

BOURSES FONDATION PIERRE LEDOUX – JEUNESSE INTERNATIONALE
44^{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 Institut Pasteur du Cambodge in Cambodia	Pean Polidy/Daniel Scott Algara polidy@pasteur-kh.org <a href="mailto:Daniel.scott-
algara@pasteur.fr">Daniel.scott- algara@pasteur.fr	Title : A set of plasmatic miRNA as predictive biomarkers of IRIS in HIV TB co-infected patients Description : We propose a test of a set of plasma circulating miRNA in order to predict the onset of IRIS (Immune Reconstitution Inflammatory Syndrome) in the patients having HIV/TB co-infection. The development of a test for the presumption of IRIS may have important clinical consequences both for the follow-up of patients and for the implementation of treatments (corticosteroids) to prevent or alleviate the occurrence of the syndrome.	3 Months	M1 Saclay Biologie Santé parcours plateforme Physiologie et Physiopathologi e	April 2022	Possible
Institut Pasteur du Cambodge	2	Epidemiology and Public Health Unit Clinical Research Group	Dr Laurence BORAND lborand@pasteur-kh.org	Assessment of postpartum treatment eligibility in HBV infected women included in the TA PROHM – ANRS 12345 study	6 months	Physician/ student in Master degree	18/04/2022	NA
Institut Pasteur du Cambodge	3	Epidemiology and Public Health Unit Clinical Research Group	Dr Laurence BORAND lborand@pasteur-kh.org	HBeAg seroconversion after TDF cessation among HBeAg positive TDF-treated pregnant women included in the TA PROHM – ANRS 12345 study	6 months	Physician/ student in Master degree	18/04/2022	NA

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Institut Pasteur de Corée	4	Viral Immunology Lab	Dr EUI Ho KIM Euiho.kim@ip-korea.org	Assessment of vaccine induced immune responses Halping vaccine study in a mouse model and developping an immunity-assessing tool	20/06/2022-16/09/2022		20/06/2022	Available 150,000 KRW/month
Institut Pasteur de Dakar	5	Pole d'épidémiologie, recherche clinique et science des données	Dr Aliou BARRY E-mail : abarry@pasteur.sn drbaryaliou@gmail.com	Étude des modifications des schémas épidémiologiques habituels de la Grippe, du Paludisme & des Arboviroses dans le contexte de l'épidémie de COVID 19 à travers le Réseau de Surveillance Sentinelle Syndromique au Sénégal (Réseau 4S)	5 mois	Master 2	06/06/2021	Non
Institut Pasteur de Madagascar	6	Unité de Mycobactéries	Niaina RAKOTOSAMIMANANA, niaina@pasteur.mg	Implémentation du Séquençage du Génome Complet de la Tuberculose pour le Contrôle de la Maladie à Madagascar à partir d'un Essai Randomisé Contrôlé en Grappe pour Évaluer Différentes Stratégies d'Intervention à l'Échelle Communautaire	1 mois	Master. Candidate identifiée (en la personne de Mme Floriane POINT)	Avril 2022	Oui/150€
Institut Pasteur de Madagascar	7	Unité d'Entomologie Médicale	Diego AYALA Diego.ayala@pasteur.fr	Impact of protected areas in malaria in Madagascar. We will monitor malaria transmission (entomological) in areas surrounding two natural areas: Ranomafana National Park and Kianjavato Forest in the district of Ifanadina, where rural populations suffer from high malaria transmission.	10 mois	Evolutionary biology, Biology Medical entomology	Septembre 2022	Oui/150€

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Institut Pasteur de Nouvelle Calédonie	8	Groupe Immunité et Inflammation (GIMIN)	Mariko MATSUI mmatsui@pasteur.nc	<p>Relations structure-activité (SAR) dans les mécanismes anti-inflammatoires d'analogues de flavonoïdes</p> <p>L'objectif sera d'évaluer le potentiel anti-inflammatoire d'analogues de flavonoïdes naturels afin de comprendre leurs mécanismes d'action. Les techniques employées seront la culture cellulaire (macrophages), l'induction <i>in vitro</i> (LPS), l'analyse de la cytotoxicité (LDH) et la quantification de marqueurs inflammatoires (Griess, ELISA).</p>	6-8 mois	Niveau Master 2	Août-Septembre 2022 – peut-être décalé	Non disponible / Compter 600€ / mois pour un studio ou une colocation
Oswaldo Cruz Institute – Rio de Janeiro	9	Laboratory of Structural Biology	Daniel ADESSE, PhD. Associate Researcher adesse@ioc.fiocruz.br	<p>Our team studies the neuropathological effects induced by infection with the parasites <i>Toxoplasma gondii</i> and SARSCoV-2.</p> <p>Students will have the opportunity to work with cell culture and animal models of infection with special focus to the Blood-Brain Barrier and the perivascular niche of neural progenitor cells. Other techniques will include immunocytochemistry and confocal microscopy, western blotting and quantitative RT-PCR.</p>	3-12 months	Yes		On-campus accommodation available for approximately US\$760.00 per month, for up to 45 days. Off-campus accommodation also at no cost, upon availability.

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Oswaldo Cruz Institute – Brasilia	10	Center for Bioethics and Diplomacy Studies in Health (Nethis) of Oswaldo Cruz Foundation in Brasilia, 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; Verification and analysis of the dynamics in the internalization of multilateral international agreements on regulation of the above mentioned products in France's policies.	4-10 months	Bachelor's degree or Master in Public Health, International Relations, Law or related fields; Working knowledge of English. Desirable knowledge of Portuguese or Spanish	August 2022	Not available
Oswaldo Cruz Institute – Brasilia	11	Center for Bioethics and Diplomacy Studies in Health (Nethis) of Oswaldo Cruz Foundation in Brasilia, 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; Comparisons with European and French law regarding use of data processing for health systems (privacy; code of ethics; algorithms and inequalities in health applications).	4-10 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	August 2022	Not available

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Oswaldo Cruz Institute – Brasilia	12	Center for Bioethics and Diplomacy Studies in Health (Nethis) of Oswaldo Cruz Foundation in Brasilia, Brazil	José Paranaguá de Santana nethis@fiocruz.br Gerson Penna gerson.penna@fiocruz.br	Neglected Diseases This internship includes: • 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.	4-10 months	Bachelor's degree or Master in Public Health, International Relations or related fields; Working knowledge of English. Desirable knowledge of Portuguese	August 2022	Not available
Oswaldo Cruz Institute –Rio de Janeiro	13	Cellular Microbiology Lab	Leticia Miranda LERY Santos leticia.lery@ioc.fiocruz.br	Antimicrobial resistance Multiple antimicrobial-resistant bacterial infections concern public health systems, as therapeutic options are limited. The resistance mechanisms are diverse and generally encoded in mobile genetic elements - which are quickly disseminated among bacteria. The selected student will work on the genotypic and phenotypic characterization of virulence of MDR <i>K. pneumoniae</i> environmental and clinical isolates.	3 months	Students or professionals in biology or related areas. Experience in microbiology and/or molecular biology is a plus.	July, 2022	Casa Amarela Availability and prices to check at: http://www.sch.fiocruz.br/reserva/

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Oswaldo Cruz Institute – Rio de Janeiro	14	Scientific computation Program (PROCC)	Paulo Ricardo Batista pbatista@fiocruz.br	Integrative structural biology Proteins are involved in all vital functions, participating in physiological and pathological processes.. Our group recently developed hybrid simulation approaches that allow one to explore protein dynamics using computational methods (such as molecular dynamics and normal modes). The studied targets are involved in several pathologic processes, including infectious diseases caused by multiple-antibiotic resistant bacteria and Sars-Cov-2. Data obtained will be used in the future to develop new therapeutic approaches for treating these diseases. During the traineeship, the student will have the opportunity to learn, develop and perform computational simulations to study protein	9 months	Students or professionals in computation or biology. Background in bioinformatics or programming is required.	July, 2022	Casa Amarela Availability and prices to check at: http://www.sch.fiocruz.br/reserva/
Oswaldo Cruz Institute - Pernambuco	15	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	2022	No
Oswaldo Cruz Institute – Rio de Janeiro	16	Laboratório de Desenvolvimento e Validação Analítica (Analytical Development and Validation Laboratory)	Camila Areias de Oliveira camila.areias@fiocruz.br	Analytical development in a quality by design environment	10 months	http://lattes.cnpq.br/9818222501822316	06/22	Not available

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Oswaldo Cruz Institute - Rio de Janeiro	17	Drug Synthesis Laboratory	Núbia Boechat, nubia.boechat@far.fiocr uz.br , nboechat@gmail.com .	Carrying out research and development of drugs and bioactive compounds for neglected diseases, AIDS and cancer; Collaborating with the improvement of the industrial processes of Farmanguinhos; Producing the University-Company interaction.	3 to 10 months	degrees in Chemistry, Chemical Engineering or Pharmacy. experience in Medicinal Chemistry, emphasising Organic Synthesis and Molecular Modeling, which is applied to	July 2022	No on-campus accommodation is available.
Oswaldo Cruz Institute – Rio de Janeiro	18	Diagnostic coordination of Pathological Anatomy and Cytopathology.	Cecilia Vianna de Andrade (cecilia.andrade@iff.fiocr uz.br)	Internship on fetal and placental pathology. The intern will follow the diagnostic routine (macroscopy and microscopy of surgical specimens and biopsy, immunohistochemistry, fetal necropsy, anatomo-clinical sessions)	3 months		Between April 2022 and November 2022	No accommodation on campus
Oswaldo Cruz Institute – Rio de Janeiro	19	Laboratório de Mosquitos Transmissores de Hematozoários (LATHEMA)	Márcio Galvão Pavan – mgpavan@ioc.fiocruz.br Mariana Rocha David – maridavid@ioc.fiocruz.br	Our current focus is understanding the tripartite interaction of Aedes mosquitoes, arbovirus (such as dengue, chikungunya and Zika) and microbiota, and to improve surveillance and vector control through molecular methods. The team is located in Rio de Janeiro, a relevant site for arbovirus transmission in the world, which makes suitable to combine field work to laboratory and genomic data.	3-12 months	Undergraduate student in Biology, Medicine, or Veterinary) or M. Sc. and Ph.D. Student in the Biomedical field with basic knowledge in Parasitology.	Between March and November 2022	On-campus accommodation available for approximately US\$ 760.00 per month, for up to 45 days. Off-campus accommodation also at no cost, upon availability.

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Oswaldo Cruz Institute – Rio de Janeiro	20	Département d'Administration et Planification en Santé de l'École Nationale de Santé Publique « Sérgio Arouca »	Eduardo Alves Melo eduardo.melo@ensp.fiocruz.br	Politique, Gestion et Soins en Santé , avec attention particulière aux Soins Primaires, dans le contexte du système public de santé du Brésil (le SUS), de la santé collective et de la formation et recherche en santé publique	3 mois	Médecine, infirmière, psychologie, santé publique, sciences sociales	Septembre 2022	Non (600 euros pour loyer)
Oswaldo Cruz Institute – Rio de Janeiro	21	Laboratoire de Pharmacotechnique Expérimentale	Janine BONIATTI janine.boniatti@far.fiocruz.br	Impression 3D de médicaments pédiatriques personnalisés pour les maladies négligées	10 mois	Pharmacien, Ingénierie pharmaceutique	Août/2022	Non
Oswaldo Cruz Institute – Rio de Janeiro	22	Laboratoire de recherche sur le paludisme	MARIA DE FATIMA FERREIRA DA CRUZ mffcruz@ioc.fiocruz.br	Surveillance des mutations associées à la chimiorésistance antipaludique	10 MOIS	MSc	APRES MAI 2022	NON
Oswaldo Cruz Institute – Rio de Janeiro	23	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.	2022	Accommodations are available at Centro de Referência Professor Hélio Fraga, about 15 minutes away from Fiocruz Atlantic Forest Campus (https://apgfio.cruz.wordpress.com/port) folio/alojamento/helio-fraga/

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Oswaldo Cruz Institute - Brasilia	24	Secretaria Executiva da UNA-SUS	Kellen Cristina da Silva Gasque kellen.gasque@fiocruz.br	<p>Department Description: The Executive Secretariat's mission is to provide vital support to the activities of the UNA-SUS, which is a network of 35 universities, responsible for the production of free courses and resources in Health, mainly for the Brazilian public system compounds but not restricted to them. There are almost 6 million enrollments in more than a thousand educational offers, reaching all Brazilian municipalities.</p> <p>Position Description: As an intern in Continuing Education in Health, you will have access to the UNA-SUS databases, which will allow you to analyze the profiles of students, whether graduating or dropping out. Based on these data, it will be possible to build instruments to investigate the needs of continuing education of Brazilian health workers.</p> <p>You will be able to contribute to the evaluation of courses offered on priority health topics, such as infectious diseases (prevention, clinical management and complications), health of specific groups (disabled, elderly, children, women), among others. In addition to your direct supervisor, you will have the opportunity to work with managers of the Universities participants of the UNA-SUS and with other managers of the Executive Secretariat.</p>	10 months	<ul style="list-style-type: none"> • Must be currently enrolled or be graduate in medicine, nursing, dentistry, biology, or physical therapy. • Proficient in English • Be comfortable using the Office tools (word, excel, powerpoint). • Basic Knowledge of biostatistics is desirable. • Knowledge of databases is a plus. • It would be great if you have prior Knowledge of continuing education in health <p>Besides these, other abilities and skills:</p> <ul style="list-style-type: none"> • Hold leadership abilities <p>and</p>	Immediately (but it is negotiable)	A priori, no availability (But, Due to an agreement with the University of Brasília and GEREB, it may be possible to accommodate in student dormitory)

					<p>interpersonal skills</p> <ul style="list-style-type: none">• Be communicative• Must also be able to work effectively in a team environment, and ability to handle multiple tasks with ease.• Empathetic with people from diverse cultures and backgrounds• Ability to work remotely if the need arises.• Meet deadlines is important <p>Work under minor supervision is an asset</p>		
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