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Universidad Peruana Cayetano Heredia

Independent auditor's report on eighty-two (82) Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health - NIH; (ii) Center of Disease Control - CDC; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024

Universidad Peruana Cayetano Heredia

Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health - NIH; (ii) Center of Disease Control - CDC; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities

Independent Auditor's Report

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

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Key:

US\$ = U.S. dollar
S/ = Peruvian sol

Remittance letter and summary

To the members of the University Board of Universidad Peruana Cayetano Heredia

This report contains the results of our audit of the consolidated fund accountability statement of eighty-two (82) research projects funded with United States Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health - NIH; (ii) Center for Control of Health - CDC; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024.

(a) Background

Universidad Peruana Cayetano Heredia

Universidad Peruana Cayetano Heredia (hereinafter, the University) was created under Supreme Decree N° 018 enacted by the Peruvian Government on September 22, 1961. It is an academic and autonomous non-governmental nonprofit institution with legal status under private law, of indefinite duration. Also, the University is authorized to receive bequests and donations for the fulfillment and fulfillment of its purposes. Its purpose is to provide higher education, promote and disseminate scientific research in all fields and professionally prepare students, as well as to promote university extension work; also, its fundamental purpose is to turn people into agents of scientific, technological, social and environmental change based on lifelong education. It provides training to professionals with social and ethical commitment, who provide integral solutions with a solid research base and respect for diversity and the environment, at the undergraduate, graduate, post graduate specialization and continuing education.

The legal address of the University is at Av. Honorio Delgado N° 430 Urbanización Ingeniería, district of San Martín de Porres, Lima, Peru.

The University is governed by Peruvian law, specifically by the New University Law 30220 and its supplemental regulations, standards statutes and directives.

Funding Research Projects

Funding for implementing the Research Projects is provided under contracts with the Universidad Peruana Cayetano Heredia to obtain U.S. federal funds by means of and directly from the following funding institutions: (i) National Institute of Health- NIH; (ii) Centers For Disease Control And Prevention; (iii) Navsup Fleet Logistics Support Center Sigonella and (iv) Health Security Partners - HSP. Funding provided by the National

Remittance letter and summary (continued)

Institute of Health (NIH) is carried out in two ways: Directly (direct contracts) between the University and the National Institute of Health (NIH); and indirectly (subcontracts), via subcontracts by which the National Institutes of Health (NIH) funds U.S. universities, which in turn subcontract the University's research services.

I. Projects that are managed under direct contracts

Below the projects currently effective:

1. National Institutes Of Health - NIH

- Project 1: Addressing hypertension and diabetes through community-engaged systems in Puno, Perú (Andes study)
Amount executed US\$ 1,298,469
- Project 2: 1/2 - Regional geohealth hub centered in Perú
Amount executed US\$ 437,267
- Project 3: Perú infectious diseases epidemiology research training consortium
Amount executed US\$380,982
- Project 4: Training in infectious diseases in Perú - time for implementation research
Amount executed US\$353,242
- Project 5: Research Ethics Training in Latin America (RETAMA)
Amount executed US\$163,239
- Project 6: Genomic epidemiology of campylobacter in poultry to enable the effective control of human campylobacteriosis in a middle-income country
Amount executed US\$147,143
- Project 7: Improving hiv and STI prevention and care for Venezuelan sexual and gender minority migrants in Lima, Peru
Amount executed US\$132,871
- Project 8: A mobile phone short message service intervention to increase retention in HIV (Weltel Perú)
Amount executed US\$128,166
- Project 9: A non-inferiority randomized single blind controlled trial comparing one and two dose regimes of oxfendazole
Amount executed US\$120,623

Remittance letter and summary (continued)

- Project 10: Understanding immune modulation in taenia solium neurocysticercosis by using a novel postoncosphere in vitro model
Amount executed US\$118,353
- Project 11: Isolation and identification of CXCR4 and CXCR7 agonists from traditional phytopharmaceuticals as potential novel drugs for mental disorders
Amount executed US\$105,662
- Project 12: Ensayo clínico controlado, aleatorizado, multicéntrico, de regímenes de dosis única y múltiple de oxfendazole
Amount executed US\$99,212
- Project 13: Program for advanced research capacities for AIDS in Perú (Paracas) harnessing implementation science
Amount executed US\$78,306
- Project 14: Research Training in Integration of Epidemiology and Implementation Science for Neglected Zoonotic Disease Control in Peru
Amount executed US\$58,161
- Project 15: Using burden of treatment as a clinical indicator of barriers to multimorbidity management in Peru: A mixed methods A Mixed Approach
Amount executed US\$28,372
- Project 16: Alternative therapeutic approaches for the control of brain inflammation secondary to antihelminthic therapy in neurocysticercosis using a novel experimental
Amount executed US\$27,415
- Project 17: The effect of strongyloides stercoralis on HTLV-1 disease progression
Amount executed US\$17,833
- Project 18: Planning an MD-MSC combined degree program focused on translational research to build the next generation of Physician-Scientist in Perú
Amount executed US\$13,523
- Project 19: UC Davis multidisciplinary cancer research training program to advance precision cancer prevention and care in Latin America
Amount executed US\$11,937

Remittance letter and summary (continued)

- Project 20: Patient - Centered intervention to prevent tuberculosis among children < 5 years old
Amount executed US\$6,566

2. Centers For Disease Control and Prevention

- Project 21: Project of febrile illness surveillance in the andean and amazon countries (Pisaac)
Amount executed US\$829,743
- Project 22: Improving national knowledge and awareness of fungal infections in Perú
Amount executed US\$197,451

3. Health Security Partners - HSP

- Project 23: Assess and increase bioinformatics knowledge and skills to support capacity for zoonotic disease surveillance in Argentina and Peru
Amount executed US\$39,280
- Project 24: Strengthening regional zoonotic disease detection and reporting by hosting the Regional Zoonotic Disease Detection and Reporting Workshop: Tabletop Exercise & Recommendations
Amount executed US\$23,119

4. Navsup Fleet Logistics Support Center Sigonella

- Project 25: Cooperasalud II: Technical Assistance to Strengthen Post-Pandemic HIV Prevention and Control Capacities in the Peruvian Armed Forces
Amount executed US\$446,419
- Project 26: Cooperasalud: technical support for the consolidation of HIV prevention and control in the Peruvian Armed Forces
Amount executed US\$8,408

II. Projects managed under subcontracts signed with:

1. Duke University

- Project 27: Improving response to Malaria outbreaks in Amazon-basin countries
Amount executed US\$ 66,675

Remittance letter and summary (continued)

2. Emory University

- Project 28: Training - 2/2 Regional geohealth hub centered in Peru-US
Amount executed US\$186,234

3. Harvard T.H. Chan School of Public Health

- Project 29: Rehabilitación de la afasia en Perú: cuidado clínico actual, facilitadores y barreras para alcanzar la mejor práctica clínica.
Amount executed US\$3,339

4. Kephera Diagnostics, LLC

- Project 30: Rapid point-of-care assay for diagnosis of Neurocysticercosis in seizure patients
Amount executed US\$74,792

5. La Jolla Institute For Immunology

- Project 31: Respiratory pathogen-specific T cell signatures following vaccination, natural infection, and treatment
Amount executed US\$116,954
- Project 32: Proteome-wide characterization of T cell epitopes from mycobacterium tuberculosis in vaccination and active infection
Amount executed US\$8,301

6. Oregon Health & Science University

- Project 33: Development and validation of an agent-based model to promote evidence-based control of taenia solium cysticercosis
Amount executed US\$172,864
- Project 34: Implementation of ring strategy for community engaged control of neurocysticercosis
Amount executed US\$171,902
- Project 35: Urine screening for early detection of subarachnoid neurocysticercosis
Amount executed US\$166,180

7. Research Triangle Institute International

- Project 36: Next-generation sequencing diagnostics to identify etiologies of acute undifferentiated fever in the Peruvian Amazon
Amount executed US\$43,549

Remittance letter and summary (continued)

8. Rutgers The State University of New Jersey

- Project 37: Fend for tuberculosis
Amount executed US\$437,773

9. The Administrators of the Tulane Educational Fund (DBA Tulane University)

- Project 38: Diagnostic innovations for pediatric tuberculosis in Bolivia
Amount executed US\$43,448

10. The Board of Trustees of the Leland Stanford Juner University

- Project 39: How land use change transforms the landscape of vector-borne disease
Amount executed US\$19,009

11. The Florida International University Board of Trus

- Project 40: Acceptability, feasibility, and preliminary impact of a web-based, HIV prevention toolkit with cisgender male couples in Lima, Peru
Amount executed US\$42,478

12. The Johns Hopkins University

- Project 41: Using the mycobacterium tuberculosis genome to predict tuberculosis pathology, drug resistance acquisition and identify community transmission
Amount executed US\$179,708
- Project 42: Infectious diseases training program in Bolivia: south - south training with Peru
Amount executed US\$130,213
- Project 43: Research training in chronic, non-communicable respiratory diseases in Peru
Amount executed US\$94,456
- Project 44: Predictors of cardiomyopathy progression in a chagas disease cohort in Bolivia
Amount executed US\$29,164

Remittance letter and summary (continued)

13. The Ohio State University

- Project 45: A sociotechnical systems approach to improve tuberculosis (TB) diagnostics in Peru
Amount executed US\$922

14. The Rector and Visitors of the University of Virginia

- Project 46: Genomic Epidemiology of Campylobacter to Improve Disease Control in Low- and Middle-Income Countries
Amount executed US\$36,067
- Project 47: Enabling infectious disease research capacity in the Peruvian Amazon
Amount executed US\$13,518

15. The Regents of the University of California

- Project 48: South American Program in HIV Prevention Research (SAPHIR)
Amount executed US\$21,939
- Project 49: University of California global health institute program for fellows and scholars
Amount executed US\$8,032

16. The Regents of The University of California, San Francisco

- Project 50: Focal mass drug administration (FMDA) to reduce Plasmodium vivax transmission, a pragmatic cluster randomized controlled trial in Peru
Amount executed US\$535,768
- Project 51: Integración de fotografías con smartphones para evaluación del tracoma, agudeza visual y autorrefracción móvil para mejorar el monitoreo de la salud pública en la comunidad
Amount executed US\$94,717

17. The Research Foundation for Suny, University AT Albany

- Project 52: Application of novel biomarkers to measure health impacts of anthropogenic change in the amazon
Amount executed US\$80,470

Remittance letter and summary (continued)

18. The University of Arizona

- Project 53: Efectos COVID -19 en adolescentes de la región Amazónica de Loreto
Amount executed US\$1,616

19. The University of North Carolina At Chapel Hill

- Project 54: CCASANET: Improving the diagnosis of HIV-associated neurocognitive disorder (hand) in Latin America: A multimodal approach to hand in Peru
Amount executed US\$102,503
- Project 55: An Integrated Approach to Understand and Diagnose Congenital Chagas Disease
Amount executed US\$98,366
- Project 56: UJMT Launch: Training the next generation of leaders in global health research
Amount executed US\$7,864
- Project 57: Long-term mental health symptoms and psychological rehabilitation among Peruvian COVID - 19 survivors
Amount executed US\$5,477

20. University of Alabama At Birmingham

- Project 58: A prospective study of Acute Flaccid Myelitis (AFM) to define natural
Amount executed US\$25,954
- Project 59: Conocimientos, actitudes y exposición frente al virus hepatitis A en estudiantes de medicina de una universidad privada de Lima, Perú
Amount executed US\$15

21. University of California San Diego

- Project 60: Molecular basis of Hypoxia-Induced excessive Erythrocytosis
Amount executed US\$8,057

22. University Of Pennsylvania

- Project 61: Spatially responsive mass vaccination strategies for urban rabies
Amount executed US\$187,690

Remittance letter and summary (continued)

- Project 62: An immune system for the city: a new paradigm for control of urban disease vectors
Amount executed US\$88,954

23. University Of Southern California

- Project 63: Comprender las interacciones huésped-patógeno en pacientes con infección por sífilis
Amount executed US\$97,725
- Project 64: Clinical trial comparing the effectiveness of cefixime versus penicillin G for treatment of early SY
Amount executed US\$24,655
- Project 65: Pilot study of linezolid for early syphilis treatment
Amount executed US\$19,420

24. University Of Texas Health Science Center at San Antonio

- Project 66: Multidisciplinary Training Program on Neuropsychiatry and Behavioral Disorders in First Nations (NEUFIN)
Amount executed US\$71,141

25. University Of Texas Medical Branch

- Project 67: One-health approach to study human *Fasciola hepatica* transmission and inform strategic control
Amount executed US\$220,908
- Project 68: Markers of triclabendazole resistant fasciolosis the highlands of Perú
Amount executed US\$72,026

26. University Of Washington

- Project 69: Integrated next-generation surveillance in global health: translation to action (insight to action)
Amount executed US\$296,581
- Project 70: Discovery & exploration of emerging pathogens - viral zoonoses (DEEP VZN)
Amount executed US\$224,620

Remittance letter and summary (continued)

- Project 71: D43 Chronic Non-communicable CVDS and comorbidities in Peru
Amount executed US\$161,107
- Project 72: Ictus: Interdisciplinary cerebrovascular diseases training program in South America
Amount executed US\$39,776
- Project 73: Population assessment of Alzheimers and related dementias in rural northern Peru
Amount executed US\$17,561

27. Vanderbilt University Medical Center

- Project 74: Prevention Through Vaccination Training (Prevent) Program
Amount executed US\$56,954
- Project 75: Statistical Methods for correlated outcome and covariate errors in studies of HIV/AIDS
Amount executed US\$423
- Project 76: CCASANET 2021-2026, Caribbean, Central and South America Network
Amount executed US\$105,057

28. Yale University

- Project 77: Transmission dynamics of residual malaria in the amazon: defining a roadmap to malaria elimination
Amount executed US\$39,098
- Project 78: Ampliando la caja de herramientas para la prevención de sarcopenia y osteoporosis en peruanos que envejecen con VIH: Un estudio de validación
Amount executed US\$22,157
- Project 79: Spatiotemporal adaptation of anopheles darling in diverse ecological settings
Amount executed US\$14,565
- Project 80: Immunology of asymptomatic malaria and the effects of immunity on plasmodium transmission
Amount executed US\$11,502

Remittance letter and summary (continued)

- Project 81: COPCORD Lima, Perú: Revelando la prevalencia de trastornos musculoesqueléticos y reumáticos en personas que viven con VIH: Un estudio piloto
Amount executed US\$9,336
- Project 82: Core B Data Management
Amount executed US\$41

(b) Objectives of audit

The objectives of the audit of the consolidated and individual fund accountability statement of the Research Projects funded with U.S. federal funds for the period of twelve (12) months from for the period of twelve (12) months from January 1, 2024 to December 31, 2024, were as follows:

- Express an opinion as to whether the consolidated fund accountability statement of the eighty-two (82) research projects present fairly, in all material respects, the costs incurred during the period of twelve (12) months from January 1, 2024 to December 31, 2024, in accordance with the terms of the contracts and subcontracts, as well as GAAP or other comprehensive basis of accounting.
- Evaluate the structure of the internal control system implemented by the University, related to the Research Projects, to obtain a sufficient understanding of the design of control policies and procedures, and whether those policies and procedures have been implemented; as well as, to assess control risk and identify significant deficiencies, including material weaknesses.

(c) Scope and audit procedures

Scope

The scope of our audit work consists of performing audit procedures on all expense transactions incurred for the period of twelve (12) months from January 1, 2024 to December 31, 2024 relating to the eighty-two (82) research projects funded with U.S. federal funds.

As part of an audit and determination of the existence of an adequate control environment, we have reviewed the following documents:

- Agreements signed between Universidad Peruana Cayetano Heredia and the National Health Institute Salud - NHI.
- Agreements signed between Universidad Peruana Cayetano Heredia y: (i) Centers For Disease Control and Prevention; (ii) Navsup Fleet Logistics Support Center Sigonella; and (iii) Health Security Partners - HSP.

Remittance letter and summary (continued)

- Subcontracts signed by Universidad Peruana Cayetano Heredia and other U.S. universities, which were funded by the National Institute of Health - NIH as well as subcontracts comprising the services rendered by the University to conduct the related research work.
- Decentralized system of Information and Monitoring on Research (SIDISI, the Spanish acronym).
- Organizational flowchart.
- Description of accounting system.
- Directives containing policies and procedures for procurement and contracting implementing by the University.

Audit Procedures

Our audit was conducted on the consolidated fund accountability statement, including an evaluation of the internal control structure, and compliance with the terms of the financing contracts and subcontracts and applicable laws and regulations as follows:

- **Consolidated fund accountability statement**

Our audit of the eighty-two (82) fund accountability statements(individual statements), for each project including the budgeted amounts, the expenses reported and compliance with the procedures set out in the funding contracts and subcontracts.

We performed tests on the existence of relevant documentation supporting the expenses incurred by the audited Projects, including original documents.

We performed tests on the procedures in place for purchases, procurement of goods, price bids and quotations.

We performed tests on the procedures in place for hiring payroll personnel and the determination of their fringe benefits.

We performed tests on the procedures in place to contract and evaluate services rendered by third parties, contracts, technical reports, certificates of satisfaction with the service based on the nature of each service.

We conducted our audit of the consolidated fund accountability statements based on the Generally Accepted Government Auditing Standards (GAGAS). Our audit evaluated the actions taken to execute the Projects and the achievements obtained to determine whether the specific costs incurred are permissible, allocable, and reasonable under the terms of the subcontracts and applicable cost principles, identifying areas where fraud and illegal acts may have occurred or could have occurred as a result of inadequate internal controls.

Remittance letter and summary (continued)

Regardless of the above, we performed the following procedures:

1. We performed tests on the University's accounting books and auxiliary records to verify whether the costs incurred were properly recorded.
2. We performed tests on the University's accounting books and auxiliary records to verify whether the costs incurred were properly recorded.
3. We performed tests on the existing purchasing procedures to determine whether sound business practices have been applied, including open competition, reasonable prices, and adequate controls over quality and quantity received.
4. We performed tests on whether travel and transportation charges were properly documented and approved.
5. We performed tests on the existence of the goods purchased by the entity and whether they were used for the purposes established in the terms of the financing contracts and subcontracts, as well as the control procedures implemented to adequately safeguard them.
6. We tested whether the costs incurred during the year are related to the University's Projects Work Plan for the twelve (12) month period from January 1, 2024 to December 31, 2024.

- **Evaluation of the internal control system in place relating to Projects**

We evaluated the structure of the University's internal control system in order to understand the design of the relevant control policies and procedures, and whether they were put in place; by performing the following procedures:

1. We obtained a sufficient understanding of internal control to plan the audit and determine the nature, timing and extent of the audit tests to be performed.
2. We assessed inherent and control risk, and determine detection risk to prevent or detect material weaknesses.
3. We summarized the risk assessments for each assertion in the working papers, considering the following classifications: (a) types of transactions and events, and (b) presentation and disclosure.

Remittance letter and summary (continued)

4. We evaluated the internal control environment, the adequacy of the accounting system and control procedures in place. We placed emphasis on the policies and procedures relevant to the University's ability to record, process, summarize and report financial information consistent with the assertions contained in the consolidated fund accountability statement.

Our evaluation included, but was not limited to, control systems to:

- Ensure that charges to financing contracts and subcontracts are correct and properly documented.
- Manage cash on hand and in bank accounts.
- procure goods and services.
- Ensure compliance with the terms of contracts and subcontracts, applicable laws and regulations that collectively have a material impact on the consolidated fund accountability statement.

- **Evaluation of compliance with the terms of funding contracts and subcontracts and applicable laws and regulations**

During the planning and execution stage of our compliance testing, we took the following into account:

1. We identified the terms of contracts and subcontracts, applicable laws and regulations; and determined which, if not complied with, could have a direct and significant effect on the consolidated statement of income, as follows:
 - a) We listed the Project's uniform and specific clauses contained in contracts and subcontracts which, in the aggregate, if not complied with, may have a direct and significant effect on the consolidated fund accountability statement.
 - b) We assess the inherent and control risk of a significant non-compliance occurring for each compliance requirement listed in the previous point.
 - c) We determined the nature, timing and extent of audit procedures and steps to perform tests to determine whether there are errors, fraud, illegal acts, that provide reasonable assurance of detecting instances of intentional or unintentional non-compliance with the terms of contracts and subcontracts, applicable laws and regulations that could have a material effect on the consolidated statement of income, based on the risk assessment described in the preceding paragraph.

Remittance letter and summary (continued)

2. We determined whether payments have been made in accordance with the terms of contracts and subcontracts, applicable laws and regulations.
 3. We determined whether the funds were expended for authorized purposes, in accordance with the applicable terms of the financing contracts and subcontracts.
 4. We determined whether the goods and services purchased were used for the purposes set forth in the terms of the financing contracts and subcontracts; otherwise, the cost of such goods should be questioned.
- **Other audit responsibilities**
 1. We held entrance and exit meetings with the officials in charge at the University.
 2. We set quality control procedures to ensure that sufficient competent evidence was obtained through inspection, observation, interviews, and confirmations to provide a reasonable basis for expressing an opinion on the consolidated expenditure statement under audit. These procedures ensure that:
 - The audit report and the documents supporting the working papers are reviewed by a partner not involved in the audit.
 - All monetary amounts and figures involving calculations have been duly verified and referenced; and
 - All statements of facts, figures, conclusions, and monetary amounts are referenced to working papers.
 3. We obtained a Management representation letter signed by Management of the University.

(d) Audit results

- **Consolidated fund accountability statement**

In our opinion, the consolidated fund accountability statements for the eighty-two (82) Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health - NIH; (ii) Center of Disease Control - CDC; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024, terms of the subcontracts and under the basis of accounting described in Note 2 (a) of the Notes to the consolidated fund accountability statement.

Remittance letter and summary (continued)

- **Evaluation of the internal control structure of Projects**

In planning and auditing the consolidated fund accountability statements comprising the eighty-two (82) Research projects funded by U.S. federal funds via funding contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following activities: (i) National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024, financial reporting (internal control) as a basis to design our audit procedures for the purpose of expressing an opinion on the Consolidated fund accountability statement, but not to express an opinion on the effectiveness of the University's internal control; accordingly, we expressed no such opinion. As a result of our procedures, we have noted no conditions in the internal control system of the University that need to be report in this report.

- **Evaluation of the University's compliance with the terms of the funding contracts and subcontracts and applicable laws and regulations**

Based on the results of our tests of compliance, we considered that with respect to the eighty-two (82) Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health - NIH; (ii) Center of Disease Control - CDC; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024, the University has complied with the terms of the relevant contracts and subcontracts and applicable laws and regulations.

Countersigned by:

Luis Acosta Peche & Asociados S. Civil de R. L

Luis R. Acosta Peche

(Partner)

Peruvian Certified Public Accountant

Registration N° 14042

Lima, Peru

August 7, 2025

Independent auditor's report on the consolidated fund accountability statement of the Projects

To the Members of the University Board of Universidad Peruana Cayetano Heredia

Opinion

1. We have audited the attached consolidated fund accountability statement for the eighty-two (82) Research Projects (hereinafter the Projects) implemented by Universidad Peruana Cayetano Heredia (a non-public university under private law), and funded by U.S. federal funds under funding contracts and subcontracts signed by Universidad Peruana Cayetano Heredia with the following institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024.

In our opinion, the consolidated fund accountability statement, referred to above, present fairly, in all material respects, the expenses reported as incurred by the eighty-two (82) Research Projects, for the period of twelve (12) months from January 1, 2024 to December 31, 2024 in accordance with the basis of accounting set out in Note 2 of the notes to the consolidated fund accountability statement. The University has complied, in all material respects, with the terms of the funding contracts and subcontracts signed between Universidad Peruana Cayetano Heredia, National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, which are required by the U.S. federal authorities and the National Institute of Health(NIH) per Circular OMB A -133, for the period from January 1, 2024 to December 31, 2024.

Basis for opinion

2. We have conducted our audit in accordance with the U.S. Generally Accepted Government Auditing Standards issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the consolidated fund accountability statement section of our report.

We are independent of the University under the International Code of Ethics for Professional Accountants (the Code) issued by the International Ethics Standard Board for Accountants (IESBA) and those approved by the Board of Deans of Institutes of Peruvian Certified Public Accountants, and we have fulfilled our responsibilities under those requirements and those of the IESBA Code.

Independent auditor's report on the consolidated fund accountability statement of the Projects (continued)

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibility of Management of Universidad Peruana Cayetano Heredia for the consolidated fund accountability statement of Projects

3. Management (Dirección General de Administración) of Universidad Peruana Cayetano Heredia is responsible for the preparation and fair presentation of the consolidated fund accountability statement of the eighty-two (82) Research Projects in accordance with the basis of accounting described in Note 2 of the notes to the consolidated fund accountability statement, and the internal control that the Management determines is necessary to enable the preparation of financial statements that are free from material misstatements, whether due to fraud or error.

Auditor's responsibility for the audit of the consolidated fund accountability statement

4. We conducted our audit of the consolidated fund accountability statement of the eighty-two (82) Research Projects in accordance with the Generally Accepted Government Auditing Standards (GAGAS), of the United States of America, the U.S. Compliance Supplement of the Office of Management and Budget (OMB) - Circular A 133 and the International Auditing Standards (IAS), as applicable. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the consolidated fund accountability statement is free from material misstatements. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the consolidated fund accountability statement. An audit also includes assessing the accounting principles used and significant estimates made by the University, as well as evaluating the overall presentation of the consolidated statement of expenditures. We believe that our audit provides a reasonable basis for our opinion.

We do not have a program of quality control reviews performed by any third-party organizations, as required by Chapter 5. Paragraphs 5.60 and 5.67 of the Generally Accepted Government Auditing Standards of the United States of America, since such a program is not offered by any professional organization in Peru. We believe that the effects of this departure from U.S. Generally Accepted Government Auditing Standards are not material because the documentation of our work performed is subject to quality control reviews by partners and managers not involved with the audits performed and our Firm is subject, every two years, to an extensive quality control review by partners and managers of other Russell Bedford International member firms.

Independent auditor's report on the consolidated fund accountability statement of the Projects (continued)

Responsibility for establishing an internal control structure

5. Management (Dirección General de Administración) of Universidad Peruana Cayetano Heredia is responsible for establishing and maintaining an effective internal control system. In planning and performing our audit, we considered the internal controls that could have a significant effect on the realization of the eighty-two (82) Projects, to design the appropriate procedures in the performance of our audit to be in a position to express an opinion on the reasonableness of internal control in accordance with OMB A-133. OMB Circular A-133. In our opinion based on our review of internal control, we did not identify any significant deficiencies in accordance with the requirements of OMB Circular A-133; for the period from January 1, 2024 to December 31, 2024.

Emphasis of a matter

6. The accounting transactions of the Research Projects are recorded in U.S. dollars, which is the currency of origin; however, for purposes of preparing the fund accountability statements of each of the Research Projects, these are presented in U.S. dollars and Peruvian soles only for reference purposes.

Other matter of interest

7. Given the fact the eighty-two (82) research projects have different annual budget periods, it is not possible to make a comparison between the approved budgets and their execution; therefore, the executed expenses are presented as indicated in the Terms of Reference for the period from January 1, 2024 to December 31, 2024.

Countersigned by:

Luis Acosta Peché & Asociados S. Civil de R. L

Luis R. Acosta Peché

(Partner)

Peruvian Certified Public Accountant

Registration N° 14042

Lima, Peru

August 7, 2025

Universidad Peruana Cayetano Heredia

Consolidated fund accountability statement of eighty-two (82) Research Projects funded with U.S. Federal Funds funded by U.S. Federal Funds, under contracts and subcontracts signed by Universidad Peruana Cayetano Heredia and funding institutions

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Notes	Amount in US\$	Amount in S/
<u>Direct costs</u>			
Remuneration	3.1	4,457,927	16,734,149
Materials and supplies		912,370	3,433,081
Smaller items		46,502	175,638
Capital goods		97,496	364,349
Services rendered by third parties	3.2	1,851,959	6,948,552
Tax expense		18,828	70,931
Other management expenses	3.3	2,151,394	8,090,301
Total direct costs		9,536,476	35,817,001
Administrative expenses (Overhead)		544,907	2,048,798
Total costs incurred		10,081,383	37,865,799

The accompanying Notes to the consolidated fund accountability statement are an integral part of this statement.

Universidad Peruana Cayetano Heredia

Consolidated fund accountability statement of eighty-two (82) Research Projects funded with U.S. Federal Funds, under contracts and subcontracts signed by Universidad Peruana Cayetano Heredia and funding institutions

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Research Projects	Remuneration	Materials and supplies	Smaller items	Capital goods	Services rendered by third parties	Tax expense	Other management expenses	Administrative expenses (Overhead)	Total	Total
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	S/
Project 1	115,633	313	24,025	2,826	38,267	7,307	1,096,236	13,862	1,298,469	4,885,213
Project 2	177,434	1,271	172	6,074	53,366	1,510	170,400	27,040	437,267	1,646,807
Project 3	101,947	51,988	596	3,976	59,232	0	139,341	23,902	380,982	1,427,240
Project 4	81,855	29,681	1,597	5,710	60,103	1,359	164,679	8,258	353,242	1,328,118
Project 5	75,164	0	0	0	22,562	0	53,115	12,398	163,239	613,535
Project 6	123,438	6,108	319	1,995	6,697	0	3,048	5,538	147,143	554,070
Project 7	64,413	20,356	153	1,534	14,032	0	25,325	7,058	132,871	498,106
Project 8	117,942	0	0	0	264	0	9,960	0	128,166	482,123
Project 9	49,001	3,703	0	0	6,887	0	58,380	2,652	120,623	454,121
Project 10	76,321	14,220	0	1,673	17,645	0	1,070	7,424	118,353	444,712
Project 11	44,899	1,453	0	0	52,352	0	1,393	5,565	105,662	397,678
Project 12	89,935	1,170	1,261	0	3,555	83	0	3,208	99,212	372,576
Project 13	58,319	0	0	0	990	0	13,799	5,198	78,306	294,575
Project 14	35,881	39	0	0	5,856	0	11,764	4,621	58,161	218,777
Project 15	18,254	0	0	0	10,118	0	0	0	28,372	106,009
Project 16	17,821	514	0	951	8,129	0	0	0	27,415	102,478
Project 17	2,484	3,306	0	0	802	0	0	11,241	17,833	67,228
Project 18	9,795	0	0	0	549	0	0	3,179	13,523	50,380

Universidad Peruana Cayetano Heredia

Consolidated fund accountability statement of eighty-two (82) Research Projects funded with U.S. Federal Funds, under contracts and subcontracts signed by Universidad Peruana Cayetano Heredia and funding institutions (continued)

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Research Projects	Remuneration	Materials and supplies	Smaller items	Capital goods	Services rendered by third parties	Tax expense	Other management expenses	Administrative expenses (Overhead)	Total	Total
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	S/
Project 19	11,213	0	0	0	20	0	0	704	11,937	44,858
Project 20	0	0	0	0	2,885	0	0	3,681	6,566	25,109
Project 21	337,831	244,839	536	0	143,464	1,209	30,929	70,935	829,743	3,116,913
Project 22	113,890	21,846	683	2,259	53,430	0	0	5,343	197,451	740,388
Project 23	3,810	12,220	137	0	20,113	0	500	2,500	39,280	146,063
Project 24	3,266	640	0	0	17,096	0	0	2,117	23,119	87,615
Project 25	175,362	75,906	5,923	19,150	167,468	145	2,465	0	446,419	1,677,586
Project 26	326	0	0	0	8,082	0	0	0	8,408	31,572
Project 27	42,862	38	0	0	12,981	0	845	9,949	66,675	250,752
Project 28	31,596	50	0	5,415	42,520	0	94,567	12,086	186,234	697,762
Project 29	3,339	0	0	0	0	0	0	0	3,339	12,473
Project 30	60,161	2,076	0	0	7,483	0	0	5,072	74,792	280,546
Project 31	54,978	23,457	364	0	29,208	56	0	8,891	116,954	437,833
Project 32	(3,265)	1,118	0	3,459	2,657	0	0	4,332	8,301	29,919
Project 33	103,677	11,077	0	836	39,692	0	0	17,582	172,864	647,533
Project 34	93,808	11,525	169	0	46,622	0	9,374	10,404	171,902	644,329
Project 35	110,912	2,828	0	0	31,101	0	7,052	14,287	166,180	624,963
Project 36	28,187	9,260	0	1,337	4,705	0	60	0	43,549	163,771
Project 37	176,197	44,026	0	0	156,779	2,820	23,566	34,385	437,773	1,640,912

Universidad Peruana Cayetano Heredia

Consolidated fund accountability statement of eighty-two (82) Research Projects funded with U.S. Federal Funds, under contracts and subcontracts signed by Universidad Peruana Cayetano Heredia and funding institutions (continued)

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Research Projects	Remuneration	Materials and supplies	Smaller items	Capital goods	Services rendered by third parties	Tax expense	Other management expenses	Administrative expenses (Overhead)	Total	Total
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	S/
Project 38	33,997	184	0	2,493	5,073	0	0	1,701	43,448	162,448
Project 39	7,133	6,390	0	0	2,712	594	0	2,180	19,009	70,908
Project 40	23,860	5,252	0	0	12,350	0	0	1,016	42,478	159,443
Project 41	77,459	32,367	0	10,667	48,349	1,024	16	9,826	179,708	674,197
Project 42	47,773	3,285	1,111	586	20,736	541	48,568	7,613	130,213	487,532
Project 43	50,746	223	53	0	21,394	0	17,705	4,335	94,456	354,570
Project 44	9,233	8,411	0	436	8,619	0	0	2,465	29,164	109,347
Project 45	0	0	0	0	540	0	382	0	922	3,421
Project 46	33,038	0	0	0	98	0	0	2,931	36,067	135,824
Project 47	11,661	0	0	0	267	0	0	1,590	13,518	50,527
Project 48	2,872	0	0	0	17,535	0	0	1,532	21,939	81,538
Project 49	4,138	0	0	0	20	0	3,750	124	8,032	30,480
Project 50	158,686	90,179	7,037	4,823	252,083	1,440	467	21,053	535,768	2,011,992
Project 51	61,141	6,035	0	0	25,052	0	0	2,489	94,717	356,171
Project 52	53,075	677	0	183	23,210	0	0	3,325	80,470	302,571
Project 53	0	0	0	0	1,616	0	0	0	1,616	6,001
Project 54	73,344	17,228	0	875	7,327	0	0	3,729	102,503	385,833
Project 55	77,938	13,687	0	1,570	110	0	0	5,061	98,366	369,159
Project 56	4,500	0	0	0	2,028	0	1,183	153	7,864	29,556

Universidad Peruana Cayetano Heredia

Consolidated fund accountability statement of eighty-two (82) Research Projects funded with U.S. Federal Funds, under contracts and subcontracts signed by Universidad Peruana Cayetano Heredia and funding institutions (continued)

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Research Projects	Remuneration	Materials and supplies	Smaller items	Capital goods	Services rendered by third parties	Tax expense	Other management expenses	Administrative expenses (Overhead)	Total	Total
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	S/
Project 57	214	87	907	0	3,824	0	306	139	5,477	20,813
Project 58	18,923	608	0	0	3,878	0	0	2,545	25,954	96,861
Project 59	0	0	0	0	15	0	0	0	15	58
Project 60	6,842	1,180	0	0	35	0	0	0	8,057	30,227
Project 61	142,975	386	0	0	30,080	209	0	14,040	187,690	704,803
Project 62	70,856	450	0	0	7,998	62	0	9,588	88,954	334,122
Project 63	65,129	6,908	0	4,460	16,379	0	1,802	3,047	97,725	367,775
Project 64	14,786	256	0	0	6,700	0	0	2,913	24,655	92,340
Project 65	13,994	158	0	0	4,651	0	0	617	19,420	72,772
Project 66	7,953	935	0	0	4,967	0	53,788	3,498	71,141	267,907
Project 67	151,513	15,222	0	0	39,269	0	486	14,418	220,908	828,515
Project 68	43,755	11,731	866	0	11,815	0	0	3,859	72,026	270,350
Project 69	273,360	189	0	0	9,717	0	615	12,700	296,581	1,112,791
Project 70	63,773	85,247	0	12,800	42,451	0	0	20,349	224,620	845,849
Project 71	79,149	0	0	1,408	9,989	0	63,981	6,580	161,107	605,789
Project 72	31,454	240	186	0	7,233	0	0	663	39,776	149,098
Project 73	0	605	0	0	6,830	0	0	10,126	17,561	65,929
Project 74	30,481	94	0	0	8,419	0	13,612	4,348	56,954	213,831
Project 75	0	0	0	0	10	0	0	413	423	1,587

Universidad Peruana Cayetano Heredia

Consolidated fund accountability statement of eighty-two (82) Research Projects funded with U.S. Federal Funds, under contracts and subcontracts signed by Universidad Peruana Cayetano Heredia and funding institutions (continued)

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Research Projects	Remuneration	Materials and supplies	Smaller items	Capital goods	Services rendered by third parties	Tax expense	Other management expenses	Administrative expenses (Overhead)	Total	Total
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	S/
Project 76	67,319	3,188	407	0	26,456	457	349	6,881	105,057	394,564
Project 77	18,044	5,472	0	0	6,594	12	0	8,976	39,098	146,998
Project 78	2,930	0	0	0	1,800	0	17,427	0	22,157	83,453
Project 79	8,175	226	0	0	2,697	0	0	3,467	14,565	54,632
Project 80	7,022	242	0	0	3,033	0	0	1,205	11,502	43,337
Project 81	0	0	0	0	288	0	9,048	0	9,336	35,087
Project 82	0	0	0	0	0	0	41	0	41	150
	<u>4,457,927</u>	<u>912,370</u>	<u>46,502</u>	<u>97,496</u>	<u>1,851,959</u>	<u>18,828</u>	<u>2,151,394</u>	<u>544,907</u>	<u>10,081,383</u>	<u>37,865,799</u>

The accompanying Notes to the consolidated fund accountability statement are an integral part of this statement.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 1: Addressing hypertension and diabetes through community-engaged systems
in Puno, Perú (Andes study)

Funded with U.S. Federal Funds, under direct agreements between the National
Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	115,633	434,797
Materials and supplies	313	1,184
Smaller items	24,025	91,159
Capital goods	2,826	10,675
Services rendered by third parties	38,267	144,018
Tax expense	7,307	27,471
Other management expenses	1,096,236	4,123,627
Total direct costs	1,284,607	4,832,931
Administrative expenses (Overhead)	13,862	52,282
Total costs incurred	1,298,469	4,885,213

Researcher: Stella Maria Hartinger Peña

Effective period of project: September 2020 to January 2027

General Objective of Project:

Design and evaluate the effectiveness of a multi-component strategy for the diagnosis and treatment of hypertension (HTN) and type 2 diabetes (T2D). The ANDES multi-component strategy consists of: (1) health campaigns with events offering HTN/T2D diagnosis in the community and (2) follow-up led by community social actors to improve treatment adherence.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 2: 1/2 - Regional geohealth hub centered in Perú
 Funded with U.S. Federal Funds, under direct agreements between National Institutes
 of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	177,434	666,184
Materials and supplies	1,271	4,775
Smaller items	172	646
Capital goods	6,074	22,391
Services rendered by third parties	53,366	200,867
Tax expense	1,510	5,676
Other management expenses	170,400	644,163
Total direct costs	410,227	1,544,702
Administrative expenses (Overhead)	27,040	102,105
Total costs incurred	437,267	1,646,807

Researcher: Stella María Hartinger Peña

Effective period of project: June 2022 to February 2027

General Objective of Project:

Develop capacities in air pollution research in Peru and study its association with cardiovascular and respiratory conditions - including COVID-19 - and Alzheimer's disease (AD), where the association with air pollution is not well established.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 3: Peru infectious diseases epidemiology research training consortium
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	101,947	382,638
Materials and supplies	51,988	196,439
Smaller items	596	2,220
Capital goods	3,976	14,843
Services rendered by third parties	59,232	221,928
Tax expense	0	0
Other management expenses	139,341	520,088
Total direct costs	357,080	1,338,156
Administrative expenses (Overhead)	23,902	89,084
Total costs incurred	380,982	1,427,240

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: April 2015 to December 2024

General Objective of Project:

The concurrent influenza pandemic has highlighted gaps in knowledge and response capacity for emerging infectious diseases. Therefore, the consortium's objectives include contributing to the development of sustainable research capacity in Peru, training master's and doctoral graduates to study key epidemiological and ecological aspects of the pandemic and seasonal influenza, and training students.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 4: Training in infectious diseases in Perú - time for implementation research
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	81,855	307,039
Materials and supplies	29,681	111,473
Smaller items	1,597	5,922
Capital goods	5,710	21,456
Services rendered by third parties	60,103	225,668
Tax expense	1,359	5,226
Other management expenses	164,679	619,839
Total direct costs	344,984	1,296,623
Administrative expenses (Overhead)	8,258	31,495
Total costs incurred	353,242	1,328,118

Researcher: Héctor Hugo García Lescano

Effective period of project: July 1999 to February 2026

General Objective of Project:

Training in infectious diseases is essential for building research infrastructure in Peru, enabling the study of infectious diseases of local importance. This training grant builds on a longstanding, successful collaboration, funded by the NIH, between the Universidad Peruana Cayetano Heredia (UPCH) in Lima, Peru, and the Johns Hopkins School of Public Health (JHSPH). We will develop and train students in short-term, medium-term, and long-term programs, both abroad and in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 5: Research Ethics Training in Latin America (RETAMA)
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	75,164	282,370
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	22,562	84,889
Tax expense	0	0
Other management expenses	53,115	200,131
Total direct costs	150,841	567,390
Administrative expenses (Overhead)	12,398	46,145
Total costs incurred	163,239	613,535

Researcher: Theresa Jean Ochoa Woodell

Effective period of project: April 2024 to May 2029

General Objective of Project:

In Peru, although biomedical research has grown significantly in the last decade, training in research ethics has not kept pace. There are few specialized academics, no postgraduate programs or specialized curricula in ethics are offered, and research in this area is scarce. To address this gap, the RETAMA (Research Ethics Training in Latin America) program was launched. With the aim of increasing the number of professionals trained in research ethics and integrity, the project seeks to strengthen the impact of responsible, high-quality health research, raising ethical standards and contributing positively to the health of Latin American populations.

Universidad Peruana Cayetano Heredia

Individual fund accountability statement

Project 6: Genomic epidemiology of campylobacter in poultry to enable the effective control of human campylobacteriosis in a middle-income country
Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	123,438	464,488
Materials and supplies	6,108	23,054
Smaller items	319	1,191
Capital goods	1,995	7,477
Services rendered by third parties	6,697	25,126
Tax expense	0	0
Other management expenses	3,048	11,493
Total direct costs	141,605	532,829
Administrative expenses (Overhead)	5,538	21,241
Total costs incurred	147,143	554,070

Researcher: Francesca Schiaffino Salazar

Effective period of project: August 2022 to June 2027

General Objective of Project:

Investigate the genomic diversity of MDR Campylobacter colonization in chickens, with the overall goal of reducing the burden of MDR Campylobacter in human populations through adequate control of Campylobacteriosis in poultry production and food processing. We believe that there are sufficient genomic characteristics to identify distinct Campylobacter populations among small-scale and industrial-scale poultry products that can contribute significantly to human host attribution disease models. Go beyond the epidemiology of risk factors within an environment that harbors unlimited sources of Campylobacter.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 7: Improving HIV and STI prevention and care for Venezuelan sexual and gender minority migrants in Lima, Peru
Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	64,413	242,020
Materials and supplies	20,356	76,162
Smaller items	153	576
Capital goods	1,534	5,926
Services rendered by third parties	14,032	52,831
Tax expense	0	0
Other management expenses	25,325	94,072
Total direct costs	125,813	471,587
Administrative expenses (Overhead)	7,058	26,519
Total costs incurred	132,871	498,106

Researcher: Alfonso Alberto Silva Santisteban Portella

Effective period of project: September 2023 to September 2025

General Objective of Project:

Understanding vulnerabilities to HIV and other STIs among Venezuelans belonging to sexual and gender minorities. To this end, a convergent mixed-methods approach will be used, collecting qualitative and quantitative data in parallel. Objective 1 includes focus groups and in-depth interviews to identify barriers, facilitators, and migration trajectories that influence sexual health. The findings from Objective 1.1 will be used to develop the Objective 2 questionnaire. Meanwhile, Objective 1.2 will be developed simultaneously with Objective 2. The data will then be integrated to analyze HIV/STI access and outcomes in relation to variables such as gender, sex, migration, and sex work. Finally, Objective 3 will synthesize the findings and generate a pilot report in collaboration with key stakeholders.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 8: A mobile phone short message service intervention to increase retention in HIV (Weltel Peru)

Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	117,942	442,920
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	264	1,002
Tax expense	0	0
Other management expenses	9,960	38,201
Total direct costs	128,166	482,123
Administrative expenses (Overhead)	0	0
Total costs incurred	128,166	482,123

Researcher: Luis Alberto Menacho Alvirio

Effective period of project: August 2020 to July 2025

General Objective of Project:

Determining the effectiveness of an intervention based on a text messaging service, provided through a web-based system, in increasing retention in care for human immunodeficiency virus (HIV) compared to standard care. We will conduct a randomized controlled trial. The primary outcome will be retention in HIV care within one (1) year after enrollment.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 9: A non-inferiority randomized single blind controlled trial comparing one and two dose regimes of oxfendazole
Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	49,001	183,999
Materials and supplies	3,703	13,750
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	6,887	25,811
Tax expense	0	0
Other management expenses	58,380	220,416
Total direct costs	117,971	443,976
Administrative expenses (Overhead)	2,652	10,145
Total costs incurred	120,623	454,121

Researcher: Héctor Hugo García Lescano

Effective period of project: August 2023 to July 2028

General Objective of Project:

In our experience in Cusco, Peru, nearly 40% of children treated with one dose of TCBZ did not achieve parasitological cure, and 60% of them failed with a second dose of treatment. Oxfendazole (OXF) is a veterinary benzimidazole with a broad antihelminthic spectrum. Our group has extensive experience working with OXF through studies on *Taenia solium* cysticercosis. Our preliminary studies in naturally infected animals show that OXF is also highly effective against *Fasciola hepatica*. To date, we have completed animal toxicology and phase 1 human studies of OXF, confirming its high bioavailability and, more importantly, its safety. These data strongly suggest that OXF is an excellent candidate for the treatment of human fascioliasis. We will compare two OXF regimens, a single dose of 20 mg/kg and two doses of 20 mg/kg, with the standard treatment of two doses of 10 mg/kg of TCBZ for the treatment of children and adults with chronic *Fasciola hepatica* infection.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 10: Understanding immune modulation in taenia solium neurocysticercosis by
using a novel postoncosphere in vitro model
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	76,321	286,665
Materials and supplies	14,220	53,435
Smaller items	0	0
Capital goods	1,673	6,255
Services rendered by third parties	17,645	66,419
Tax expense	0	0
Other management expenses	1,070	3,971
Total direct costs	110,929	416,745
Administrative expenses (Overhead)	7,424	27,967
Total costs incurred	118,353	444,712

Researcher: Manuela Renee Verastegui Pimentel

Effective period of project: May 2020 to April 2025

General Objective of Project:

The proposal for a new in vitro model of Taenia solium embryo development, developed by the group, which allows the specific differences in antigen expression at each stage to be determined in order to identify the immunomodulatory molecules used by the parasite to survive by evading the host's immune response, with a focus on the recently described TGF- β mimic molecules that have been shown to play a significant role in the immunomodulation of the parasite.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 11: Isolation and identification of CXCR4 and CXCR7 agonists from traditional
phytopharmaceuticals as potential novel drugs for mental disorders
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	44,899	168,080
Materials and supplies	1,453	5,444
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	52,352	198,114
Tax expense	0	0
Other management expenses	1,393	5,210
Total direct costs	100,097	376,848
Administrative expenses (Overhead)	5,565	20,830
Total costs incurred	105,662	397,678

Researcher: Carla María Gallo López Aliaga

Effective period of project: October 2020 to July 2025

General Objective of Project:

Isolating and characterizing novel neuroactive compounds from selected botanical extracts. This will be done through bioassay-guided fractionation, dereplication, and structural elucidation of the active compounds. Additionally, we seek to consolidate an independent drug discovery research platform at our institution for these therapeutic targets, i.e., specific molecules in the body, as well as contribute to the academic training of students.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 12: Ensayo clínico controlado, aleatorizado, multicéntrico, de regímenes de
dosis única y múltiple de oxfendazole
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	89,935	337,692
Materials and supplies	1,170	4,402
Smaller items	1,261	4,723
Capital goods	0	0
Services rendered by third parties	3,555	13,331
Tax expense	83	314
Other management expenses	0	0
Total direct costs	96,004	360,462
Administrative expenses (Overhead)	3,208	12,114
Total costs incurred	99,212	372,576

Researcher: Héctor Hugo García Lescano

Effective period of project: September 2023 to May 2028

General Objective of Project:

A randomized, double-blind, three-arm controlled trial was conducted at six research centers in two different geographical regions, three in India and three in Peru, to compare the efficacy and safety of a single-dose regimen of 20 mg/kg oxfendazole and a regimen of three similar doses over seven days (day 1, day 4, and day 7) with the most effective antiparasitic regimen available, a combination of albendazole plus praziquantel for ten days in individuals with mild CCN (with one to two lesions).

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 13: Program for advanced research capacities for AIDS in Perú (Paracas)
harnessing implementation science
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	58,319	219,511
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	990	3,667
Tax expense	0	0
Other management expenses	13,799	51,776
Total direct costs	73,108	274,954
Administrative expenses (Overhead)	5,198	19,621
Total costs incurred	78,306	294,575

Researcher: Elsa Violeta González Lagos

Effective period of project: June 2020 to December 2024

General Objective of Project:

Training young Peruvian health researchers with the necessary tools to successfully conduct independent research in the various fields of HIV required to ensure appropriate care for people living with HIV and ultimately achieve the goal of eliminating HIV transmission.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 14: Research Training in Integration of Epidemiology and Implementation
Science for Neglected Zoonotic Disease Control in Peru
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	35,881	135,030
Materials and supplies	39	147
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	5,856	22,029
Tax expense	0	0
Other management expenses	11,764	44,249
Total direct costs	<hr/> 53,540	<hr/> 201,455
Administrative expenses (Overhead)	4,621	17,322
Total costs incurred	<hr/> 58,161	<hr/> 218,777

Researcher: Javier Arturo Bustos Palomino

Effective period of project: April 2024 to December 2025

General Objective of Project:

The major focus is on selecting participants from disadvantaged areas of Peru (coast, Andes, Amazon), drawing on the experience of multiple sites and a team with a proven track record. Developing a transdisciplinary program in implementation science and epidemiology in Peru, therefore; this program proposes to train a new cohort of transdisciplinary researchers in Peru, committed to the effective implementation of health interventions in disadvantaged regions, creating sustainable links with other Fogarty programs and leveraging established academic networks.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 15: Using burden of treatment as a clinical indicator of barriers to multimorbidity management in Peru: A mixed methods A Mixed Approach

Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	18,254	68,289
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	10,118	37,720
Tax expense	0	0
Other management expenses	0	0
Total direct costs	28,372	106,009
Administrative expenses (Overhead)	0	0
Total costs incurred	28,372	106,009

Researcher: Juan Jaime Miranda Montero

Effective period of project: September 2020 a June 2025

General Objective of Project:

The Treatment Burden Questionnaire (TBQ) will be used to assess BOT in patients with multimorbidity in Peru. Semi-structured interviews will also be conducted. Participants will be recruited from a variety of clinical and geographic settings. The TBQ will be administered to measure total BOT, as well as BOT related to different dimensions of healthcare workload. Sociodemographic characteristics and other clinical outcome indicators will also be assessed. By collecting this information, we hope to better understand what patient-reported barriers to managing multimorbidity exist in Peru and which subgroups of patients, particularly those in different healthcare sectors and geographic settings, are at higher risk of experiencing high BOT.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 16: Alternative therapeutic approaches for the control of brain inflammation secondary to antihelminthic therapy in neurocysticercosis using a novel experimental
Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	17,821	66,533
Materials and supplies	514	1,929
Smaller items	0	0
Capital goods	951	3,520
Services rendered by third parties	8,129	30,496
Tax expense	0	0
Other management expenses	0	0
Total direct costs	27,415	102,478
Administrative expenses (Overhead)	0	0
Total costs incurred	27,415	102,478

Researcher: Gianfranco Arroyo Hurtado

Effective period of project: March 2019 a February 2025

General Objective of Project:

This study protocol proposes to optimize this animal model and characterize the immunopathological processes associated with cystic infection of the CNS (study 1). Subsequently, and in conjunction with a combined antihelminthic regimen using albendazole and praziquantel, the model will be used to determine the appropriate doses of ETN (study 2A) or MTX (study 2B) in controlling the acute local inflammatory response resulting from antihelminthic therapy in pigs with viable cerebral cysticercosis; measured outcomes will include inflammatory markers, blood-brain barrier dysfunction/permeability, neuronal damage, and structural changes in brain tissue. Finally, in study 3, we will compare the optimal dose of ETN or MTX versus the standard anti-inflammatory regimen using the corticosteroid dexamethasone (DEX) in controlling pericystic inflammation using the same endpoints as studies 2A and 2B..

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 17: The effect of strongyloides stercoralis on HTLV-1 disease progression
Funded with U.S. Federal Funds, under direct agreements between National Institutes
of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	2,484	9,417
Materials and supplies	3,306	12,613
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	802	3,043
Tax expense	0	0
Total direct costs	6,592	25,073
Administrative expenses (Overhead)	11,241	42,155
Total costs incurred	17,833	67,228

Researcher: Martin Montes Delgado

Effective period of project: March 2018 to February 2024

General Objective of Project:

Test two hypotheses: 1) Strongyloides stercoralis infection leads to a higher proviral load of HTLV-1, a higher number of infected cells, and earlier transformation of infected CD4+ T cells. We will compare proviral load and number of infected CD4+ T cells in peripheral blood by staining for CD159 and loss of CD7 (an early marker of transformation). In patients coinfecting with HTLV-1/SS before and up to six months after treatment for strongyloidiasis; cases of coinfection with >5 years of follow-up or controls; patient coinfecting with HTLV-1/SS followed prospectively. 2) Early cell transformation (CADM1 positive, low CD7) is driven by the following mechanisms: Virus-driven lymphoproliferation (proviral load, spontaneous and antigen-driven lymphoproliferation); bacterial translocation and associated inflammation and/or expansion of regulatory T cells. These studies will test the importance of SS infection as a cofactor in lymphoproliferative disorders and explore a rationale for more aggressive approaches to SS in HTLV-1 patients, as well as in general populations.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 18: Planning an MD-MSC combined degree program focused on translational research to build the next generation of Physician-Scientist in Perú
Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Employee benefits	9,795	36,428
Training	0	0
Travel	0	0
Consulting	0	0
Equipment and/or supplies	549	2,032
Laboratory services and patient caretakers	0	0
Total direct costs	<hr/> 10,344	<hr/> 38,460
Administrative expenses (Overhead)	<hr/> 3,179	<hr/> 11,920
Total costs incurred	<hr/> 13,523	<hr/> 50,380

Researcher: Martin Montes Delgado

Effective period of project: July2020 a March 2024

General Objective of Project:

1) Develop the curriculum design for the master's degree; 2) Address the feasibility of accommodating dual accreditation requirements for a combined MD-MSC program at both academic institutions; 3) Develop the induction program for MD/MSC faculty, encouraging good mentoring practices toward younger trainees; 4) Pilot the master's degree curriculum components; 5) Analyze strategies to optimize trainee retention and transition to scientific independence, with the participation of Peruvian stakeholders. After completing this planning process, we will be in an exceptional position to develop and implement a robust and highly competitive D43 application that will become a milestone in the capacity building of Peruvian physicians and scientists.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 19: UC Davis multidisciplinary cancer research training program to advance precision cancer prevention and care in Latin America
Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	11,213	42,127
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	20	75
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 11,233	<hr/> 42,202
Administrative expenses (Overhead)	<hr/> 704	<hr/> 2,656
Total costs incurred	<hr/> 11,937	<hr/> 44,858

Researcher: Tatiana Vidaurre Rojas

Effective period of project: September 2022 to August 2027

General Objective of Project:

Implement a five-year program in which two master's students in oncology from Cayetano Heredia University in Peru are selected each year to participate in a one-year training program. Train and promote research activities in oncology.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 20: Patient - Centered intervention to prevent tuberculosis among children < 5 years old

Funded with U.S. Federal Funds, under direct agreements between National Institutes of Health - NIH and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	2,885	10,983
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 2,885	<hr/> 10,983
Administrative expenses (Overhead)	<hr/> 3,681	<hr/> 14,126
Total costs incurred	<hr/> 6,566	<hr/> 25,109

Researcher: Larissa Otero Vegas

Effective period of project: September 2018 to February 2024

General Objective of Project:

Develop an intervention package to increase information, motivation, and recall to complete preventive therapy with isoniazid (PTIP) (*) in children under 5 years of age who have been prescribed this therapy.

(*) Preventive therapy with isoniazid (PTIP) is a simple and cost-effective method that stops the activation of tuberculosis bacteria.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 21: Project of febrile illness surveillance in the Andean and Amazon countries
(Pisaac)

Funded with U.S. Federal Funds, under direct agreements between Centers For
Disease Control and Prevention and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	337,831	1,268,760
Materials and supplies	244,839	920,498
Smaller items	536	2,014
Capital goods	0	0
Services rendered by third parties	143,464	536,388
Tax expense	1,209	4,523
Other management expenses	30,929	114,593
Total direct costs	758,808	2,846,776
Administrative expenses (Overhead)	70,935	270,137
Total costs incurred	829,743	3,116,913

Researcher: Carlos Eduardo Zamudio Fuertes

Effective period of project: September 2021 to August 2025

General Objective of Project:

Determine the etiology and epidemiology of influenza-like illnesses and severe acute respiratory illnesses, with a special focus on COVID-19 in strategically selected regions of Peru and Ecuador, improve laboratory capacity for disease diagnosis, produce timely information and accurate surveillance data, and develop a workforce that can continue these measures.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 22: Improving national knowledge and awareness of fungal infections in Perú
Funded with U.S. Federal Funds, under direct agreements between Centers For
Disease Control and Prevention and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	113,890	427,336
Materials and supplies	21,846	81,339
Smaller items	683	2,568
Capital goods	2,259	8,500
Services rendered by third parties	53,430	200,609
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 192,108	<hr/> 720,352
Administrative expenses (Overhead)	<hr/> 5,343	<hr/> 20,036
Total costs incurred	<hr/> 197,451	<hr/> 740,388

Researcher: Claudia Lizzete Banda Flores

Effective period of project: September 2021 to September 2026

General Objective of Project:

Improve human capacity, knowledge, awareness, and proper diagnosis of fungal infections in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 23: Assess and increase bioinformatics knowledge and skills to support capacity for zoonotic disease surveillance in Argentina and Peru
Funded with U.S. Federal Funds, under direct agreements between Health Security Partners - HSP and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	3,810	14,143
Materials and supplies	12,220	45,712
Smaller items	137	512
Capital goods	0	0
Services rendered by third parties	20,113	74,477
Tax expense	0	0
Other management expenses	500	1,867
Total direct costs	36,780	136,711
Administrative expenses (Overhead)	2,500	9,352
Total costs incurred	39,280	146,063

Researcher: Pablo Tsukayama Cisneros

Effective period of project: March 2024 to May 2024

General Objective of Project:

Train at least 20 bioinformatics experts from animal and human health laboratories in Argentina and Peru to perform sequencing, bioinformatics analysis, and safe and accurate reporting of zoonotic diseases. Strengthen the response capacity to zoonotic outbreaks in both countries and improve technical laboratory and analysis skills in health emergencies.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 24: Strengthening regional zoonotic disease detection and reporting by hosting the Regional Zoonotic Disease Detection and Reporting Workshop: Tabletop Exercise & Recommendations

Funded with U.S. Federal Funds, under direct agreements between Health Security Partners - HSP and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	3,266	12,225
Materials and supplies	640	2,445
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	17,096	65,009
Tax expense	0	0
Other management expenses	0	0
Total direct costs	21,002	79,679
Administrative expenses (Overhead)	2,117	7,936
Total costs incurred	23,119	87,615

Researcher: Ernesto Eugenio Gozzer Infante

Effective period of project: June 2024 to July 2024

General Objective of Project:

Hold a regional workshop that will bring together at least 45 experts from Argentina, Brazil, Peru, and other countries in the region who specialize in zoonotic disease surveillance. The workshop will evaluate and define current mechanisms for detecting and reporting outbreaks. In addition, specific areas for improvement in the region will be identified and recommendations will be formulated to strengthen regional detection and notification. During the theoretical workshop, participants will simulate current and ideal scenarios for detection and response to zoonotic outbreaks. They will then work in groups to develop concrete recommendations aimed at improving detection and notification systems in the region. The workshop will be organized by UPCH, in coordination with Health Security Partners (HSP) and the Technical Working Group (GTT), and will last 3.5 days in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 25: Cooperasalud II: Technical Assistance to Strengthen Post-Pandemic HIV Prevention and Control Capacities in the Peruvian Armed Forces
Funded with U.S. Federal Funds, under direct agreements between Navsup Fleet Logistics Support Center Sigonella and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	175,362	658,508
Materials and supplies	75,906	285,673
Smaller items	5,923	22,288
Capital goods	19,150	71,515
Services rendered by third parties	167,468	629,883
Tax expense	145	545
Other management expenses	2,465	9,174
Total direct costs	446,419	1,677,586
Administrative expenses (Overhead)	0	0
Total costs incurred	446,419	1,677,586

Researcher: Carlos Fernando Cáceres Palacios

Effective period of project: September 2023 to September 2027

General Objective of Project:

In a new four-year phase, COOPERASALUD II will provide technical assistance to the Peruvian military, with the aim of improving the quality of HIV prevention care (from a combined prevention perspective); as well as continuity of HIV care (testing, treatment, and viral suppression), with special attention to HIV/TB co-infection, and addressing the stigma and discrimination surrounding the HIV epidemic among military personnel and their families. It also includes activities aimed at strengthening the military health system, including data management systems and the COPRECOS laboratory.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 26: Cooperasalud: technical support for the consolidation of HIV prevention and control in the Peruvian Armed Forces

Funded with U.S. Federal Funds, under direct agreements between Navsup Fleet Logistics Support Center Sigonella and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	326	1,223
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	8,082	30,349
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 8,408	<hr/> 31,572
Administrative expenses (Overhead)	<hr/> 0	<hr/> 0
Total costs incurred	<hr/> 8,408	<hr/> 31,572

Researcher: Carlos Fernando Cáceres Palacios

Effective period of project: November 2019 to September 2023

General Objective of Project:

Seek to strengthen and consolidate resources and strategies for the prevention and control of human immunodeficiency virus (HIV) in the Peruvian Armed Forces.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 27: Improving response to Malaria outbreaks in Amazon-basin countries
Funded with U.S. Federal Funds, under a subcontract signed Duke University and
Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	42,862	161,019
Materials and supplies	38	141
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	12,981	48,852
Tax expense	0	0
Other management expenses	845	3,177
Total direct costs	56,726	213,189
Administrative expenses (Overhead)	9,949	37,563
Total costs incurred	66,675	250,752

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: September 2021 to August 2026

General Objective of Project:

Improving knowledge of the distribution of climatic, ecological, social, and community factors will enable the optimization of malaria outbreak prediction systems, as well as the timely and effective implementation of public health interventions. Objective: To improve the prediction of malaria incidence as part of an early warning system to inform interventions aimed at malaria control. Methodology: This will be developed in accordance with the two main specific objectives: 1) Evaluate the relationship between infrastructure, socioeconomic networks, and migration across international borders (Brazil-Peru, Ecuador-Peru) and the incidence of malaria. First, public data will be extracted to create a district database in the three countries and evaluate their relationships with malaria. Next, a sample of community networks and a survey for key informants will be designed in two international transport corridors to characterize community networks. Subsequently, malaria transmission patterns through community networks will be evaluated, as well as whether connectivity at the district level predicts these community networks. 2) Evaluate scenarios for potential interventions along borders to jointly reduce malaria. First, communities will be selected and data collected. Then, agent-based models (ABMs) will be calibrated and validated).

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 28: Training - 2/2 Regional geohealth hub centered in Peru-US
Funded with U.S. Federal Funds, under a subcontract signed by Emory University and
Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	31,596	118,452
Materials and supplies	50	189
Smaller items	0	0
Capital goods	5,415	20,215
Services rendered by third parties	42,520	158,197
Tax expense	0	0
Other management expenses	94,567	355,292
Total direct costs	174,148	652,345
Administrative expenses (Overhead)	12,086	45,417
Total costs incurred	186,234	697,762

Researcher: Stella María Hartinger Peña

Effective period of project: January 2022 to February 2027

General Objective of Project:

Strengthen research capabilities on topics related to environmental health and the association between ambient air pollution and cardiovascular and respiratory diseases, COVID-19, and Alzheimer's disease in Peru. To achieve this, short annual courses are offered in Peru, Chile, and the United States of America, along with individual research mentoring and postgraduate programs in public health in Peru. Participants will be selected in Peru, Bolivia, and Ecuador.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 29: Rehabilitación de la afasia en Perú: cuidado clínico actual, facilitadores y barreras para alcanzar la mejor práctica clínica.

Funded with U.S. Federal Funds, under a subcontract signed by Harvard T.H. Chan School Of Public Health and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	3,339	12,473
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	0	0
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 3,339	<hr/> 12,473
Administrative expenses (Overhead)	<hr/> 0	<hr/> 0
Total costs incurred	<hr/> 3,339	<hr/> 12,473

Researcher: Coralith Marlinda Garcia Apac

Effective period of project: July 2023 to June 2025

General Objective of Project:

Characterize the usual care for aphasia in Peru and identify barriers and facilitators of ideal clinical practice for aphasia in Peru. This project has two objectives: the first is to characterize the usual care for aphasia in Peru. The second is to identify barriers and facilitators to ideal clinical practice for aphasia in Peru. To achieve these objectives, an online survey will be developed and refined with the participation of clinicians and distributed to rehabilitation professionals who work with people with aphasia. We will also implement focus groups to deepen the information obtained.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 30: Rapid point-of-care assay for diagnosis of Neurocysticercosis in seizure patients

Funded with U.S. Federal Funds, under a subcontract signed by Kephera Diagnostics, LLC and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	60,161	225,802
Materials and supplies	2,076	7,753
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	7,483	28,013
Tax expense	0	0
Other management expenses	0	0
Total direct costs	69,720	261,568
Administrative expenses (Overhead)	5,072	18,978
Total costs incurred	74,792	280,546

Researcher: Héctor Hugo García Lescano

Effective period of project: May 2023 to April 2025

General Objective of Project:

Develop a point-of-care lateral flow serological test prototype for neurocysticercosis. In Phase 1 of the Project, Kephera Inc. used recombinant and synthetic *T. solium* antigens corresponding to those used in the EITB. These antigens have demonstrated high sensitivity and specificity in previous studies and, in combination, further increase sensitivity for the detection of single viable cysts, the most challenging manifestation of the disease. In Phase 2, we will collaborate with Kephera Inc. in evaluating the lateral flow neurocysticercosis test in prospective studies in neurological patients with symptoms suggestive of neurocysticercosis.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 31: Respiratory pathogen-specific T cell signatures following vaccination,
natural infection, and treatment
Funded with U.S. Federal Funds, under a subcontract signed by La Jolla Institute For
Immunology and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	54,978	205,809
Materials and supplies	23,457	87,568
Smaller items	364	1,370
Capital goods	0	0
Services rendered by third parties	29,208	109,301
Tax expense	56	214
Other management expenses	0	0
Total direct costs	108,063	404,262
Administrative expenses (Overhead)	8,891	33,571
Total costs incurred	116,954	437,833

Researcher: Melissa Marlene Méndez Aranda

Effective period of project: June 2022 to May 2027

General Objective of Project:

It focuses on three (3) major objectives related to MTB exposure: Objective 1) active disease, characterized by uncontrolled symptomatic MTB infection; Objective 2) reactive MTB (also known as "latent"), characterized by immune reactivity to MTB but without symptoms of disease; and Objective 3) BCG revaccination of adults. For individuals with active disease, we will conduct longitudinal IMS monitoring during the course of treatment and identify markers that predict treatment outcome. Similarly, IMS monitoring will be conducted in "latent" individuals treated prophylactically to determine who is most likely to benefit from treatment.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 32: Proteome-wide characterization of T cell epitopes from mycobacterium tuberculosis in vaccination and active infection
Funded with U.S. Federal Funds, under a subcontract signed by La Jolla Institute For Immunology and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items		Amount in US\$	Amount in S/
<u>Direct costs</u>			
Remuneration	(a)	(3,265)	(13,131)
Materials and supplies		1,118	4,213
Smaller items		0	0
Capital goods		3,459	12,800
Services rendered by third parties		2,657	9,889
Tax expense		0	0
Total direct costs		3,969	13,771
Administrative expenses (Overhead)		4,332	16,148
Total costs incurred		8,301	29,919

Researcher: César Ugarte Gil

Effective period of project: September 2021 to September 2024

- (a) The negative amount in the remuneration item is due to the fact that in 2024, reconciliations were made for provisions for Severance Pay (CTS), bonuses, and vacations, which generated reversals of expenses charged in 2023.

General Objective of Project:

This proposal addresses the discovery and validation of HLA class II-presented T cell epitopes derived from Mycobacterium tuberculosis. A library of 21,200 peptides will be tested in individuals with active TB disease, as well as in individuals who have been vaccinated with BCG, all from the United States, Peru, Moldova, Sri Lanka, and Sweden. These peptides will represent each individual ORF in the MTB genome, 2-10 per ORF depending on size, variants not fully conserved among the MTB strains considered, peptides contained only in BCG vaccine strains but not in MTB, and 15 MER peptides overlapping by 10 covering 12 currently known antigens.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 33: Development and validation of an agent-based model to promote evidence-based control of taenia solium cysticercosis

Funded with U.S. Federal Funds, under a subcontract signed by Oregon Health & Science University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	103,677	389,047
Materials and supplies	11,077	41,558
Smaller items	0	0
Capital goods	836	3,086
Services rendered by third parties	39,692	148,458
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 155,282	<hr/> 582,149
Administrative expenses (Overhead)	<hr/> 17,582	<hr/> 65,384
Total costs incurred	<hr/> 172,864	<hr/> 647,533

Researcher: Héctor Hugo García Lescano

Effective period of project: July 2019 to December 2024

General Objective of Project:

Develop an accurate transmission model for cysticercosis that can efficiently identify those interventions with the highest probability of success for further testing in prospective field trials.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 34: Implementation of ring strategy for community engaged control of
neurocysticercosis

Funded with U.S. Federal Funds, under a subcontract signed by Oregon Health &
Science University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	93,808	351,728
Materials and supplies	11,525	43,149
Smaller items	169	629
Capital goods	0	0
Services rendered by third parties	46,622	174,715
Tax expense	0	0
Other management expenses	9,374	35,259
Total direct costs	<hr/> 161,498	<hr/> 605,480
Administrative expenses (Overhead)	<hr/> 10,404	<hr/> 38,849
Total costs incurred	<hr/> 171,902	<hr/> 644,329

Researcher: Patricia Javier Arturo Bustos Palomino

Effective period of project: August 2019 to December 2024

General Objective of Project:

Develop an adoptable approach to TA as a control program for the parasite Taeni solium.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 35: Urine screening for early detection of subarachnoid neurocysticercosis
Funded with U.S. Federal Funds, under a subcontract signed by Oregon Health &
Science University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	110,912	417,441
Materials and supplies	2,828	10,690
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	31,101	116,944
Tax expense	0	0
Other management expenses	7,052	26,447
Total direct costs	151,893	571,522
Administrative expenses (Overhead)	14,287	53,441
Total costs incurred	166,180	624,963

Researcher: Héctor Hugo García Lescano

Effective period of project: July 2018 to June 2024

General Objective of Project:

Detail the general objectives of the project: This proposed cross-sectional study will focus on validating a new screening test for the detection of antigen (AG) in urine for NCCSA in an endemic population, with confirmation by brain MRI, to understand the underlying prevalence of NCCSA and implementation of the test at the community level. A defined group of urine samples will then be used to validate a prototype point-of-care (POC) urine test format that can be mass-produced. Detail the specific objectives of the project: Evaluate a large population in a region endemic for *Taenia solium* to detect cases of subarachnoid neurocysticercosis at the community level. Conduct a cross-sectional study in rural communities in Piura, Peru, a region endemic for cysticercosis. We will evaluate the prevalence of positive antigens in urine, the optimal optical density (OD) level, and the predictive value of urine screening for NCCSA confirmed by MRI, and we will identify individuals with asymptomatic NCCSA at the community level for subsequent inclusion.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 36: Next-generation sequencing diagnostics to identify etiologies of acute undifferentiated fever in the Peruvian Amazon
Funded with U.S. Federal Funds, under a subcontract signed by Research Triangle Institute International and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	28,187	105,898
Materials and supplies	9,260	34,904
Smaller items	0	0
Capital goods	1,337	5,000
Services rendered by third parties	4,705	17,747
Tax expense	0	0
Other management expenses	60	222
Total direct costs	43,549	163,771
Administrative expenses (Overhead)	0	0
Total costs incurred	43,549	163,771

Researcher: Francesca Falconi Agapito

Effective period of project: September 2023 to April 2025

General Objective of Project:

Evaluate the usefulness of nanopore metagenomics in the absence of a diagnosis, using samples that tested negative for DENV, ZIKV, YFV, CHIKV, malaria, and leptospirosis; evaluate the added value of nanopore metagenomics for samples with an existing diagnosis in DENV-positive samples and evaluate the cost-effectiveness of nanopore metagenomic diagnosis and surveillance in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 37: Fend for tuberculosis

Funded with U.S. Federal Funds, under a subcontract signed by Rutgers The State University of New Jersey and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	176,197	661,370
Materials and supplies	44,026	165,044
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	156,779	586,365
Tax expense	2,820	10,665
Other management expenses	23,566	88,782
Total direct costs	403,388	1,512,226
Administrative expenses (Overhead)	34,385	128,686
Total costs incurred	437,773	1,640,912

Researcher: Carlos Eduardo Zamudio Fuertes

Effective period of project: June 2020 to May 2025

General Objective of Project:

Support proof-of-concept studies to evaluate new early-stage tuberculosis tests, assays, and diagnostic strategies, and provide feedback to diagnostic developers on the performance of the technology and potential strategies for use in endemic settings. For the purposes of this initiative, an “early-stage” diagnostic refers to a diagnostic that has advanced to the stage where a prototype is ready and available for evaluation, but is not currently used in clinical care and treatment decisions for tuberculosis.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 38: Diagnostic innovations for pediatric tuberculosis in Bolivia
Funded with U.S. Federal Funds, under a subcontract signed by The Administrators Of
The Tulane Educational Fund (DBA Tulane University) and Universidad Peruana
Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	33,997	127,328
Materials and supplies	184	690
Smaller items	0	0
Capital goods	2,493	9,277
Services rendered by third parties	5,073	18,777
Tax expense	0	0
Other management expenses	0	0
Total direct costs	41,747	156,072
Administrative expenses (Overhead)	1,701	6,376
Total costs incurred	43,448	162,448

Researcher: Mirko Juan Zimic Peralta

Effective period of project: June 2023 to May 2025

General Objective of Project:

The objective of the Project is to address the diagnostic challenges of childhood tuberculosis (TB), especially in children under 5 years of age, by applying innovative technologies to detect free DNA from Mycobacterium tuberculosis in blood samples. This will enable more accurate, early, and accessible detection, enhance treatment and reducing mortality in this vulnerable population.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 39: How land use change transforms the landscape of vector-borne disease
Funded with U.S. Federal Funds, under a subcontract signed by The Board Of
Trustees Of The Leland Stanford Juner University and Universidad Peruana Cayetano
Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	7,133	26,731
Materials and supplies	6,390	23,765
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	2,712	10,065
Tax expense	594	2,233
Other management expenses	0	0
Total direct costs	16,829	62,794
Administrative expenses (Overhead)	2,180	8,114
Total costs incurred	19,009	70,908

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: September 2020 to August 2025

General Objective of Project:

Determine the presence of zoonotic arboviruses, hantaviruses, and arenaviruses in arthropods, rodents, and wild bats using active epidemiological surveillance methods. Wild rodents and bats will be captured in urban and peri-urban areas during two seasons of the year. Serological, virological, and molecular biology tests will be performed for viral diagnosis.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 40: Acceptability, feasibility, and preliminary impact of a web-based, HIV prevention toolkit with cisgender male couples in Lima, Peru

Funded with U.S. Federal Funds, under a subcontract signed by The Florida International University Board of Trus and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	23,860	89,397
Materials and supplies	5,252	19,621
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	12,350	46,598
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 41,462	<hr/> 155,616
Administrative expenses (Overhead)	<hr/> 1,016	<hr/> 3,827
Total costs incurred	<hr/> 42,478	<hr/> 159,443

Researcher: Alfonso Silva Santisteban Portella

Effective period of project: July 2021 to June 2025

General Objective of Project:

Test an intervention for gay male couples to determine whether it helps them prevent human immunodeficiency virus (HIV). The intervention is a website with five modules designed for gay couples.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 41: Using the mycobacterium tuberculosis genome to predict tuberculosis pathology, drug resistance acquisition and identify community transmission
Funded with U.S. Federal Funds, under a subcontract signed by The John Hopkins University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	77,459	289,996
Materials and supplies	32,367	121,318
Smaller items	0	0
Capital goods	10,667	39,585
Services rendered by third parties	48,349	182,299
Tax expense	1,024	3,825
Other management expenses	16	59
Total direct costs	169,882	637,082
Administrative expenses (Overhead)	9,826	37,115
Total costs incurred	179,708	674,197

Researcher: Mirko Juan Zimic Peralta

Effective period of project: April 2021 to March 2025

General Objective of Project:

This program uses population-level genome sequencing data from the tuberculosis (TB) pathogen, together with radiological data, to determine the genomic form of the bacteria responsible for tuberculosis in Peru at the population level over a 20-year period and to infer phylogenetically which genetic backgrounds are associated with the acquisition of drug resistance. then confirm these findings in the laboratory and in a similar collection of datasets from >3000 strains.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 42: Infectious diseases training program in Bolivia: south - south training with Peru

Funded with U.S. Federal Funds, under a subcontract signed by The John Hopkins University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	47,773	179,752
Materials and supplies	3,285	12,343
Smaller items	1,111	4,156
Capital goods	586	2,175
Services rendered by third parties	20,736	77,666
Tax expense	541	2,029
Other management expenses	48,568	181,048
Total direct costs	122,600	459,169
Administrative expenses (Overhead)	7,613	28,363
Total costs incurred	130,213	487,532

Researcher: Héctor Hugo García Lescano

Effective period of project: May 2015 to December 2024

General Objective of Project:

The overall objective of our proposal is to develop and build a long-term sustainable training program in tropical infectious diseases in Bolivia. Our goal is to meet the needs of marginalized areas, train a group of professionals, strengthen local institutions, and improve research methodologies in order to enhance the quality and impact of research.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 43: Research training in chronic, non-communicable respiratory diseases in Peru

Funded with U.S. Federal Funds, under a subcontract signed by The John Hopkins University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	50,746	190,303
Materials and supplies	223	827
Smaller items	53	203
Capital goods	0	0
Services rendered by third parties	21,394	80,087
Tax expense	0	0
Other management expenses	17,705	66,978
Total direct costs	90,121	338,398
Administrative expenses (Overhead)	4,335	16,172
Total costs incurred	94,456	354,570

Researcher: Stella María Hartinger Peña

Effective period of project: April 2020 to May 2025

General Objective of Project:

Provide high-caliber multidisciplinary training opportunities to young Peruvian researchers in environmental exposure and chronic respiratory disease research. Specifically, this program will focus on developing research and training capacity to address environmental risk factors (ambient air pollution, indoor air pollution, smoking, occupational exposures) that drive the epidemic of chronic respiratory diseases (asthma, COPD, EPI) in Peru. In addition, the program will provide intensive training opportunities and develop training capacity in a variety of scientific disciplines (clinical epidemiology, exposure assessment, efficacy trials, implementation science) relevant to addressing this emerging threat.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 44: Predictors of cardiomyopathy progression in a chagas disease cohort in
Bolivia

Funded with U.S. Federal Funds, under a subcontract signed by The John Hopkins
University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	9,233	34,579
Materials and supplies	8,411	31,654
Smaller items	0	0
Capital goods	436	1,630
Services rendered by third parties	8,619	32,156
Tax expense	0	0
Other management expenses	0	0
Total direct costs	26,699	100,019
Administrative expenses (Overhead)	2,465	9,328
Total costs incurred	29,164	109,347

Researcher: Manuela Renee Verastegui Pimentel

Effective period of project: February 2014 to June 2024

General Objective of Project:

The treatment and biomarkers used for early detection of Chagas disease affecting the heart may reflect early changes in cardiac structure and function, substances such as B-type natriuretic peptide released in response to heart disease, or substances such as transforming growth factor, involved in cardiac pathogenesis at the cellular level. The primary outcome measure will be the progression of Chagas cardiomyopathy over 4 years of follow-up. We propose to examine biomarkers in multiple categories simultaneously to allow a comprehensive assessment of their relative utility, and in combination, in a cohort study recruited from two populations: (1) hyperendemic villages where >95% of adults are infected with *T. cruzi* and 17% of infected individuals >30 years of age have electrocardiographic abnormalities characteristic of Chagas cardiomyopathy, and (2) a large public hospital in the city of Santa Cruz, where >50% of cardiac patients are expected to have Chagas heart disease.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 45: A sociotechnical systems approach to improve tuberculosis (TB) diagnostics in Peru

Funded with U.S. Federal Funds, under a subcontract signed by The Ohio State University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	540	2,000
Tax expense	0	0
Other management expenses	382	1,421
Total direct costs	<hr/> 922	<hr/> 3,421
Indirect costs	<hr/> 0	<hr/> 0
Total costs incurred	<hr/> 922	<hr/> 3,421

Researcher: César Augusto Ugarte Gil

Effective period of project: January 2021 to December 2023

General Objective of Project:

Evaluate the diagnostic validity of Xpert Xpress SARS-CoV-2 by comparing it with a composite reference standard (RT-PCR, tomography, epidemiological clinical history, and clinical symptoms).

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 46: Genomic Epidemiology of Campylobacter to Improve Disease Control in
Low- and Middle-Income Countries

Funded with U.S. Federal Funds, under a subcontract signed by The Rector and
Visitors of the University of Virginia and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	33,038	124,497
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	98	364
Tax expense	0	0
Other management expenses	0	0
Total direct costs	33,136	124,861
Administrative expenses (Overhead)	2,931	10,963
Total costs incurred	36,067	135,824

Researcher: Francesca Schiaffino Salazar

Effective period of project: March 2023 to February 2026

General Objective of Project:

The central hypothesis is that industrially produced meat products are the main source of campylobacteriosis and MDR Campylobacter in humans in this population. To test the central hypothesis, 1) identify the host-segregating characteristics of Campylobacter from zoonotic sources in Peru; 2) characterize the genomes of Campylobacter strains that cause disease in humans, assess the risk of person-to-person transmission in the home, and identify microbial genomic characteristics associated with persistent asymptomatic human carriage; and 3) estimate the burden of campylobacteriosis and MDR human infections attributable to zoonotic sources of domestic and industrial origin. The proposed project will bring together a highly complementary group of accomplished researchers with expertise in epidemiology, Campylobacter genomics, bioinformatics, and microbial ecology to inform strategic and targeted interventions for Campylobacter control.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 47: Enabling infectious disease research capacity in the Peruvian Amazon
Funded with U.S. Federal Funds, under a subcontract signed by The Rector and
Visitors of the University of Virginia and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	11,661	43,567
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	267	1,010
Tax expense	0	0
Other management expenses	0	0
Total direct costs	11,928	44,577
Administrative expenses (Overhead)	1,590	5,950
Total costs incurred	13,518	50,527

Researcher: Francesca Schiaffino Salazar

Effective period of project: March 2023 to December 2027

General Objective of Project:

This Research Project proposes a collaborative research training program that strengthens the capacity of an institution in a low- or middle-income country to conduct research on infectious diseases, focusing on: 1) emerging endemic or potentially fatal infectious diseases; 2) neglected tropical diseases; 3) frequent infections such as co-infections in individuals infected with the human immunodeficiency virus (HIV); and 4) infections associated with noncommunicable diseases that are of public health importance in the Peruvian Amazon area.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 48: South American Program In HIV Prevention Research (SAPHIR)
Funded with U.S. Federal Funds, under a subcontract signed by The Regents of the
University of California and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	2,872	10,789
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	17,535	65,003
Tax expense	0	0
Other management expenses	0	0
Total direct costs	20,407	75,792
Administrative expenses (Overhead)	1,532	5,746
Total costs incurred	21,939	81,538

Researcher: César Paul Eugenio Carcamo Cavagnaro

Effective period of project: June 2021 to March 2026

General Objective of Project:

Provide developing researchers in the United States of America with a structured training and capacity-building program based on a specific research topic in the field of human immunodeficiency virus (HIV) prevention in Latin America. Participants in the SAPHIR program are paired with research mentors from the United States and Latin America to develop an independent research program that incorporates both secondary analysis of existing data and the design of an original research study protocol. Potential research topics include behavioral, epidemiological, clinical, and laboratory issues related to HIV prevention in specific Latin American contexts.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 49: University of California global health institute program for fellows and scholars

Funded with U.S. Federal Funds, under a subcontract signed by The Regents Of The University Of California, San Francisco and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	4,138	15,660
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	20	75
Tax expense	0	0
Other management expenses	3,750	14,273
Total direct costs	<hr/> 7,908	<hr/> 30,008
Administrative expenses (Overhead)	<hr/> 124	<hr/> 472
Total costs incurred	<hr/> 8,032	<hr/> 30,480

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: April 2012 to June 2025

General Objective of Project:

Glocal is a program run by a joint venture of four universities in California, United States of America, funded by the US National Institutes of Health with the aim of providing 12-month mentored research internships in Peru to American or Peruvian researchers.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 50: Focal mass drug administration (FMDA) to reduce Plasmodium vivax transmission, a pragmatic cluster randomized controlled trial in Peru
Funded with U.S. Federal Funds, under a subcontract signed by The Regents Of The University Of California, San Francisco and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	158,686	596,142
Materials and supplies	90,179	338,683
Smaller items	7,037	26,541
Capital goods	4,823	18,032
Services rendered by third parties	252,083	946,454
Tax expense	1,440	5,442
Other management expenses	467	1,759
Total direct costs	514,715	1,933,053
Administrative expenses (Overhead)	21,053	78,939
Total costs incurred	535,768	2,011,992

Researcher: Elmer Alejandro Llanos Cuentas

Effective period of project: August 2022 to May 2025

General Objective of Project:

Determine the effectiveness of Focal Mass Drug Administration (FMDA) in reducing transmission of the Plasmodium vivax parasite.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 51: Integración de fotografías con smartphones para evaluación del tracoma, agudeza visual y autorrefracción móvil para mejorar el monitoreo de la salud pública en la comunidad

Funded with U.S. Federal Funds, under a subcontract signed by The Regents of the University of California, San Francisco and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	61,141	229,861
Materials and supplies	6,035	22,649
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	25,052	94,323
Tax expense	0	0
Other management expenses	0	0
Total direct costs	92,228	346,833
Administrative expenses (Overhead)	2,489	9,338
Total costs incurred	94,717	356,171

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: September 2023 to August 2024

General Objective of Project:

Evaluate the feasibility of a mobile application that integrates Cellscope and other functionalities into the Tropical Data platform using different types of smartphones, in a variety of field conditions and communities.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 52: Application of novel biomarkers to measure health impacts of anthropogenic change in the amazon

Funded with U.S. Federal Funds, under a subcontract signed by The Research Foundation For Suny, University AT Albany and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	53,075	198,995
Materials and supplies	677	2,552
Smaller items	0	0
Capital goods	183	695
Services rendered by third parties	23,210	87,925
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 77,145	<hr/> 290,167
Administrative expenses (Overhead)	<hr/> 3,325	<hr/> 12,404
Total costs incurred	<hr/> 80,470	<hr/> 302,571

Researcher: Antonio Bernabé Ortiz

Effective period of project: August 2022 to August 2025

General Objective of Project:

Assess changes in adult dietary patterns and cardiometabolic disease risk profiles (HbA1c, HDL-C, LDL-C, height, weight, waist-to-hip ratio, blood pressure, and triglycerides) associated with the construction of the Interoceanic Highway (IOH) through the southern Amazon region of Peru by measuring these biomarkers of nutritional transition and complementary data from the dietary survey.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 53: Efectos COVID -19 en adolescentes de la región Amazónica de Loreto
Funded with U.S. Federal Funds, under a subcontract signed by The University Of
Arizona and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	1,616	6,001
Tax expense	0	0
Other management expenses	0	0
	<hr/>	<hr/>
Total direct costs	1,616	6,001
	<hr/>	<hr/>
Administrative expenses (Overhead)	0	0
	<hr/>	<hr/>
Total costs incurred	1,616	6,001
	<hr/>	<hr/>

Researcher: Magaly Marlitz Blas Blas

Effective period of project: January 2023 to January 2024

General Objective of Project:

Assess the impact of COVID-19 on education and pregnancy among adolescents in peri-urban areas of the Loreto region, in the districts of Nauta, Parinari, and Saquena. Focus on the effect that school closures have had on adolescents and the long-term impacts on their reproductive health.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 54: CCASANET: Improving the diagnosis of HIV-associated neurocognitive disorder (hand) in Latin America: A multimodal approach to hand in Peru
Funded with U.S. Federal Funds, under a subcontract signed by The University Of North Carolina At Chapel Hill and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	73,344	275,481
Materials and supplies	17,228	65,261
Smaller items	0	0
Capital goods	875	3,300
Services rendered by third parties	7,327	27,558
Tax expense	0	0
Other management expenses	0	0
Total direct costs	98,774	371,600
Administrative expenses (Overhead)	3,729	14,233
Total costs incurred	102,503	385,833

Researcher: Patricia Jannet García Funegra

Effective period of project: July 2022 to June 2026

General Objective of Project:

Determine whether a multimodal screening platform improves the diagnosis and prediction of TNAV in Peru. Determine whether a tablet-based neuropsychological tool, adapted and validated for TNAV screening in Peru, performs comparably to the pencil-and-paper NP test battery at PVV in a health center in Lima, Peru. Determine whether a predictive model that assigns risks for TNAV at the individual level can predict TNAV with high certainty in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 55: An Integrated Approach to Understand and Diagnose congenital Chagas Disease

Funded with U.S. Federal Funds, under a subcontract signed by The University Of North Carolina At Chapel Hill and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	77,938	292,452
Materials and supplies	13,687	51,564
Smaller items	0	0
Capital goods	1,570	5,809
Services rendered by third parties	110	411
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 93,305	<hr/> 350,236
Administrative expenses (Overhead)	<hr/> 5,061	<hr/> 18,923
Total costs incurred	<hr/> 98,366	<hr/> 369,159

Researcher: Mirko Juan Zimic Peralta

Effective period of project: June 2022 to May 2027

General Objective of Project:

Identify risk factors for vertical transmission of Chagas disease, understand its pathogenesis, develop better diagnostics for early childhood, and evaluate risk factors including maternal medical and demographic history, maternal genetics and immunology, and parasite genetics.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 56: UJMT Launch: Training the next generation of leaders in global health research

Funded with U.S. Federal Funds, under a subcontract signed by The University Of North Carolina At Chapel Hill and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	4,500	16,891
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	2,028	7,616
Tax expense	0	0
Other management expenses	1,183	4,479
Total direct costs	<hr/> 7,711	<hr/> 28,986
Administrative expenses (Overhead)	<hr/> 153	<hr/> 570
Total costs incurred	<hr/> 7,864	<hr/> 29,556

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: July 2023 to June 2025

General Objective of Project:

This study aims to identify the clinical and social factors associated with drug-resistant and uncontrolled epilepsy in Peru. A prospective cohort study will be conducted with 1,110 patients diagnosed with epilepsy in four hospitals in the country. Over a period of six months, disease control, treatment adherence, knowledge about epilepsy, and other risk factors will be evaluated. Structural causes and central nervous system infections are expected to be the main etiologies. In addition, the study will analyze how stigma, socioeconomic status, and access to medication influence the clinical evolution of patients.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 57: Long-term mental health symptoms and psychological rehabilitation among
Peruvian COVID - 19 survivors

Funded with U.S. Federal Funds, under a subcontract signed by The University Of
North Carolina At Chapel Hill and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	214	808
Materials and supplies	87	329
Smaller items	907	3,427
Capital goods	0	0
Services rendered by third parties	3,824	14,586
Tax expense	0	0
Other management expenses	306	1,148
Total direct costs	<hr/> 5,338	<hr/> 20,298
Administrative expenses (Overhead)	<hr/> 139	<hr/> 515
Total costs incurred	<hr/> 5,477	<hr/> 20,813

Researcher: Andrés Guillermo Lescano Guevara

Effective period of project: June 2022 to June 2024

General Objective of Project:

Identify that, on the wake of COVID-19, people have a higher risk of developing mental health disorders.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 58: A prospective study of Acute Flaccid Myelitis (AFM) to define natural
Funded with U.S. Federal Funds, under a subcontract signed by University of Alabama
at Birmingham and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	18,923	70,567
Materials and supplies	608	2,266
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	3,878	14,486
Tax expense	0	0
Other management expenses	0	0
Total direct costs	23,409	87,319
Administrative expenses (Overhead)	2,545	9,542
Total costs incurred	25,954	96,861

Researcher: Theresa Jean Ochoa Woodell

Effective period of project: July 2019 to May 2024

General Objective of Project:

Describe the clinical spectrum of acute flaccid myelitis (AFM) in pediatric patients and its possible association with infectious processes. This study will enroll patients with suspected AFM and their household contacts. Biological samples will be collected from enrolled subjects to establish a biorepository, which will be used for future studies aimed at investigating the etiology, pathophysiology, and genetics of AFM, as well as for the development of diagnostic methods, vaccines, and treatments for this condition.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 59: Conocimientos, actitudes y exposición frente al virus hepatitis A en
estudiantes de medicina de una universidad privada de Lima, Perú
Funded with U.S. Federal Funds, under a subcontract signed by University Of Alabama
At Birmingham and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	15	58
Tax expense	0	0
Other management expenses	0	0
Total direct costs	15	58
Administrative expenses (Overhead)	0	0
Total costs incurred	15	58

Researcher: Helga De Los Angeles Muñoz Cisneros

Effective period of project: April 2023 to April 2026

General Objective of Project:

Determine the level of knowledge about hepatitis A virus infection among medical students at a university in Lima, Peru, their hepatitis A virus vaccination rate, and their IgG serology for hepatitis A virus. The study will be descriptive, observational, longitudinal, and prospective. The inclusion criteria will be belonging to the university's Faculty of Medicine, having successfully completed the course on the structure and function of the musculoskeletal and digestive systems, and being enrolled in the faculty during the period in which the survey is conducted.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 60: Molecular basis of Hypoxia-Induced excessive Erythrocytosis
Funded with U.S. Federal Funds, under a subcontract signed by University Of
California San Diego and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	6,842	25,675
Materials and supplies	1,180	4,421
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	35	131
Tax expense	0	0
Other management expenses	0	0
Total direct costs	8,057	30,227
Administrative expenses (Overhead)	0	0
Total costs incurred	8,057	30,227

Researcher: Bermudez Pumasuncco Daniela Inés

Effective period of project: July 2022 to June 2024

General Objective of Project:

Take blood samples to isolate cells from individuals living at high altitude in Cerro de Pasco and send them to the University of California San Diego for epigenetic studies. Evaluate the genes in these DNA-selected regions that could play an important role in Monge's disease. To evaluate the role of these genes, we first used native CD34+ cells and IPS cell lines derived from both groups and successfully replicated the hypoxia-induced EE phenotype in MMC cell lines in vitro. Take blood samples to isolate cells from individuals living at high altitude in Cerro de Pasco and send them to the University of California San Diego for epigenetic studies. Evaluate the genes in these DNA-selected regions that could play an important role in Monge's disease. To evaluate the role of these genes, we first used native CD34+ cells and IPS cell lines derived from both groups and successfully replicated the hypoxia-induced EE phenotype in MMC cell lines in vitro.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 61: Spatially responsive mass vaccination strategies for urban rabies
Funded with U.S. Federal Funds, under a subcontract signed by University of
Pennsylvania and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	142,975	536,910
Materials and supplies	386	1,463
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	30,080	112,781
Tax expense	209	775
Other management expenses	0	0
Total direct costs	173,650	651,929
Administrative expenses (Overhead)	14,040	52,874
Total costs incurred	187,690	704,803

Researcher: Valerie Andrea Paz Soldan Parlette

Effective period of project: April 2022 to March 2027

General Objective of Project:

Develop and test new algorithms to optimize the location of dog vaccination sites so that long queues are avoided. We will compare the coverage and reach of a new vaccination strategy, incorporating spatial optimization and queueing theory, with current practice. We will also develop data-driven methods to reach underserved populations through gamified door-to-door cleaning campaigns. Even a fixed-point campaign. Finally, we will evaluate the acceptability, scalability, and portability of a new vaccination with spatial response capability.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 62: An immune system for the city: a new paradigm for control of urban disease vectors

Funded with U.S. Federal Funds, under a subcontract signed by University Of Pennsylvania and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	70,856	266,010
Materials and supplies	450	1,712
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	7,998	30,099
Tax expense	62	234
Other management expenses	0	0
Total direct costs	79,366	298,055
Administrative expenses (Overhead)	9,588	36,067
Total costs incurred	88,954	334,122

Researcher: Valerie Andrea Paz Soldan Parlette

Effective period of project: July 2019 to June 2025

General Objective of Project:

Develop a new paradigm for controlling dangerous insects, following the model of the adaptive immune system. The project will adapt aspects of the immune system from the cellular to the landscape scale and test the new approach against a conventional one, using a randomized block design in an ongoing Chagas disease vector control program in the city of Arequipa, Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 63: Comprender las interacciones huésped-patógeno en pacientes con
infección por sífilis

Funded with U.S. Federal Funds, under a subcontract signed by University Of
Southern California and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	65,129	245,016
Materials and supplies	6,908	26,051
Smaller items	0	0
Capital goods	4,460	16,836
Services rendered by third parties	16,379	61,586
Tax expense	0	0
Other management expenses	1,802	6,789
Total direct costs	94,678	356,278
Administrative expenses (Overhead)	3,047	11,497
Total costs incurred	97,725	367,775

Researcher: Carlos Fernando Cáceres Palacio

Effective period of project: December 2023 to October 2024

General Objective of Project:

Syphilis continues to cause significant morbidity and mortality worldwide. Currently, the diagnosis of syphilis is based on immunological determinants first described over 100 years ago (the rapid plasma reagin test), and the available prevention interventions and clinical management protocols for syphilis have not been substantially improved in over 75 years. Further research is urgently needed to advance the understanding of syphilis pathogenesis and improve syphilis control, including a better understanding of the immune biology of syphilis infection for vaccine development and improved detection methods using rapid point-of-care diagnostics. The study will recruit, treat, and follow 100 individuals with incident syphilis without previous infection (with documentation of recent TP seronegativity) and 100 individuals with repeated syphilis infection (with documentation of previous TP seropositivity). We will compare response markers.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 64: Clinical trial comparing the effectiveness of cefixime versus penicillin G for treatment of early SY

Funded with U.S. Federal Funds, under a subcontract signed by University of Southern California and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	14,786	55,459
Materials and supplies	256	952
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	6,700	25,059
Tax expense	0	0
Other management expenses	0	0
Total direct costs	21,742	81,470
Administrative expenses (Overhead)	2,913	10,870
Total costs incurred	24,655	92,340

Researcher: Carlos Fernando Cáceres Palacios

Effective period of project: July 2021 to June 2025

General Objective of Project:

Evaluate the efficacy of Cefixime in the treatment of early syphilis compared to penicillin G benzathine and to determine the predictive factors for treatment failure among participants.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 65: Pilot study of linezolid for early syphilis treatment
Funded with U.S. Federal Funds, under a subcontract signed by University of Southern California and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	13,994	52,554
Materials and supplies	158	600
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	4,651	17,326
Tax expense	0	0
Other management expenses	0	0
Total direct costs	18,803	70,480
Administrative expenses (Overhead)	617	2,292
Total costs incurred	19,420	72,772

Researcher: Carlos Fernando Cáceres Palacios

Effective period of project: November 2022 to October 2024

General Objective of Project:

Evaluate the efficacy of the antibiotic linezolid as an alternative treatment for early syphilis, especially in patients with and without HIV infection. Given the increase in syphilis cases and the limitations of current treatments, a randomized, non-comparative pilot clinical trial is proposed in Peru, with 60 participants. Two oral regimens of linezolid will be compared with benzathine penicillin G, the standard treatment. The study will last two years and will include clinical and serological follow-up at 45, 90, and 180 days. The hypothesis is that linezolid will be safe and effective as a new therapeutic alternative.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 66: Multidisciplinary Training Program on Neuropsychiatry and Behavioral Disorders in First Nations (NEUFIN)

Funded with U.S. Federal Funds, under a subcontract signed by University Of Texas Health Science Center At San Antonio and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	7,953	29,640
Materials and supplies	935	3,521
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	4,967	18,573
Tax expense	0	0
Other management expenses	53,788	202,643
Total direct costs	67,643	254,377
Administrative expenses (Overhead)	3,498	13,530
Total costs incurred	71,141	267,907

Researcher: Carla María Gallo López Aliaga

Effective period of project: September 2023 to July 2026

General Objective of Project:

NEUFIN is a training and mentoring program focused on Quechua minorities in South America (Bolivia, Peru, and Argentina), with a special emphasis on academics and teachers. Over the past five years, two training cycles have been completed within the context of an international master's degree program aimed at strengthening research capabilities. The goal is to provide training in clinical research in areas such as neuroimaging, genetics, epidemiology, neuropsychology, and neuromodulation, and to implement personalized training environments and an online innovation ecosystem to support professional development even after graduation.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 67: One-health approach to study human Fasciola hepatica transmission and inform strategic control
Funded with U.S. Federal Funds, under a subcontract signed by Universidad de Texas Medical Branch and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	151,513	567,798
Materials and supplies	15,222	57,453
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	39,269	147,575
Tax expense	0	0
Other management expenses	486	1,851
Total direct costs	206,490	774,677
Administrative expenses (Overhead)	14,418	53,838
Total costs incurred	220,908	828,515

Researcher: Martin Montes Delgado

Effective period of project: April 2022 to March 2027

General Objective of Project:

Determine the critical steps in the transmission of Fasciola hepatica infection to humans by analyzing environmental, temporal-spatial, and infection distribution data in different hosts using a One Health approach. Demonstrate the accuracy and efficiency of tests to evaluate Fasciola hepatica infection in multiple hosts and environmental samples, including recombinant polymerase amplification tests and serological tests such as the Fasciola hepatica Fas2 antigen capture ELISA in urine.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 68: Markers of triclabendazole resistant fasciolasis the highlands of Peru
Funded with U.S. Federal Funds, under a subcontract signed by University Of Texas
Medical Branch and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	43,755	164,088
Materials and supplies	11,731	44,276
Smaller items	866	3,269
Capital goods	0	0
Services rendered by third parties	11,815	44,215
Tax expense	0	0
Other management expenses	0	0
Total direct costs	68,167	255,848
Administrative expenses (Overhead)	3,859	14,502
Total costs incurred	72,026	270,350

Researcher: José Eduardo Gotuzzo Herencia

Effective period of project: August 2019 to July 2025

General Objective of Project:

The Research Project has the following general objectives: (1) To detect candidate genetic markers associated with Triclabendazole Resistance (TCBZ-R) in Peru; (2) Validate genetic markers associated with TCBZ-R using independent cohorts and determine whether the genetic basis of resistance is conserved among parasite populations infecting animals and humans; and (3) Define transcriptional alterations associated with TCBZ-R in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 69: Integrated next-generation surveillance in global health: translation to action
(insight to action)

Funded with U.S. Federal Funds, under a subcontract signed by University Of
Washington and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	273,360	1,026,296
Materials and supplies	189	703
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	9,717	36,228
Tax expense	0	0
Other management expenses	615	2,328
Total direct costs	283,881	1,065,555
Administrative expenses (Overhead)	12,700	47,236
Total costs incurred	296,581	1,112,791

Researcher: Cesar Paul Carcamo Cavagnaro

Effective period of project: January 2022 to June 2025

General Objective of Project:

Evaluate and strengthen Peru's public health surveillance system, in collaboration with the University of Washington and Universidad Peruana Cayetano Heredia. The aim is to identify decision-makers, describe the current system, and evaluate its performance in relation to priority pathogens. In addition, the quality and use of epidemiological information will be analyzed, as well as areas that require greater integration between human, animal, and environmental health. Opportunities for the development of genomic surveillance will also be identified. The evaluation will be carried out in two phases using WHO and CDC tools.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 70: Discovery & exploration of emerging pathogens - viral zoonoses (DEEP VZN)

Funded with U.S. Federal Funds, under a subcontract signed by University Of Washington and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	63,773	238,395
Materials and supplies	85,247	325,064
Smaller items	0	0
Capital goods	12,800	48,065
Services rendered by third parties	42,451	158,071
Tax expense	0	0
Other management expenses	0	0
Total direct costs	204,271	769,595
Administrative expenses (Overhead)	20,349	76,254
Total costs incurred	224,620	845,849

Researcher: Patricia Jannet García Funegra

Effective period of project: November 2023 to April 2024

General Objective of Project:

Detect and characterize unknown viruses with zoonotic and pandemic potential in Peru, especially in high-risk transmission chains. The aim is to generate internationally shareable scientific data to support risk mitigation, public policy, and vaccine development. During the first year, a sampling plan for humans, animals, and wildlife will be designed and implemented. Local capacities in viral diagnosis will be strengthened, including laboratory equipment and the development of biosafety protocols. Metagenomic sequencing and serological testing will be applied. In addition, data sharing with the global scientific community will be promoted.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 71: D43 Chronic Non-communicable CVDS and comorbidities in Peru
Funded with U.S. Federal Funds, under a subcontract signed by University of
Washington and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	79,149	297,178
Materials and supplies	0	0
Smaller items	0	0
Capital goods	1,408	5,286
Services rendered by third parties	9,989	37,518
Tax expense	0	0
Other management expenses	63,981	240,971
Total direct costs	154,527	580,953
Administrative expenses (Overhead)	6,580	24,836
Total costs incurred	161,107	605,789

Researcher: Stella Maria Hartinger Peña

Effective period of project: September 2021 to March 2026

General Objective of Project:

Develop the research careers of fellows in the area of cardiovascular disease, implementation science, and environmental exposure; provide intensive training opportunities and build capacity in a range of scientific disciplines and skills relevant to achieving independence in research. The long-term goal of this program is to build a sustainable and collaborative research training infrastructure to develop Peruvian scientists capable of designing and implementing interventions that address unmet health needs, including the translation of evidence-based interventions and the implementation and dissemination of effective policies to improve public health in Peru.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 72: Ictus: Interdisciplinary cerebrovascular diseases training program in South America

Funded with U.S. Federal Funds, under a subcontract signed by University of Washinton and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	31,454	117,849
Materials and supplies	240	897
Smaller items	186	699
Capital goods	0	0
Services rendered by third parties	7,233	27,135
Tax expense	0	0
Other management expenses	0	0
Total direct costs	39,113	146,580
Administrative expenses (Overhead)	663	2,518
Total costs incurred	39,776	149,098

Researcher: Héctor Hugo García Lescano

Effective period of project: June 2019 to May 2026

General Objective of Project:

Continue building a team of Peruvian physicians to reduce mortality and morbidity from cerebrovascular disease in Peru. Improve research on the management of cerebrovascular disease and post-stroke rehabilitation in Peru through workshops, educational courses, and master's-level training in research methodology with preceptorship for young Peruvian physicians. Support clinical research projects with mentors in Peru so that all physicians in medium- and long-term training can obtain data for thesis work, publications, and future grant applications in the fields of cerebrovascular rehabilitation and post-stroke care. Improve the quality of stroke care and post-stroke rehabilitation in Peru through implementation science.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 73: Population assessment of Alzheimers and related dementias in rural northern Peru

Funded with U.S. Federal Funds, under a subcontract signed by University of Washinton and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	605	2,305
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	6,830	25,531
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 7,435	<hr/> 27,836
Administrative expenses (Overhead)	<hr/> 10,126	<hr/> 38,093
Total costs incurred	<hr/> 17,561	<hr/> 65,929

Researcher: Héctor Hugo García Lescano

Effective period of project: August 2019 to May 2024

General Objective of Project:

Population studies of cognitive impairment and dementia in rural communities by setting a cognitive status baseline.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 74: Prevention Through Vaccination Training (Prevent) Program
Funded with U.S. Federal Funds, under a subcontract signed by Vanderbilt University
Medical Center and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	30,481	114,386
Materials and supplies	94	350
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	8,419	31,708
Tax expense	0	0
Other management expenses	13,612	51,220
Total direct costs	52,606	197,664
Administrative expenses (Overhead)	4,348	16,167
Total costs incurred	56,954	213,831

Researcher: Theresa Jean Ochoa Woodell

Effective period of project: May 2023 to December 2027

General Objective of Project:

This project is an institutional development initiative to strengthen the capacities of the Alexander Von Humboldt Institute of Tropical Medicine (IMTAVH) and Cayetano Heredia Peruvian University (UPCH) through the Peru-Vanderbilt Prevention through Vaccination (PREVENT) Training Program. The overall objective of PREVENT is to develop a cadre of researchers and educators equipped with modern knowledge and experience to lead research and training on vaccine-preventable diseases in Peru and to encourage researchers based in the United States of America to participate in vaccination research in low- and middle-income countries.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 75: Statistical Methods for correlated outcome and covariate errors in studies of
HIV/AIDS

Funded with U.S. Federal Funds, under a subcontract signed by Vanderbilt University
Medical Center and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	10	37
Tax expense	0	0
Other management expenses	0	0
Total direct costs	10	37
Administrative expenses (Overhead)	413	1,550
Total costs incurred	423	1,587

Researcher: Larissa Otero Vegas

Effective period of project: January 2019 to January 2026

General Objective of Project:

Develop novel statistical methods that mitigate or eliminate biases arising from correlated errors in explanatory variables and outcome times (time to event). Design multi-wave validation or audit strategies that enable systematic error assessment and correction, and create open-source tools that facilitate design and analysis using these innovative methods to overcome the identified problems.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 76: CCASANET 2021-2026, Caribbean, Central and South America Network
Funded with U.S. Federal Funds, under a subcontract signed by Vanderbilt University
Medical Center and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	67,319	253,018
Materials and supplies	3,188	11,925
Smaller items	407	1,525
Capital goods	0	0
Services rendered by third parties	26,456	99,301
Tax expense	457	1,715
Other management expenses	349	1,318
Total direct costs	98,176	368,802
Administrative expenses (Overhead)	6,881	25,762
Total costs incurred	105,057	394,564

Researcher: José Eduardo Gotuzzo Herencia

Effective period of project: July 2021 to April 2026

General Objective of Project:

CCASANET: Caribbean, Central and South American Network for Human Immunodeficiency Virus Epidemiology - HIV. This project creates and maintains a shared repository of HIV data from the Caribbean and Central and South America, and uses the combined data to answer questions about the characteristics of the regional HIV epidemic.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 77: Transmission dynamics of residual malaria in the amazon: defining a roadmap to malaria elimination

Funded with U.S. Federal Funds, under a subcontract signed by Yale University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	18,044	67,800
Materials and supplies	5,472	20,410
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	6,594	25,334
Tax expense	12	44
Other management expenses	0	0
Total direct costs	30,122	113,588
Administrative expenses (Overhead)	8,976	33,410
Total costs incurred	39,098	146,998

Researcher: Dionicia Baziliza Gamboa Vilela

Effective period of project: April 2019 to March 2024

General Objective of Project:

The main objective is to identify risk factors for malaria infection and residual disease, both at the individual and family levels, and to provide parasite samples for detailed molecular population analyses and epidemiological data to develop new mathematical models of malaria transmission.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 78: Ampliando la caja de herramientas para la prevención de sarcopenia y osteoporosis en peruanos que envejecen con VIH: Un estudio de validación
Funded with U.S. Federal Funds, under a subcontract signed by Yale University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	2,930	10,871
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	1,800	6,776
Tax expense	0	0
Other management expenses	17,427	65,806
Total direct costs	22,157	83,453
Administrative expenses (Overhead)	0	0
Total costs incurred	22,157	83,453

Researcher: Patricia Jannet García Funegra

Effective period of project: July 2022 to June 2027

General Objective of Project:

Explore the validity of three brief screening tools for sarcopenia and osteoporosis, which have been used in primary care settings in other countries for the general population, and collect preliminary patient-centered data regarding expectations related to aging, level of disability, and stigma associated with Human Immunodeficiency Virus - HIV, using validated tools that can help inform future work in this area.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 79: Spatiotemporal adaptation of anopheles darling in diverse ecological settings

Funded with U.S. Federal Funds, under a subcontract signed by Yale University and Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	8,175	30,706
Materials and supplies	226	853
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	2,697	10,170
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 11,098	<hr/> 41,729
Administrative expenses (Overhead)	<hr/> 3,467	<hr/> 12,903
Total costs incurred	<hr/> 14,565	<hr/> 54,632

Researcher: Manuela Herrera Varela

Effective period of project: April 2019 to March 2024

General Objective of Project:

This project will address three understudied aspects that will provide key details on how this vector maintains its dominant role in the transmission dynamics of Amazonian malaria by: (1) outlining the importance of anthropogenic breeding sites that lead to high mosquito productivity and dispersal near human habitation; (2) examining rapid adaptation in modified landscapes of the location (indoor/outdoor) and nocturnal timing of biting behavior; and (3) showing how the preferences/changes of this mosquito species interact with asymptomatic Plasmodium vivax carriers to maintain hypo endemic transmission.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 80: Immunology of asymptomatic malaria and the effects of immunity on
plasmodium transmission
Funded with U.S. Federal Funds, under a subcontract signed by Yale University and
Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	7,022	26,374
Materials and supplies	242	920
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	3,033	11,559
Tax expense	0	0
Other management expenses	0	0
Total direct costs	<hr/> 10,297	<hr/> 38,853
Administrative expenses (Overhead)	<hr/> 1,205	<hr/> 4,484
Total costs incurred	<hr/> 11,502	<hr/> 43,337

Researcher: Katherine Jessica Torres Fajardo

Effective period of project: April 2019 to March 2024

General Objective of Project:

The main objective is to compare the inflammatory response and responsiveness of innate immune cells in clinically ill and asymptomatic malaria patients. We validate the defined biomarkers and investigate whether asymptomatic patients are prone to developing disease in recurrent infections. The results of these experiments are to identify innate immune biomarkers, as well as B and T cell responses that predict disease outcome and mosquito transmission.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 81: COPCORD Lima, Perú: Revelando la prevalencia de trastornos musculoesqueléticos y reumáticos en personas que viven con VIH: Un estudio piloto
Funded with U.S. Federal Funds, under a subcontract signed by Yale University and
Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	288	1,076
Tax expense	0	0
Other management expenses	9,048	34,011
Total direct costs	<hr/> 9,336	<hr/> 35,087
Administrative expenses (Overhead)	<hr/> 0	<hr/> 0
Total costs incurred	<hr/> 9,336	<hr/> 35,087

Researcher: Patricia Jannet Garcia Funegra

Effective period of project: July 2024 to June 2025

General Objective of Project:

This study seeks to determine the prevalence of musculoskeletal and rheumatic disorders (MSDs), as well as the level of disability among people living with HIV (PLHIV) over the age of 40 in Lima, Peru. Using validated COPCORD questionnaires, associated risk factors, including those related to HIV, will also be assessed. The research will be conducted between November 2024 and July 2025 with a sample of 352 participants. Quantitative methods will be applied to analyze clinical and sociodemographic characteristics, and regression models will be used to identify significant relationships. This study fills an important gap in information on MSDs in PLHIV and could drive the development of national guidelines for their diagnosis and treatment.

Universidad Peruana Cayetano Heredia

Individual Fund Accountability Statement

Project 82: Core B Data Management
Funded with U.S. Federal Funds, under a subcontract signed by Yale University and
Universidad Peruana Cayetano Heredia

Fund Accountability Statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

Expense items	Amount in US\$	Amount in S/
<u>Direct costs</u>		
Remuneration	0	0
Materials and supplies	0	0
Smaller items	0	0
Capital goods	0	0
Services rendered by third parties	0	0
Tax expense	0	0
Other management expenses	41	150
Total direct costs	41	150
Administrative expenses (Overhead)	0	0
Total costs incurred	41	150

Researcher: Dionicia Baziliza Gamboa Vilela

Effective period of project: April 2019 to March 2024

General Objective of Project:

The objective of this project is to support the study design, the development and validation of case report forms, data cleaning, and the respective analysis.

Universidad Peruana Cayetano Heredia

Notes to the consolidated fund accountability statement

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

1. Background of the University, as a Project Manager

Universidad Peruana Cayetano Heredia (hereinafter the University) is a Peruvian private and nonprofit university that designs and implements innovative research and projects that enhance the capabilities and improve access to opportunities for vulnerable people, contributing to the achievement of a more inclusive society and sustainable development. The University began its activities in 1986, by the will of a group of multidisciplinary professionals, motivated to reverse the high rates of chronic child malnutrition in Peru and the risk factors associated with it. More than 30 years of experience and innovations, with an integral perspective of development, have expanded the field of intervention of the University to eight lines of action and have driven the way to internationalization to Latin America and Africa. It works in alliance with the central government, regional and local governments, international cooperation, academic civil society, organized community and private enterprise that contributes value.

2. Material accounting policies

The material accounting policies applied for the preparation of the consolidated statement of expenses for the period from January 1, 2024 to December 31, 2024 are as follows:

- (a) The consolidated fund accountability statement of the Projects was prepared by the University on a cash receipts and disbursements basis of accounting; under this basis, contractual expenses are recognized on the date of payment.
- (b) The indirect costs budget is derived from the estimated amounts agreed between the cooperating entities and the University.
- (c) The University accounts for its transactions in soles and for the conversion of projects to U.S. dollars it uses the exchange rate prevailing at the date of recording of expense.

3. Costs incurred

The costs incurred in the Projects have been executed in accordance with the approved budgets for the twelve (12) month period from January 1, 2024 to December 31, 2024, with total costs incurred of US\$10,081,383.

Notes to the consolidated fund accountability statement (continued)

The subsections below describe the major costs incurred for the period from January 1, 2024 to December 31, 2024:

3.1 Remuneration

The table below contains a breakdown of this item:

	US\$	S/
Salaries	1,830,082	6,873,413
Statutory bonuses	1,270,288	4,768,563
Statutory bonuses	547,186	2,053,148
Contributions to EsSalud	300,289	1,127,609
Employee severance indemnities - CTS	246,659	925,608
Vacations	235,955	882,641
Grants to interns	10,698	40,180
Life insurance 4916	8,871	33,317
Risky work insurance - SCTR	6,166	23,162
Transportation at request	1,605	6,029
Extraordinary bonuses - EsSalud	128	479
Total	4,457,927	16,734,149

3.2 Services rendered by third parties

The table below shows a breakdown of services rendered by third parties:

	US\$	S/
Advisory and consulting	610,473	2,290,306
Transportation, postage and travel expenses	548,330	2,058,625
Laboratory services	275,744	1,031,815
Rentals	96,004	359,867
Cafeteria services	69,615	260,533
Maintenance and repair	56,903	213,002
Graphic printing services	36,157	136,459
Advertising, publications, public relations	30,544	115,252
Utilities	22,677	85,279
Customs agent service	20,927	78,763
Writing and translation services	15,348	58,095
Photo services	14,729	55,227
Contractor services	640	2,424
Other sundry services	53,868	202,905
Total	1,851,959	6,948,552

Notes to the consolidated fund accountability statement (continued)

3.3 Other management expenses

The table below shows a breakdown of the items of other management expenses:

	US\$	S/
Expenses in share of international contracts	1,466,809	5,519,149
Training support personnel to research Projects	304,025	1,138,255
Grants for scholarship holders under agreements and Projects	280,462	1,053,744
Expenses in share of national contracts	34,167	129,857
Grants and allowances to students	26,979	101,807
Licenses and rights	13,873	52,961
Subscriptions	12,013	45,091
Insurance	5,962	22,384
Other smaller expenses	7,104	27,053
Total	2,151,394	8,090,301

Independent auditor's report on the evaluation of the internal control system of the Projects

To the members of the University Board of Universidad Peruana Cayetano Heredia

1. We audited the accompanying consolidated fund accountability statement of the eighty-two (82) Research Projects (hereinafter, the Projects)) implemented by Universidad Peruana Cayetano Heredia (a nonprofit educational institution), funded with U.S. Federal Funds, under funding contracts and subcontracts signed by Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control - CDC; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024 and we have issued an unqualified audit opinion on such consolidated statement of expenses dated August 7, 2025.
2. We conducted our audit of the consolidated fund accountability statement of the eighty-two (82) Research Projects in accordance with the U.S. Generally Accepted Government Auditing Standard (GAGAS). In planning and performing our audit, we considered the internal control system in place at the University over financial reporting (internal control) as a basis to design our audit procedures for the purpose of expressing an opinion on the consolidated fund accountability statement of the eighty-two (82) Research Projects, but not to express an opinion on the effectiveness of the University's internal control; accordingly, we expressed no such opinion.
3. Management of Universidad Peruana Cayetano Heredia is responsible for establishing and maintaining an internal control structure to manage the Projects. In fulfilling this responsibility, estimates and judgments by the Board are required to assess the expected benefits and related costs of internal control structure policies and procedures. The objectives of an internal control structure are to provide management with reasonable, but not absolute, assurance that the assets are safeguarded against loss from unauthorized use or disposition; transactions are executed in accordance with Board's authorization and in accordance with the terms of the contracts and subcontracts signed and transactions are recorded properly to permit the preparation of the consolidated fund accountability statement de los Projects in accordance with the basis of accounting described note 2 (a) to the consolidated fund accountability statement. A deficiency in internal control exists when the design or operation of a control does not enable Management or its personnel in the ordinary course of their assigned functions to prevent or detect misstatement on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control over financial reporting, such that there is a reasonable possibility that a material misstatement in the consolidated statement of expenses of will not be prevented or detected on a timely basis. Our consideration of the internal control structure was limited

Independent auditor's report on the evaluation of the internal control system of the Projects (continued)

to the purpose described in the first paragraph and was not intended to identify deficiencies in internal control that may be considered significant deficiencies or material weaknesses. We did not identify any deficiencies in internal control that we considered to be a material weakness as defined above.

Countersigned by:

Luis Acosta Peche & Asociados S. Civil de R. L.

Luis R. Acosta Peche

(Partner)

Peruvian Certified Public Accountant

Registration N° 14042

Lima, Peru

August 7, 2025

Universidad Peruana Cayetano Heredia

Audit of eighty-two (82) Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control - (CDC); (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners and (v) several U.S. universities

Additional notes to the evaluation of the internal control system of the Projects

For the period of twelve (12) months from January 1, 2024 to December 31, 2024

We evaluated the evidence related to the effectiveness in the design and operation of the internal control system implemented in the Research Projects funded by the Federal Funds of the United States of America, under the funding contracts and subcontracts signed between Universidad Peruana Cayetano Heredia and the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP; and (v) several U.S. universities; for which, we established the conditions of the internal control system and its operation during the twelve (12) months from January 1, 2024 to December 31, 2024.

The evaluation of the internal control system in place at the Projects' implementing unit for the year under audit has been conducted in order to show that the criteria defined by the Internal Control - Integrated Framework - COSO are followed and/or complied with in an adequate and timely manner in terms of:

- i. Control environment.
- ii. Risk assessment.
- iii. Management control activities.
- iv. Accounting and financial reporting system.
- v. Monitoring activities.

Our work consisted of the evaluation of:

(a) Organizational structure

- Projects have an installed capacity that basically comprises human and material resources and an information system, for which it has an organizational structure designed and structured in accordance with the activities it carries out, whose functions are duly delimited in the Organization and Functions Manual. We have verified that there is an adequate segregation of duties in place and that Projects personnel are qualified to perform the positions they occupy and that they are aware of the institutional objectives and goals (control environment).

Additional notes to the evaluation of the internal control system of the Projects (continued)

- Project-implementing institutions have established appropriate policies and procedures to minimize risks related to the effectiveness and efficiency of operations, the preparation and presentation of financial information, and compliance with laws and regulations (risk assessment and risk management).
 - Management control activities include the protection and safeguarding of assets, as well as access to computerized systems and data archiving maintained in the ERP Oracle Research Projects module (management control activity).
- (b) Evaluations and review of expenditures (procurement of goods, services and Contractual expenses of personnel)

We reviewed and evaluated the internal control implemented by Universidad Peruana Cayetano Heredia, over the implementation Contractual expenses for Research Projects, to obtain a sufficient understanding of the design of control policies and procedures, and whether those policies and procedures have been implemented.

Procurement of goods and services

The procurement and contracting processes for goods and services were examined within the framework of the funding contracts and subcontracts signed, which are called by the Logistics Area and controlled by the Accounting and Treasury Area. The purpose of this examination was to verify that the supporting documentation is duly supported by reliable vouchers and kept with the Institution's files, that they are duly authorized and correspond to Contractual expenses eligible under the contracts and are correctly accounted for.

Expenses in personnel

We verified contractual expenses derived from the hiring of personnel for the full or partially completed service provided to the Project, including salaries, social security, bonuses, vacations, employees' severance indemnities (CTS in Peru) and other labor benefits in accordance with Peruvian legislation in force.

We verified contractual expenses derived from the hiring of personnel in total or partial service of the Project, including salaries, social security, bonuses, vacations, CTS and other labor benefits in accordance with Peruvian legislation in force.

We verified that workers' salary payments are made on a monthly basis per each Research Project, delivering their respective payment slips required by labor legislation, complying with the payment of bonuses, compensation for time of service, vacations, Essalud contributions, among others. The imputation of the worker's salary varies according to whether he/she is an administrative or a researcher, since the administrative workers receive a fixed salary and the Researchers receive a fixed part and a variable part corresponding to the Research Projects in which he/she participates.

Additional notes to the evaluation of the internal control system of the Projects (continued)

We verified that social benefits payments were made: bonuses, compensation for time of service and vacations, on the corresponding dates and in the corresponding periods.

Withholdings for pension plans, insurance and taxes are made according to a detailed calculation and are paid to the entities that collect them (Pension Fund Administrators - AFPs and the National Superintendency of Customs and Tax Administration - SUNAT) within the deadlines established by the Peruvian labor legislation in force.

Universidad Peruana Cayetano Heredia keeps orderly files containing: personnel contracts, duly signed pay slips, with proof of payment of social benefits, proof of tax withholdings, social security fund payments, tax payments, payroll and social security payments.

We verified that the personnel files contain: staff hiring application, staff contract, contract checklist, single staff record, police record certificate, domiciliary certificate, copy of ID or foreigner's card, resume, copy of degrees and.

We verified that the personnel contracts, duly signed, are digitalized and archived in a folder synchronized to the cloud of the Universidad Peruana Cayetano Heredia.

We verified that the Contractual expenses of Travel are supported with settlements of accommodation, mobility and travel carried out only for personnel with an employment relationship with a list of supporting documents and their invoices, receipts and sworn statements.

(c) Results of the evaluation of the internal control system of the Projects as part of the Audit

Based on the results of the evaluation carried out on the use of the funds received for the implementation of the eighty-two (82) Research Projects financed by federal funds from the United States of America, through the financing contracts and subcontracts signed between the Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella, (iv) Health Security Partners - HSP and (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024, we have not found any situations that needs to be included in this report.

Report on evaluation of the University's compliance with the terms of the funding contract and subcontracts and applicable laws and regulations

To the Members of the University Board of Universidad Peruana Cayetano Heredia

1. We audited the accompanying consolidated fund accountability statement of the eighty-two (82) Research Projects (hereinafter, the Projects)) implemented by Universidad Peruana Cayetano Heredia (a nonprofit educational institution), funded with U.S. Federal Funds, under funding contracts and subcontracts signed by Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control - (CDC); (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP y (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024 and we have issued an unqualified audit opinion on such consolidated fund accountability statement dated August 7, 2025.
2. Except for not having a peer review quality control program, as stated in our report on the consolidated fund accountability statement, we performed our audit in accordance with Generally Accepted Government Auditing Standards (GAGAS) issued by the Comptroller General of the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated statement of expenses is free from material misstatements arising from significant deviations from the terms of the contracts and subcontracts, and applicable laws and regulations that may have a direct and material impact on the amounts reported in the consolidated fund accountability statement.
3. Universidad Peruana Cayetano Heredia, as an implementing unit, has complied with the terms of the funding subcontracts and laws and regulations applicable to the eighty-two (82) Research Projects (hereinafter, the Projects)) implemented by Universidad Peruana Cayetano Heredia (a nonprofit educational institution), funded with U.S. Federal Funds, under funding contracts and subcontracts signed by Universidad Peruana Cayetano Heredia with the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control - (CDC); (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP y (v) several U.S. universities. In obtaining reasonable assurance about whether the consolidated fund accountability statement is free of material misstatements, we performed tests on the University's compliance with the terms of the subcontracts, and applicable laws and regulations. However, our purpose was not to express an opinion on the general overall compliance with those terms. Accordingly, we express no such opinion. We also performed tests on the University's compliance with on the Projects' contracts and subcontracts with certain laws and regulations applicable to

Report on evaluation of the University's compliance with the terms of the funding contract and subcontracts and applicable laws and regulations (continued)

counterparty contributions. The results of our tests of compliance did not disclose any instance of noncompliance that should be reported under U.S. Government Auditing Standards.

Countersigned by:

Luis Acosta Peche & Asociados S. Civil de R. L.

Luis R. Acosta Peche

(Partner)

Peruvian Certified Public Accountant

Registration N° 14042

Lima, Peru

August 7, 2025

Universidad Peruana Cayetano Heredia

Audit of eighty-two (82) Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia and the following funding institutions: (i) National Institute of Health - NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP and (v) several U.S. universities

Additional notes to the report on compliance with the terms of financing contracts and subcontracts, applicable laws and regulations

For the twelve (12) months from January 1, 2024 to December 31, 2024

In conducting an evaluation of compliance with the terms of applicable contracts, subcontracts, laws and regulations, we plan to execute audit procedures, which provide reasonable assurance of detecting cases of intentional or unintentional non-compliance with the terms of the contracts and subcontracts, regulations and applicable laws that could have a significant effect on the consolidated statement of expenses. Such procedures were determined in our opinion and on a sample basis and were as follows:

- We identified contractual clauses, which, in our opinion, were not complied with, may have a direct and significant effect on the consolidated fund accountability statement.
- We assessed the inherent risk and control over the occurrence of a significant breach of contract.
- We verified whether payments have been made in accordance with the terms of applicable contracts, subcontracts, laws and regulations.
- We determined on a sample whether the funds have been spent for unauthorized purposes or are not in accordance with the applicable terms of the subcontracts.
- We verified whether the Contractual expenses incurred by the Research Projects have been authorized and/or endorsed by the Principal Researcher, properly presenting the documentation that supports them.
- We verified that the internal controls applied by the Universidad Peruana Cayetano Heredia for the acquisition of goods and services have been complied with in accordance with the levels of approval and minimum required number of quotes.
- We validated that there are contracts for the acquisition of a good or service, that the established deadlines are met and that there is a conformity of the service or receipt of the good.
- We verified the existence of original payment receipts (invoices, receipts, tickets, others).
- We verified if the submissions to be rendered by the Research Projects have been authorized and/or endorsed by the Principal Researcher, duly presenting the documentation that supports them.
- We validated that the deadlines established in the subcontract have been met, for the presentation of the operational reports to the funding Institution.

Additional notes to the report on compliance with the terms of financing contracts and subcontracts, applicable laws and regulations (continued)

- We verified compliance with the submission of operational and financial reports to the financing entities through the FFR - Federal Financial Reporting format, through the PMS system.
- We verified that the calculation of the Overhead (indirect cost), is in accordance with the guidelines established in the financing contracts and subcontracts, has been transferred to the indirect cost centers and used for the purposes established according to the directives of the Universidad Peruana Cayetano Heredia.
- We verified compliance with the regulations in the classification of assets to Contractual expenses Mayres at US\$5,000; Others Contractual expenses are considered as supplies.
- We reviewed the procedure for opening Projects and that the start dates match the financing contracts and subcontracts.
- We reviewed contracts, subcontracts and addenda to determine the closing date of each of the Research Projects.

Based on the results of our evaluation on the use of the funds received for the execution of the eighty-two (82) Research Projects financed by federal funds of the United States of America, through the financing contracts and subcontracts signed between the Universidad Peruana Cayetano Heredia and the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella, (iv) Health Security Partners - HSP y (v) several U.S. universities, for the period of twelve (12) months from January 1, 2024 to December 31, 2024, we have not noted situations that may need to be included in this report.

Universidad Peruana Cayetano Heredia

Audit of eighty-two (82) Research Projects funded with U.S. Federal Funds under contracts and subcontracts signed between Universidad Peruana Cayetano Heredia and the following funding institutions: (i) National Institute of Health- NIH; (ii) Center of disease Control; (iii) Navsup Fleet Logistics Support Center Sigonella; (iv) Health Security Partners - HSP y (v) several U.S. universities

Follow-up on opportunities for improvement and recommendations arising from prior year audits

Below are the recommendations for improvement opportunities resulting from previous years' audits and their current status:

	Observation	Action taken by the University	Current status																																
	2023																																		
1.	<p>Dates stated in contracts and/or sub-contracts of Projects other than the dates reported in the statements of expenses</p> <p>As a result of the review of the information reported in the consolidated statement of expenses, we have shown that the completion dates of certain Projects are not the same as those stated in the addenda. This situation is due to the fact that the General Administration of Projects has not implemented a directive referring to the timely updating of the data in the computer system for each Project, caused by the modifications (extensions, reductions, scope, etc.) to the contracts via addenda. It should be noted that to date the Administrators of the identified Projects proceeded to update the date in the ERP ORACLE-PM.</p> <p>The cases identified are presented below:</p> <table><tr><th rowspan="2">N° Proyecto</th><th colspan="2">Fecha de término del Proyecto</th></tr><tr><th>Según sistema Oracle</th><th>Según adendas</th></tr><tr><td>Proyecto 94</td><td>30/06/2024</td><td>30/06/2027</td></tr><tr><td>Proyecto 79</td><td>30/06/2024</td><td>29/09/2024</td></tr><tr><td>Proyecto 60</td><td>3/06/2024</td><td>31/05/2024</td></tr><tr><td>Proyecto 23</td><td>30/06/2023</td><td>14/06/2023</td></tr><tr><td>Proyecto 61</td><td>14/06/2026</td><td>15/04/2026</td></tr><tr><td>Proyecto 84</td><td>30/04/2023</td><td>31/01/2023</td></tr><tr><td>Proyecto 46</td><td>1/03/2023</td><td>31/12/2027</td></tr><tr><td>Proyecto 35</td><td>4/11/2018</td><td>28/02/2023</td></tr><tr><td>Proyecto 18</td><td>31/05/2026</td><td>31/05/2028</td></tr></table>	N° Proyecto	Fecha de término del Proyecto		Según sistema Oracle	Según adendas	Proyecto 94	30/06/2024	30/06/2027	Proyecto 79	30/06/2024	29/09/2024	Proyecto 60	3/06/2024	31/05/2024	Proyecto 23	30/06/2023	14/06/2023	Proyecto 61	14/06/2026	15/04/2026	Proyecto 84	30/04/2023	31/01/2023	Proyecto 46	1/03/2023	31/12/2027	Proyecto 35	4/11/2018	28/02/2023	Proyecto 18	31/05/2026	31/05/2028	<p>The General Administration of the Universidad Peruana Cayetano Heredia, updated the dates and has developed a diagrammed office PPT slide presentation, which specifies the opening and modification of data in the ORACLE ERP, with the update of all information related to the opening, and modification of data in research projects. The procedure described is in the process of approval and dissemination to administrators. The Administration estimates that it will enter the Testing Phase before the end of 2024. Although this is a procedural and nonmaterial observation, it is being implemented as described</p>	Implemented.
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Follow-up on opportunities for improvement and recommendations arising from prior year audits (continued)

	Observation	Action taken by the University	Current status																		
2.	<p>Some Projects have not been assigned with specific project managers</p> <p>During the course of our audit, certain delay has occurred in the delivery of accounting information by the University, mainly due to the fact that some Research Projects did not have an Administrator exclusively designated to take care of a given project, or otherwise, designate the Researcher to take charge of managing duties.</p> <p>A Major cases identified:</p> <table> <tr> <th>N° Proyecto</th> <th colspan="2">Importe ejecutado</th> </tr> <tr> <td></td> <th>US\$</th> <th>S/</th> </tr> <tr> <td>Proyecto 86 Nih-Receptores Huérfanos</td> <td>18,875</td> <td>70,077</td> </tr> <tr> <td>Proyecto 56 Multidisciplinary Training Program on Neuropsychiatry and behavioral disorders in First Nations (NEUFIN)</td> <td>80,127</td> <td>299,805</td> </tr> <tr> <td>Proyecto 2 Program for advanced research capacities for AIDS in Perú (Paracas) harnessing implementation science</td> <td>229,604</td> <td>857,444</td> </tr> <tr> <td>Proyecto 57 Isolation and identification of CXCR4 and CXCR7 agonists from traditional phytopharmaceuticals as potential novel drugs for mental disorders</td> <td>41,897</td> <td>157,692</td> </tr> </table>	N° Proyecto	Importe ejecutado			US\$	S/	Proyecto 86 Nih-Receptores Huérfanos	18,875	70,077	Proyecto 56 Multidisciplinary Training Program on Neuropsychiatry and behavioral disorders in First Nations (NEUFIN)	80,127	299,805	Proyecto 2 Program for advanced research capacities for AIDS in Perú (Paracas) harnessing implementation science	229,604	857,444	Proyecto 57 Isolation and identification of CXCR4 and CXCR7 agonists from traditional phytopharmaceuticals as potential novel drugs for mental disorders	41,897	157,692	<p>Currently, all projects are assigned a responsible administrator. However, in four specific cases, the administration is still managed by the researchers. This year, we have started a systematic process to gradually transfer the administration of the funds from the researchers to specialized administrators. Part of this process includes the percentage allocation of the time commitment, thus ensuring a reasonable and technically defined workload. In addition, we are implementing controls so that all new projects include in their budget the allocation of an administrator. This process is ongoing and is expected to be completed by the end of the year.</p>	Implemented.
N° Proyecto	Importe ejecutado																				
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3.	<p>Difference arising between the data shown in the Project Management Modules and Accounting Module</p> <p>From October 1, 2023, the University acquired a new Oracle Cloud ERP, composed of different modules and within which there is GL (General Ledger) and Project Management (PM - Project Management), both modules process the information with the following parameters:</p>	<p>We consider this observation to be procedural and not material in nature.</p>	Implemented.																		

Follow-up on opportunities for improvement and recommendations arising from prior year audits (continued)

	Observation	Action taken by the University	Current status														
	<table><tr><td>PM (módulo de proyectos)</td><td>GL (módulo contable)</td></tr><tr><td></td><td></td></tr><tr><td>Número de proyecto</td><td>Número de proyecto</td></tr><tr><td>Tarea (partida presupuestal)</td><td>-----</td></tr><tr><td>Tipo de gasto (cuenta contable)</td><td>Cuenta contable</td></tr><tr><td>Moneda en S/ y US\$</td><td>-----</td></tr><tr><td>-----</td><td>Moneda en S/</td></tr></table> <p>As shown in the table above, the main differences between the two modules are: the budget item and types of currencies; consequently, the General Administration must carry out a reconciliation between both modules for the issuance of the statement of expenses reports of each Project, which are presented to the cooperating entities as well as to the external reviewers (audit) in US dollars and differentiated by affected budget item. In this regard, the process of said reconciliation to be carried out has not been formally established as a methodology for the preparation of the fund accountability statement on each reporting date.</p>	PM (módulo de proyectos)	GL (módulo contable)			Número de proyecto	Número de proyecto	Tarea (partida presupuestal)	-----	Tipo de gasto (cuenta contable)	Cuenta contable	Moneda en S/ y US\$	-----	-----	Moneda en S/		
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Moneda en S/ y US\$	-----																
-----	Moneda en S/																
	2016																
4.	Cost of personnel in Research Projects	The University, in coordination with the Department of Systems and Computer Science, has developed a module for assigning tasks, approving the activities carried out and respective control; this module is internally developed under the formats established by the National Institute of Health (NIH); This module will enter test mode in a white march plan, starting in September 2024, with the intention of identifying faults to be corrected in a timely manner.	Implemented.														