anytime	Not available Accommodations available near the Institute
Fiocruz-Minas	26	Imunopatologia – Instituto René Rachou	Roney S. Coimbra roney.s.coimbra@minas.fiocruz.br	Épigénétique et neurodégénérescence associées aux infections du système nerveux central.	6 mois	Biologiste ayant de préférence une expérience en biologie moléculaire, en culture cellulaire et en méthodes immunologiques.	negociable	non

Institut	N°	Labo/Service d'accueil	Responsable (nom, e-mail)	Thématique	Durée	Formation initiale	Date d'arrivée souhaitée	Hébergement sur le campus et coût
Fiocruz-Minas	27	Cancer and Infectious Diseases Laboratory	Rafaella FORTINI GRENFELL E QUEIROZ PharmD MS PhD rafaella@minas.fiocruz.br	Cancer and infectious diseases (especially schistosomiasis, but we can work with others) studies. The internship may include: a) Production of recombinant proteins by Gateway or usual methodologies, b) Production and application of monoclonal antibodies as new tools for diagnosis and immunotherapies, c) Schistosomiasis endemic field trips for direct interventions with patients, d) Use of cancer biopsy samples from biorepository, e) Standardization of new diagnosis and prognosis immunological methods	3-10 months	Under graduation, Masters' or PhD scholars Working knowledge of English or Portuguese	Open, all times	Not available
Oswaldo Cruz Foundation in Pernambuco	28	Laboratory of Immunogenetics, Department of Immunology, Fiocruz-PE	Norma LUCENA CAVALCANTI Licinio DA SILVA, norma.lucena@hotmail.com or nlucena@cpqam.fiocruz.br	Contribution of genetic variants to a therapeutic failure in childhood leukemia and prospecting for antitumoral activity of new natural or synthetic compounds. In this project, the student can choose to work with cytotoxicity tests for new compounds in leukemic cell lines or other; or they can choose to work on the typing of genes related to the response to treatment and immune response, aiming to identify markers associated with the risk of therapeutic failure.	6 months	Yes. Graduated or Master student with molecular biology experience (PCR amplification) or experience in culture cell	August	No on-campus accommodation. Close by may be available rooms without breakfast in student-sharing house at R\$600 per month.
FIOCRUZ Rondônia	29	Cellular Immunology Applied to Healthy Laboratory -	Juliana PAVAN ZULIANI (zuliani.juliana@gmail.com); juliana.zuliani@fiocruz.br On line CV: http://lattes.cnpq.br/9093880214338747	Biotechnological tools for prospecting animal toxins: in silico, in vitro and in vivo. Emphasis: Pro-inflammatory mechanisms induced by toxins and snake venoms -	3 - 10 months	Yes. Doctoral or Master in Biomedical Sciences, Public Health, International Relations or related fields; Working knowledge of	May 2020	No. We provide accommodation in Brazilian students home.

						English or Portuguese		
--	--	--	--	--	--	--------------------------	--	--