

BOURSES FONDATION PIERRE LEDOUX – JEUNESSE INTERNATIONALE
42^{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	Immunology Unit	Tineke CANTAERT tcantaert@pasteur-kh.org	Investigation of host immune responses to dengue virus infection. Dengue is the most common mosquito born viral infection affecting half of the world population. Infection can result in asymptomatic infection or life threatening disease. We aim to understand the immunopathogenesis of dengue disease. Please see also https://www.pasteur-kh.org/immunology-unit/immunology-unit-projects/adaptive-immune-responses-in-dengue-infection/	6 months	Master in Infectiology or Biological Sciences Candidat à identifier	Between 01/2021 and 06/2021	Yes, 200 USD
Institut Pasteur du Cambodge	2	Unité d'Epidémiologie	Patrice PIOLA ppiola@pasteur-kh.org	La résistance aux antibiotiques à l'interface Homme/Animal/Environnement dans une démarche « une seule santé » au Cambodge : ARCAHE FSPI -AMR 2020-2021, financé par MEAE	6 mois	Master spécialisé Epidémiologie (Pasteur/CNAM) Candidate pré-identifiée Aurore Moussiegt	01/05/2021	Oui, 200 USD

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Institut Pasteur du Cambodge	3	Unité d'Epidémiologie Moléculaire du Paludisme	Jean POPOVICI, jpopovici@pasteur-kh.org	Interactions récepteurs-ligands impliqués dans l'invasion des réticulocytes par Plasmodium vivax Projet en cours /	6 mois	Master d'infectiologie Univ Paris Saclay ou équivalent Candidat à identifier	De janvier 2021 à Juin 2021	Oui / 200 US\$/mois
Institut Pasteur de Guinée	4	Unité de Virologie	Solène GRAYO grayo.solene@orange.fr	Rôle de la faune domestique dans la transmission des fièvres hémorragiques virales en Guinée	6 mois	M2 Virologie (Université Paris)	janvier 2021	Non
Institut Pasteur de Côte d'Ivoire	5	Plateforme de Biologie moléculaire, Institut Pasteur de Cote d'Ivoire, Abidjan	Pr Solange KAKOU-NGAZOA ; ngazoa_solange@yahoo.fr	Biodiversity of phages isolated from different sources	6 mois	Master 1/2	Janvier-septembre 2021	Non/ 300 Euros
Institut Pasteur de Côte d'Ivoire	6	Plateforme de Biologie moléculaire, Institut Pasteur de Cote d'Ivoire, Abidjan	Pr Solange KAKOU-NGAZOA ; ngazoa_solange@yahoo.fr	Biodiversity of mycobacteria isolated from water and soils in Cote d'Ivoire	6 mois	Master 1/2	Janvier-septembre 2021	Non/ 300 Euros
Institut Pasteur de Côte d'Ivoire	7	Plateforme de Biologie moléculaire, Institut Pasteur de Cote d'Ivoire, Abidjan	Pr Solange KAKOU-NGAZOA ; ngazoa_solange@yahoo.fr	Applications of phages against plant diseases in tomatoes.	6-12 mois	Master 2	En tout temps 2021	Non/ 300 Euros
Institut Pasteur de Côte d'Ivoire	8	Plateforme de Biologie moléculaire, Institut Pasteur de Cote d'Ivoire, Abidjan	Pr Solange KAKOU-NGAZOA ; ngazoa_solange@yahoo.fr	Evaluation of LAMP-PCR for detection of SarsCov-2 using salivary samples in Cote d'Ivoire.	6-12 mois	Master 2	En tout temps 2021	Non/ 300 Euros

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Institut Pasteur de Nouvelle Calédonie	9	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. Ce stage s'inscrit dans ce projet et s'intéressera plus particulièrement à l'évolution génétique du virus de la dengue, ainsi que les conséquences de cette évolution sur l'efficacité de la stratégie <i>Wolbachia</i> actuellement déployée en NC. L'efficacité de la stratégie sera évaluée notamment par des expériences de compétence vectorielle. Ces mesures seront réalisées grâce à des repas sanguins déportés. Le sang d'un patient infecté par le virus de la dengue sera employé pour nourrir des moustiques porteurs de <i>Wolbachia</i> et la capacité de ces moustiques à transmettre le virus de la dengue sera mesurée.	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.
Fiocruz – Rio de Janeiro	10	Laboratory of Structural Biology	Daniel ADESSE, PhD. Associate Researcher adesse@ioc.fiocruz.br	Experimental Neuro-toxoplasmosis The project focuses on the alterations in the mouse brain and skeletal muscle 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 and muscle cells; use <i>in vitro</i> and <i>in vivo</i> mouse models of infection, that have great relevance to human disease. Other techniques will include immunocytochemistry, confocal microscopy, western blotting and quantitative RT-PCR. This project is part of the Fiocruz-Pasteur-USP cooperation (Pasteur Lille – Prof. Mathieu Gissot).	3-10 months	Masters/PhD in Cellular or Molecular Biology Or Biology background minimal laboratory experience		On-campus accommodation for approximately US\$700.00 per month, for up to 45 days. Off-campus accommodation at no cost, upon availability.

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Fiocruz	11	NATS/ENSP/Fiocruz (Health Technology Assessment /ENSP/Fiocruz)	Claudia CRISTINA DE AGUIAR PEREIRA, cpereira@ensp.fiocruz.br pereirac.claudia@gmail.com	Health technology assessment in infectious diseases, Chagas disease and others (evidence synthesis and cost-effectiveness analysis). Also health system data about Covid-19 mortality and burden in Brazil.	Three to ten months	Undegraduate degree in Life Sciences or Engineering, Statistics or Economics (completed or ongoing) OR Postgraduate degree in Economics, Life Sciences or Engineering		Available at Casa Amarela, Fiocruz Small fee Outside campus, downtown: approximately 300-500 euros per month.
Fiocruz – Rio de Janeiro	12	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 Pernambuco	13	GESB: Grupo de Estudos em Saúde Bucal (Research Group on Oral Health)	Rafael DA SILVEIRA MOREIRA (rafael.moreira@fiocruz.br)	Research in public data bank, with execution of statistical analysis in various fields of epidemiology, and not only in oral health, including geoprocessing and multilevel analysis.	3 to 10 months	Knowledge and experience in statistical analysis and epidemiology	2021	no
Fiocruz - Rio de Janeiro	14	Protein and Peptides Laboratory, Center of Technological Development in Healthy, Rio de Janeiro.	Salvatore Giovanni DE SIMIONE	Viral Epitomas: specificity and cross-reactivity aiming at the development of more specific diagnostic tests	10 months	Yes	03/2021	Can be evaluated/

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Fiocruz- Rio de Janeiro	15	Viral Hepatitis Laboratory, Oswaldo Cruz Foundation	Livia Melo VILLAR, lvillar@ioc.fiocruz.br ; liviafiocruz@gmail.com	Viral Hepatitis: Molecular epidemiology and innovation in diagnosis methods. This internship intends to increase the knowledge about molecular epidemiology of viral hepatitis and to know about new methods for diagnosis of hepatitis in saliva and other alternative samples.	6 to 10 months	Biologist or similar degree with previous experience in molecular biology techniques, such as, PCR and nucleotide sequencing.	03/2021	Accommodation available on Jacarepagua without costs.
Fiocruz – Paraná	16	Laboratory for Applied Science and Technology in Health (LaCTAS) Instituto Carlos Chagas	Alexandre DIAS T. COSTA, alexandre.costa@fiocruz.br	Development of a multiplexed triage test for newborns. The student will work to establish the reactions to detect the diseases triaged by the Brazilian neonatal triage test (aka “foot test”) in the lab. Some reactions are PCR-based while others are immunologic-based, and the student will have to navigate through both techniques (PCR and ELISA). The student will then ‘transfer’ and perform the reactions on a portable electrowetting platform.	6-10 months	Graduate or Master degree in Biology (or related areas) with strong knowledge of either PCR or ELISA	22/Feb/2021 (negotiable)	Not available
Fiocruz	17	Laboratoire Avancé de Santé Publique	Fred Luciano Neves SANTOS fred.santos@bahia.fiocruz.br	Utilisation des antigènes chimériques de <i>Trypanosoma cruzi</i> pour le dépistage sérologique de la maladie de Chagas chez être humaine ou les chiens. Il s’agit de l’évaluation des antigènes chimériques comme matrice antigénique dans les testes sérologiques pour la détection d'anticorps IgG anti- <i>T. cruzi</i> dans des échantillons de sang humain ou des chiens.	8-10 mois	Master Pharmacie ou Biologie	Juillet/août	non

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Fiocruz - Bahia	18	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 scriptlattes 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)
Fiocruz - Bahia	19	Environmental Health Area, Fiocruz Atlantic Forest Development Program	Ricardo Moratelli Mendonça DA ROCHA, ricardo.moratelli@fiocruz.br	Biodiversity, Environment and Health	3–10 months	Undergraduate students of Biological Sciences or Veterinary Medicine.	April, 2021	Accommodations are available at Centro de Referência Professor Hélio Fraga, about 15 minutes away from Fiocruz Atlantic Forest Campus (https://apgfiocruz.wordpress.com/portfolio/alojamento-helio-fraga/)

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Fiocruz - Brasilia	20	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	International Regulation of Risk Factors Associated with Non-communicable Chronic Diseases (NCD) This internship includes: a) Mapping and analysis of national public policies for regulation of products (alcohol, tobacco, agrochemicals and ultra-processed food) associated with NCD in France; b) Verification and analysis of the dynamics in the internalization of multilateral international agreements on regulation of the above mentioned products in France's policies.	6-10 months	Bachelor's degree or Master in Public Health, International Relations, Law or related fields; Working knowledge of English. Desirable knowledge of Portuguese	Immediate	Not available
Fiocruz - Brasilia	21	Center for Bioethics and Diplomacy Studies in Health (Nethis) of Oswaldo Cruz Foundation in Brasília, Brazil and Center for Health Law (CEPEDISA), University of Sao Paulo	José Paranaguá DE SANTANA nethis@fiocruz.br Fernando AITH fernando.aith@usp.br Felix RIGOLI Felix.Rigoli@alumni.usp.br	Artificial Intelligence (AI) and Health Systems in the Public sector. This internship includes: a) Reviewing and comparing public implementation of AI-driven systems applied to health; b) Scanning new methodologies to test the suitability and real-world effects of health AI applications; c) Analysis of legal instruments for government use in the design and tendering of AI for health; d) Comparisons with European and French law regarding use of data processing for health systems (privacy; code of ethics; algorithms and inequalities in health applications).	6-10 months	Bachelor's degree or Master in Public Health, Administrative Law, Data science applied to Health or related fields; Working knowledge of English. Desirable knowledge of Portuguese or Spanish	Immediate	Not available

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Fiocruz - Brasilia	22	Center for Bioethics and Diplomacy Studies in Health (Nethis) of Oswaldo Cruz Foundation in Brasília, Brazil	José Paranaguá DE SANTANA nethis@fiocruz.br Gerson PENNA gerson.penna@fiocruz.br	Neglected Diseases This internship includes: <ul style="list-style-type: none"> • Review, selection and dissemination of investigations/studies on neglected diseases in the context of international relations/ cooperation; • Support on conducting courses, seminars and forums; cooperation with national and international academic, governmental and civil society entities on the above mentioned issues. • 	6-10 months	Bachelor's degree or Master in Public Health, International Relations or related fields; Working knowledge of English. Desirable knowledge of Portuguese	Immediate	Not available
Rene Rachou Institute Fiocruz	23	Diagnosis and Immunotherapy of Infectious Diseases and Cancer	Rafaella FORTINI GRENFELL E QUEIROZ. PharmD MS PhD Rafaella.queiroz@fiocruz.br	The intention of this internship is to work in current projects, including <ol style="list-style-type: none"> 1. Cancer (acute leukemia, osteosarcoma) or, 2. Infectious diseases (Covid-19) The internship may include: a) Production and application of monoclonal antibodies as tools for diagnosis of Covid-19 and immunotherapies of cancer, b) development of liquid biopsy for cancer, c) in vitro assays with monoclonal antibodies and cells	4-10 months	Under graduation, Masters' or PhD scholars Working knowledge of English or Portuguese	Open, all times. Preferably, from March/2021	Not available
Fiocruz –Belo Horizonte	24	Biotechnology Applied to Pathogens	Rubens Lima DO MONTE NETO, rubens.monte@fiocruz.br	Our lab is focused on molecular and cellular parasitology working mainly on drug discovery, drug resistance, vaccine development and diagnosis tools to tackle leishmaniasis. We developed the OmniLAMP, a PoC portable device for pathogens diagnostics based on isothermal DNA amplification (LAMP). Recently we adapt this solution for the SARS-CoV-2 diagnosis.	6 months to 1 year	Undergrade students (after the basic cycle), MSc and superior	Immediately	There is no accommodation at IRR/Fiocruz Minas

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Fiocruz - Rondônia	25	Cellular Immunology Applied to Healthy Laboratory -	<p>Juliana PAVAN ZULIANI (zuliani.juliana@gmail.com; juliana.zuliani@fiocruz.br)</p> <p>On line CV: http://lattes.cnpq.br/9093880214338747</p>	<p>Biotechnological tools for prospecting animal toxins: in silico, in vitro and in vivo.</p> <p>Emphasis: Pro-inflammatory mechanisms induced by toxins and snake venoms -</p>	3 - 10 months	Yes. Doctoral or Master in Biomedical Sciences, Public Health, International Relations or related fields; Working knowledge of English or Portuguese	May	<p>No.</p> <p>We provide accommodation in Brazilian students home.</p>