

## **UNIVERSIDAD PERUANA CAYETANO HEREDIA**

Research projects funded by federal funds of the United States of America, through contracts and subcontracts subscribed between Universidad Peruana Cayetano Heredia and National Institute of Health (NIH) and universities of the United States of America, respectively, for the period from 1 January 2019 to 31 December 2019.

## **UNIVERSIDAD PERUANA CAYETANO HEREDIA**

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Audit Report to the Statements of Expenditures for the period from 1 January 2019 to 31 December 2019.

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US\$ = U.S. dollar

## I. INDEPENDENT AUDITOR'S REPORT

### To the Members of the University Council of Universidad Peruana Cayetano Heredia

1. We have audited the Statements of Expenditures of seventy eight Research Projects (hereinafter referred to as the Projects) of **Universidad Peruana Cayetano Heredia** (an educative non-profit entity), which are funded by federal funds of the United States of America, through contracts and subcontracts between Universidad Peruana Cayetano Heredia and the National Institute of Health (hereinafter referred to as NIH) and other Universities of the United States of America, respectively, for the period from 1 January 2019 to 31 December 2019.

#### **Responsibility of the Administration Directorate General for the Statements of Expenditures**

2. The Administration Directorate General of **Universidad Peruana Cayetano Heredia** is responsible of the preparation and reasonable presentation of these Statements of Expenditures in accordance with the execution/expense basis. This responsibility includes: designing, implementing and maintaining the internal control relevant for the preparation and fairly presentation of the statements of expenditures that are free from material misstatement, whether due to fraud or error.

#### **Auditor's Responsibility**

3. Our responsibility is to express an opinion on these Statements of expenditures of each Research Project based on our audit. Our audit was performed in accordance with the Generally Accepted Government Auditing Standards of North America (GAGAS), the compliance supplement of the Office of Management and Budget – OMB –) of the United States of America – Circular A 133 and the International Auditing Standards (IAS). Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the statements of expenditures are free from material misstatement.

## Independent auditor's report (continued)

### Internal Control Compliance Report

4. The Administration Directorate General of Universidad Peruana Cayetano Heredia is responsible of establishing and keeping an effective internal control. When planning and performing our audit, we consider the internal control that may have a direct and material effect on the expenditures to determine the appropriate procedures in the performance of our review, based on which we will be able to provide an opinion regarding the compliance of the internal control in accordance with Circular OMB A-133.

In our opinion, based on our review of internal control we do not identify any significant deficiencies in accordance with Circular OMB A-133; for the period from 1 January 2019 to 31 December 2019.

### Opinion

5. In our opinion, the Statements of expenditures present fairly, in all material aspects, the financial position of the Research Projects, executed by Universidad Peruana Cayetano Heredia and funded directly by National Institute of Health (NIH) and indirectly by NIH through Universities in the United States of America, these are required by the federal entity of the United States of America - National Institute of Health (NIH) based in Circular OMB A-133, for the period from January 1, 2019 to December 31, 2019.

Countersigned by:



**Marco G. Morales** (Partner)  
Peruvian Certified Public Accountant  
Registration N° 41412

*Panez, Chacaliza y Asociados Sociedad Civil de R.L.*

July 15, 2021

Lima, Peru

# UNIVERSIDAD PERUANA CAYETANO HEREDIA

**Notes to the Statements of Expenditures of the Research Projects funded by federal funds of the United States of America, through direct contracts with National Institute of Health (NIH) and indirectly with NIH through Universities in the United States of America.**

**For the period from 1 January 2018 to 31 December 2019**

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## II. INTRODUCTION

This report present the audit results of the following Research Projects, for the period from January 1, 2019 to December 31, 2019:

- Project 1: Improving diagnostic and management tolls for neurocysticercosis (Peru-JHU TMRC program).
- Project 2: Combined albendazole and praziquantel in subarachnoid NCC, CCC, Lead application Z.
- Project 3: Transversal study to detect cases of subaracnoidea neurocysticercosis at community level.
- Project 4: Training in infectious diseases in Perú - time for capacity strengthening in clinical research (training in parasitic diseases and central nervous system infections).
- Project 5: Paracas: Program for advanced research capacities for aids in Perú.
- Project 6 : HIV prevention and care for Peruvian MSM and transgender women.
- Project 7: 1/2-regional geohealth hub centered in Peru - Peru
- Project 8: International prospective observational cohort study of sika in infants and pregnancy (zip study) Z.
- Project 9: Strengthening and consolidating resources for VIH prevention in the Peruvian military.
- Project 10: Patient-centered intervention to prevent tuberculosis among children < 5 years old.
- Project 11: Prevalence and incidence of neonatal HSV (herpes simplex) in pre-term infants.
- Project 12: Syphilis immunology and biology to improve clinical management and vac.
- Project 13: Peru infectious diseases epidemiology research training consortium.
- Project 14: Kuskaya: an interdisciplinary training program for innovation in global health.
- Project 15: Translational research development for endemic infectious diseases of Amazonia.
- Project 16: Placental colonization by treponema pallidum, congenital syphilis & novel vaccine.
- Project 17: Use of bisphosphonates to reduce the calcification process in animal models of cysticercosis.
- Project 18: Improving participation in vector controls campaigns through behavioral economics.
- Project 19: Translational research development for endemic infectious diseases of amazonia.
- Project 20: The effect of strongyloides stercoralis on HTLV-1 disease progression.
- Project 21: Tuberculosis trials consortium (TBTC).
- Project 22: Tod@s (transforming ourselves through dialogue, organizing, and service): an anti-violence program for transgender people in Perú.
- Project 23: Transmission dynamics of residual malaria in the amazon: defining a roadmap to malaria elimination
- Project 24: Alternative therapeutic approaches for the control of brain inflammation secondary to antihelminthic.

- Project 25: Liver cystic echinococcosis: pre-clinical assessment of a novel, single step percutaneous treatment procedure (intracystic albendazole sulfoxide injection).
- Project 26: Disrupting vector-borne disease transmission in complex urban environments.
- Project 27: Natural infection of norovirus and sapovirus in a birth cohort in a Peruvian periurban community.
- Project 28: Demonstration project to apply the principles and practices of the universal prevention curriculum (UPC) to schools in Perú 2 years.
- Project 29: Infectious diseases training program in bolivia: south - south training with Perú.
- Project 30: University of california global health institute program for fellows and scholars.
- Project 31: Novel nanoparticulate diagnostics for cerebral toxoplasmosis and chagas in hiv patients living in Latinoamerica.
- Project 32: Combined albendazole plus praziquantel in subarachnoid NCC, DCC application.
- Project 33: The eating behaviour with sugar of the vector of malaria nyssorhynchus darlingi and the development of bait of attractive toxic sugar.
- Project 34: Inter-american training for innovations in emerging infectious diseases.
- Project 35: Fogarty global health fellows coordinating center (the ujmt global consortium: building research capacity through mentored training).
- Project 36: Chaka: strengthening research support structures in the andean region.
- Project 37: 2/2 - regional geohealth hub centered in Perú – US.
- Project 38: Household air pollution and health: a multicountry lpg intervention trial
- Project 39: Building sustainable and innovative research in cancer and cardiovascular disease: planning the design and development of the south american center of research excellence to counter ncDs (sacren).
- Project 40: NIH - orphan recipients.
- Project 41: Ccasanet: caribbean, central and south america network.
- Project 42: Close the gap between the identification and the treatment of cervical anomalies in Lima.
- Project 43: Addressing the global burden of leptospirosis in two endemic countries.
- Project 44: Iquitos insectary and transmission biology.
- Project 45: Multidisciplinary training program on neuropsychiatry and behavioral disorders in first nations (neufin).
- Project 46: Peruvian/Brazilian amazon center of excellence in malaria (transmission dynamics of residual malaria in the amazon).
- Project 47: International cohort study of children born to women infected with zika virus during pregnancy
- Project 48: Molecular epidemiology of salmonella isolated resistant to bird production as contamination risk to the human in Lima, Peru.
- Project 49: Universal biomarkers for plasmodium vivax exoerythrocytic infection.
- Project 50: Latin america treatment & innovation network in mental health (latin-mh).
- Project 51: Immunology of asymptomatic malaria and the effects of immunity on plasmodium transmission.
- Project 52: Spatiotemporal adaptation of anopheles darlingi in diverse ecological settings.
- Project 53: Ictus: Interdisciplinary cerebrovascular diseases training program in south America.
- Project 54: Sexual education for teenagers.
- Project 55: Characterization of hippocampal sclerosis in individuals with calcified neurocysticercosis.
- Project 56: Enabling infectious disease research capacity in the Peruvian amazon.
- Project 57: Planning to establish a regional center of NCD research training in Perú.
- Project 58: Addressing the global burden of leptospirosis in two endemic countries.
- Project 59: Amazonian center of excellence in malaria research (immunology of asymptomatic malaria and the effects of immunity on plas).
- Project 60: An immune system for the city: a new paradigm for control of urban disease vectors

Project 61: Peruvian/Brazilian amazon center of excellence in malaria (spatiotemporal adaptation of anopheles darlingi in diverse ecological).

Project 62: Hiv risk and psychosocial health among transgender women in Perú

Project 63: Amazonian center of excellence in malaria research (core b - data management).

Project 64: Statistical methods for correlated outcome and covariate errors in studies of HIV/AIDS.

Project 65: Markers of tricloabendazole resistant fascioliasis the highlands of Perú

Project 66: Predicting risk of human leptospirosis by environmental surveillance.

Project 67: Predictors of cardiomyopathy progression in a chagas disease cohort in Bolivia.

Project 68: Core B data management.

Project 69: Optimizing ring screening strategy for control of taenia solium infection.

Project 70: Closeness to mortality related to the HTLV-1 infection in Peru.

Project 71: Paracas Award: Consulting effectivity in nurse in the improvement of haart adherence in patients with hiv and alcohol consumption behavior.

Project 72: Socio-technical approach of systems to improve the diagnosis of tuberculosis through the use of mobile technologies in health.

Project 73: Clinic follow up of patients with HIV that restart the antiretroviral treatment after abandonment.

Project 74: Barriers and facilitators for the Access of health in Peru in Venezuelan migrants.

Project 75: Evaluation of urgencies, emergencies and essential neurosurgical in Peru.

Project 76: Impact in children regarding environmental mercury and human exposure.

Project 77: Description of the responsibilities of filial care and the retention in care in people with HIV infection treated in a reference hospital of Lima, Peru.

Project 78: Evaluation of the design and use of a visualization tool of dengue fever vulnerability.

Project 79: Prevalence of vertebral fracture and low bone mineral density in peruvian women with HIV.

Project 80: Use of mobile technology to accelerate the beginning of the antiretroviral treatment in a hospital of Lima, Peru.

Project 81: Effectivity of the intervention with text message in the collection of medicine and retention in care of Young adults living with HIV in a hospital of Lima.

Project 82: Impact of fascioliasis among children in the Peruvian highlands.

Project 83: Situation analysis of the sexual and reproductive health in pregraduate medical education: the case of one university in Lima, Peru.

Project 84: An analysis of the social network of obesity in the north of Peru: Summary of the Project for the Global Health Scholars Program.

### III. GENERAL INFORMATION OF THE RESEARCH PROJECTS

#### 3.1 Legal incorporation of Universidad Peruana Cayetano Heredia

The Universidad Peruana Cayetano Heredia was created by Supreme Decree N° 018 dated 22 September 1961. It is a non-state and non-profit private University. Its main purpose is to provide superior education, promote and spread scientific research in all fields and prepare students in the professional field, as well as promoting a university extension labor. It is governed by the new University Law 30220 and its complementary standards, bylaws, regulations and leadership.

#### 3.2 Research projects' funding

The funding of these Research Projects comes from federal funds of the United States of America, specifically from the National Institute of Health - NIH, through contracts and subcontracts with Universidad Peruana Cayetano Heredia. These fundings are performed in two ways: directly between UPCH and NIH; and indirectly, through a subcontract where

NIH finances a university in the United States of North America which at the same time subcontracts the research services of UPCH. The duration of our review is from 1 January 2019 to 31 December 2019.

### **3.3 Consolidated Statements of expenditures of the Research Projects**

We present the consolidated statement of Expenditures of the Research Projects (\*) as follows.

(\*) According to the details provided in the Research Projects, these have different annual budget duration, therefore it is not possible to perform a comparison between budget versus implementation. Consequently, we present the expenditures executed in accordance to the previously indicated in the Terms of Reference in the period from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## CONSOLIDATED STATEMENT OF EXPENDITURES

From the Research Projects funded by federal funds of the United States of America, under contracts and subcontracts subscribed between Universidad Peruana Cayetano Heredia and the funding bodies.

For the period from 1 January 2019 to 31 December 2019.

	Direct Costs						Indirects Costs		Total	
	Employees Benefits US\$	Consultancies US\$	Training US\$	Equipment and/or Supplies US\$	Contract Expenses US\$	Travel Expenses US\$	Others US\$	Laboratory services US\$	US\$	
<b>Research Projects</b>										
Project 1	292,448	20,300	1,125	70,191	65,268	24,504	28,476	3,263	36,820	542,394
Project 2	245,605	5,590	-	67,251	27,738	25,685	27,922	106,387	323	506,501
Project 3	144,147	151	4,000	14,597	-	23,469	28,461	118,552	25,148	358,525
Project 4	90,682	3,106	112,586	48,673	23,283	23,251	20,976	10,270	17,081	349,908
Project 5	71,395	14,090	103,571	5,730	132,938	5,571	14,110	-	862	348,267
Project 6	164,198	21,404	-	7,853	-	14,482	52,777	27,254	27,900	315,868
Project 7	92,792	11,114	-	4,334	123,980	16,936	16,561	-	14,116	279,834
Project 8	64,973	-	-	11,640	166,182	2,704	9,967	151	5,673	261,290
Project 9	101,758	18,504	319	39,568	-	19,891	24,378	166	19,284	223,868
Project 10	112,125	1,345	18,105	4,252	-	9,128	10,099	-	14,959	170,013
Project 11	147,267	111	-	5,940	-	1,241	8,259	1,143	5,742	169,703
Project 12	63,118	12,170	-	47,873	-	3,817	16,248	11,351	9,219	163,796
Project 13	43,968	211	69,534	11,667	-	6,102	9,988	831	5,810	148,111
Project 14	45,615	3,089	21,575	45,485	4,124	6,286	14,450	309	111	141,044
Project 15	24,573	905	46,198	9,927	-	29,696	14,812	1,415	11,812	139,338
Project 16	95,737	-	-	3,741	-	10,018	5,798	248	8,785	124,327
Project 17	62,223	6,000	680	14,330	-	7,690	22,391	136	9,708	123,158
Project 18	78,382	15,271	-	1,069	-	4,503	12,333	-	9,929	121,487
Project 19	36,033	3,600	13,086	20,521	-	16,141	27,714	-	78	117,173
Project 20	81,690	4,500	1,394	9,305	-	3,187	3,066	3,068	5,507	111,717

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## CONSOLIDATED STATEMENT OF EXPENDITURES

From the Research Projects funded by federal funds of the United States of America, under contracts and subcontracts subscribed between Universidad Peruana Cayetano Heredia and the funding bodies.

For the period from 1 January 2019 to 31 December 2019.

	Direct Costs						Indirects Costs		Total	
	Employees Benefits	Consultancies	Training	Equipment and/or Supplies	Contract Expenses	Travel Expenses	Laboratory services			
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	
<b>Research Projects</b>										
Project 21	48,499	19,918	-	1,706	-	13,043	4,983	5,326	10,126	103,601
Project 22	58,371	12,811	-	126	-	1,279	14,574	3,128	5,991	96,280
Project 23	44,834	1,322	190	8,664	-	18,266	16,619	853	4	90,752
Project 24	47,506	-	325	14,678	-	2,648	13,853	941	4,818	84,769
Project 25	51,131	2,500	-	11,314	-	8,809	3,467	-	6,043	83,264
Project 26	48,268	11,454	-	1,576	-	2,942	6,833	-	5,776	76,849
Project 27	47,688	-	-	4,185	-	893	7,685	-	13,286	73,737
Project 28	43,547	3,133	-	-	-	4,309	13,898	-	5,786	70,673
Project 29	20,055	-	33,136	533	-	5,363	6,109	-	4,385	69,581
Project 30	3,949	-	36,244	5,219	-	5,373	14,164	465	2,091	67,505
Project 31	43,866	800	-	8,640	-	769	2,043	4,816	4,755	65,689
Project 32	27,244	-	585	2,008	14,280	5,485	5,591	-	1,051	56,244
Project 33	30,644	-	4,000	3,330	-	10,020	7,709	177	3	55,883
Project 34	6,088	6,000	-	17,817	-	1,341	14,090	-	8,252	53,588
Project 35	3,617	-	24,685	11,003	-	96	6,203	1,626	5,472	52,702
Project 36	45,230	355	-	481	-	2,056	2,568	-	35	50,725
Project 37	-	-	26,020	1,060	-	11,190	8,701	-	2,529	49,500
Project 38	39,451	-	-	-	-	1,286	9	-	4,867	45,613
Project 39	25,117	-	-	15	-	10,639	3,149	-	6,138	45,057

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## CONSOLIDATED STATEMENT OF EXPENDITURES

From the Research Projects funded by federal funds of the United States of America, under contracts and subcontracts subscribed between Universidad Peruana Cayetano Heredia and the funding bodies.

For the period from 1 January 2019 to 31 December 2019.

	Direct Costs							Indirects	Total	
	Employees	Consultancies	Training	Equipment	Contract	Travel	Laboratory	Costs		
	Benefits			and/or	Expenses	Expenses	services			
	US\$	US\$	US\$	Supplies	US\$	US\$	US\$	US\$	US\$	US\$
<b>Research Projects</b>										
Project 40	15,563	3,123	-	3,436	-	17,713	1,213	-	1,887	42,935
Project 41	22,833	7,244	-	368	-	-	561	5,309	2,908	39,223
Project 42	36,001	-	-	-	-	-	72	-	2,011	38,084
Project 43	28,038	-	-	1,798	-	2,387	927	230	3,546	36,926
Project 44	9,824	-	1,250	2,080	-	415	23,000	-	-	36,569
Project 45	6,106	-	12,539	22	-	13,844	430	-	3,556	36,497
Project 46	29,450	1,045	-	140	-	64	2,143	-	3,181	36,023
Project 47	20,200	-	-	1,936	10,312	107	41	-	1,537	34,133
Project 48	527	-	8,013	6,050	-	5,940	8,044	1,492	3,475	33,540
Project 49	-	-	14,974	209	-	3,873	4,627	301	3,431	27,415
Project 50	20,596	-	-	-	-	1,834	4,791	-	-	27,221
Project 51	7,465	-	190	1,763	-	7,446	5,596	488	2	22,950
Project 52	10,381	-	-	2,174	-	930	9,130	38	-	22,653
Project 53	15,262	-	4,132	-	-	-	-	-	2,182	21,576
Project 54	9,153	8,967	-	11	-	118	269	1,060	7	19,585
Project 55	-	-	-	-	-	16,912	-	-	1,276	18,188
Project 56	9,853	-	-	-	-	721	-	-	691	11,265
Project 57	8,016	-	-	-	-	2,179	91	-	901	11,187

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## CONSOLIDATED STATEMENT OF EXPENDITURES

From the Research Projects funded by federal funds of the United States of America, under contracts and subcontracts subscribed between Universidad Peruana Cayetano Heredia and the funding bodies.

For the period from 1 January 2019 to 31 December 2019.

	Direct Costs							Indirects	Total	
	Employees	Consultancies	Training	Equipment	Contract	Travel	Others	Laboratory		
	Benefits			and/or	Expenses	Expenses		services	Costs	
US\$	US\$	US\$	Supplies	US\$	US\$	US\$	US\$	US\$	US\$	
<b>Research</b>										
<b>Projects</b>										
Project 58	8,559	-	-	1,012	-	753	51	-	-	10,375
Project 59	7,795	-	-	761	-	240	478	184	836	10,294
Project 60	1,932	-	-	1,400	-	822	2,714	-	3,231	10,099
Project 61	9,271	-	-	-	-	-	-	-	-	9,271
Project 62	7,392	-	-	22	-	89	-	115	-	7,618
Project 63	6,579	-	-	31	-	627	371	-	-	7,608
Project 64	6,724	-	-	-	-	-	-	-	481	7,205
Project 65	3,380	-	-	3,391	-	-	318	-	1	7,090
Project 66	-	-	-	-	-	-	42	-	6,408	6,450
Project 67	3,052	-	-	-	-	-	-14	-	3,283	6,321
Project 68	4,769	-	-	557	-	-	165	-	-	5,491
Project 69	809	-	-	3,052	-	37	668	-	-	4,566
Project 70	3,235	690	-	49	-	12	-	-	-	3,986
Project 71	1,073	540	-	-	-	-	672	-	-	2,285
Project 72	-	-	-	-	-	228	454	395	735	1,812
Project 73	1,659	-	-	-	-	-	-	-	-	1,659
Project 74	-	-	-	277	-	246	887	-	1	1,411
Project 75	-	-	-	-	-	1,373	-	-	-	1,373

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

### CONSOLIDATED STATEMENT OF EXPENDITURES

From the Resarch Projects funded by federal funds of the United States of America, under contracts and subcontracts subscribed between Universidad Peruana Cayetano Heredia and the funding bodies.

For the period from 1 January 2019 to 31 December 2019.

	Direct Costs							Indirects	Total
	Employees Benefits	Consultancies	Training	Equipment and/or Supplies	Contract Expenses	Travel Expenses	Others	Costs	
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$
<b>Research Projects</b>									
Project 76	-	-	-	-	-	279	1,035	-	1,314
Project 77	1,293	-	-	-	-	-	-	-	1,293
Project 78	-	-	-	-	-	-	-	1,240	1,240
Project 79	-	-	-	35	-	-	24	1,161	1,220
Project 80	891	-	-	-	-	-	-	-	891
Project 81	389	-	-	-	-	-	-	-	389
Project 82	-	-	-	-	-	-	-	195	195
Project 83	-	-	-	-	-	-	33	-	33
Project 84	-	-	-	-	-	-	-	25	25

**3.4 Individual statements of expenditures of the Research Projects**

The statements of expenditure corresponding to the management from 1 January 2019 to 31 December 2019 funded directly or indirectly by NIH, are the following:

**Project 1****UNIVERSIDAD PERUANA CAYETANO HEREDIA****STATEMENT OF EXPENDITURE****Improving diagnostic and management tolls for neurocysticercosis (Peru -JHU TMRC Program)**

**Research Project funded by federal funds or the United States of America, under direct contract with Institute National of Health – NIH.**

**For the period from 1 January 2018 to 31 December 2019**

**Researcher: Dr. García Lescano, Hector Hugo**

	<b>Project Execution (*)</b>
	<b>US\$</b>
<b>Direct costs</b>	
Employees' benefits	292,448
Training	1,125
Travel expenses	24,505
Consulting	20,300
Equipment and/or supplies	70,191
Laboratory and patient care services	3,263
Contract expenses	65,267
Other	28,476
<b>Total direct costs</b>	<b>505,574</b>
<b>Total indirect costs - Overhead</b>	<b>36,820</b>
<b>Total Costs</b>	<b>542,394</b>

Project execution period: From April 2017 to March 2022.

Project General Objective: The objective of this project is to develop 3 research projects and 3 operational units to provide a fully functional research network, as well as take advantage of the UPCH research network in Peru in this endemic disease.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Combined albendazole and praziquantel in subarachnoid NCC, CCC, lead application

Research Project funded by federal funds of the United States of America, under subcontract with National Institute Of Health - NIH.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	245,605
Training	25,685
Travel expenses	5,590
Consulting	67,251
Laboratory and patient care services	106,387
Contract expenses	27,738
Other	27,922
<b>Total direct costs</b>	<b>506,178</b>
<b>Total indirect costs - Overhead</b>	<b>323</b>
<b>Total costs</b>	<b>506,501</b>

Project execution period: From September 2015 to July 2020.

Project General Objective: The objective of this project is to show the progressive advances of the Albendazole (ABZ) treatment combined with the Praziquantel (PZQ) in patients with the Neurocisticercosis (NCC) disease.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Transversal study to detect cases of subaracnoidea neurocysticercosis at community level

Research Project funded by federal funds of the United States of America, under subcontract with Oregon Health & Science University.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Garcia Lescano, Hector Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	144,147
Training	4,000
Travel expenses	23,469
Consulting	151
Equipment and/or supplies	14,597
Laboratory and patient care services	118,552
Other	28,461
<b>Total direct costs</b>	<b>333,377</b>
<b>Total indirect costs - Overhead</b>	<b>25,148</b>
<b>Total costs</b>	<b>358,525</b>

Project execution period: From July 2018 to June 2023.

Project General Objective: The objective of this research is to validate a new screening test for the antigen detection (AG) in urine for NCCSA in an endemic population, with confirmation through brain magnetic resonance, to understand the underlying prevalence of NCCSA and the performance of community level test.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Training in infectious diseases in Perú - time for capacity strengthening in clinical research (training in parasitic diseases and central nervous system infections)**

Research Project funded by federal funds or the United States of America, under direct contract with National Institute of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano, Hector Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	90,682
Training	112,586
Travel expenses	23,251
Consulting	3,106
Equipment and/or supplies	48,673
Laboratory and patient care services	10,270
Contract expenses	23,283
Other	20,976
<b>Total direct costs</b>	<b>332,827</b>
<b>Total indirect costs - Overhead</b>	<b>17,081</b>
<b>Total Costs</b>	<b>349,908</b>

Project execution period: From July 1999 to February 2021.

Project General Objective: The objective of this project is to develop and train the students in short-term, medium-term and long-term programs, both abroad and in Peru, providing training in infectious diseases.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Paracas: program for advanced research capacities for aids in Peru

Research Project funded by federal funds or the United States of America, under direct contract with Institute National of Health - NIH.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gotuzzo Herencia, Jose Eduardo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	71,395
Training	103,571
Travel expenses	5,571
Consulting	14,090
Equipment and/or supplies	5,730
Contract expenses	132,938
Other	14,110
<b>Total direct costs</b>	<b>347,405</b>
<b>Total indirect costs - Overhead</b>	<b>862</b>
<b>Total Costs</b>	<b>348,267</b>

Project execution period: From August 2014 to May 1, 2019.

**Project General Objective:** The objective of this project is to consolidate a mature framework of research training of HIV in Universidad Peruana Cayetano Heredia (UPCH), in which young or mid-career health top researchers reach scientific autonomy when providing solid evidence for the implementation of model of optimized or efficient attention that address in an understandable way the fact that HIV is rather a chronic and long-lasting infection.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

HIV prevention and care for Peruvian MSM and transgender women

Research Project funded by federal funds or the United States of America, under direct contract with The Regents of the University of California.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Cáceres Palacios Carlos Fernando

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	164,198
Travel expenses	14,482
Consulting	21,404
Equipment and/or supplies	7,853
Laboratory and patient care services	27,254
Other	52,777
<b>Total direct costs</b>	<b>287,968</b>
<b>Total indirect costs - Overhead</b>	<b>27,900</b>
<b>Total Costs</b>	<b>315,868</b>

Project execution period: From February 2016 to December 2020.

Project General Objective: The objective of this research is to improve the attention quality in prevention and treatment of HIV address to the HSH and transwomen population in the intervention zone; in the context of proper attention to the population needs, taking as framework a health approach of right to health care in the context of continuous prevention and attention of HIV.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

1/2-regional geohealth hub centered in Peru – Peru

Research Project funded by federal funds of the United States of America, under direct contract with the National Institute Of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gonzales Rengifo, Gustavo Francisco

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	92,792
Travel expenses	16,936
Consulting expenses	11,114
Equipment and/or supplies	4,334
Contract expenses	123,980
Other	16,561
<b>Total direct costs</b>	<b>265,718</b>
<b>Total indirect costs - Overhead</b>	<b>14,116</b>
<b>Total costs</b>	<b>279,834</b>

Project execution period: From September 2015 to July 2020.

Project General Objective: The objective of this project is i) to conduct an intervention study of indoor air pollution and use of biomass, ii) to evaluate the relationship between outdoor air pollution and cardio respiratory disease in Lima, Peru and iii) to develop a predictive model of the impact of climate change on diarrheal diseases and vector-borne diseases (dengue, chagas and malaria)

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

International prospective observational cohort study of sika in infants and pregnancy (ZIP study)

Research Project funded by federal funds of the United States of America, under subcontract with the University Of Alabama.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Ochoa Woodell, Theresa Jean

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	64,973
Travel expenses	2,704
Equipment and/or supplies	11,640
Laboratory and patient care services	151
Contract expenses	166,182
Other	9,967
<b>Total direct costs</b>	<b>255,617</b>
<b>Total indirect costs - Overhead</b>	<b>5,673</b>
<b>Total costs</b>	<b>261,290</b>

Project execution period: From June 2017 to November 2019.

Project General Objective: The objective of this project is to compare the incidence of congenital malformations and adverse fetal consequences (such as microcephaly, death of the fetus, neonatal death, malformations of the Central Nervous System (CNS), dropsy and ocular abnormalities) in fetuses and infants of: i) women who have been infected with the Sika Virus, ii) women who have developed symptoms of an infection with ZIKV; and iii) women who have not developed symptoms.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Strengthening and consolidating resources for vih prevention in the Peruvian military

Research Project funded by federal funds or the United States of America, under direct contract with Navsup Fleet Logistics Support Center.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Cáceres Palacios, Carlos Fernando

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	101,758
Training	319
Travel expenses	19,891
Consulting	18,504
Equipment and/or supplies	39,568
Laboratory and patient care services	166
Other	24,378
<b>Total direct costs</b>	<b>204,584</b>
<b>Total indirect costs - Overhead</b>	<b>19,284</b>
<b>Total Costs</b>	<b>223,868</b>

Project execution period: From March 2015 to February 2019.

Project General Objective: The objective of this research is to create a program focused in improving the Access to HIV prevention in military population in higher risk of four regions of the country during its first year (Lima-Callao, Piura, Iquitos and Arequipa), through the strengthening of existing resources through the management of the Committee of Prevention and Control of HIV/SIDA (COPRECOS-PERU).

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Patient-centered intervention to prevent tuberculosis among children < 5 years old

Research Project funded by federal funds or the United States of America, under direct contract with National Institute of Health – NIH

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Otero Vegas Larissa

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	112,125
Training	18,105
Travel expenses	9,128
Consulting	1,345
Equipment and/or supplies	4,252
Other	10,099
<b>Total direct costs</b>	<b>155,053</b>
<b>Total indirect costs - Overhead</b>	<b>14,959</b>
<b>Total Costs</b>	<b>170,013</b>

Project execution period: From September 2018 to April 2023.

Project General Objective: The objective of this research is to develop an intervention package to increase the information, motivation and memory to complete the isoniazid preventive therapy (TPI) in children < 5 years to those prescribed with TPI. As well as determine the feasibility and acceptability and measure the effectivity of the intervention package in increasing the adherence and completion of TPI.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Prevalence and incidence of neonatal HSV (herpes simplex) in pre-term infants

Research Project funded by federal funds or the United States of America, under subcontract with University Of Alabama.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Carcamo Cavagnaro, Cesar Paul

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	147,267
Travel expenses	1,241
Consulting	111
Equipment and/or supplies	5,940
Laboratory and patient care services	1,143
Other	8,259
<b>Total direct costs</b>	<b>163,961</b>
<b>Total indirect costs - Overhead</b>	<b>5,742</b>
<b>Total Costs</b>	<b>169,703</b>

Project execution period: From August 2016 to March 2021.

Project General Objective: The objective of this research is to estimate the incidence of neonatal herpes through the combination of two components. The first will allow to determine the prevalence of infection for HSV confirmed by PCR in neonate with the diagnosis of suspicion of sepsis or meningitis (SSM). The second component will estimate the incidence of SSM in a prospective cohort of new borns.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Syphilis immunology and biology to improve clinical management and vac

Research Project funded by federal funds or the United States of America, under direct contract with Universidad de California, Los Angeles.

For the period from 1 January 2019 to 31 December 2019

Researcher: Caceres Palacios Carlos Fernando

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	63,118
Travel expenses	3,817
Consulting	12,170
Equipment and/or supplies	47,873
Laboratory and patient care services	11,351
Other	16,248
<b>Total direct costs</b>	<b>154,577</b>
<b>Total indirect costs - Overhead</b>	<b>9,219</b>
<b>Total Costs</b>	<b>163,796</b>

Project execution period: From September 2018 to August 2022.

Project General Objective: The objective of this research is based on enrolling people with infection of syphilis and follow up with them to see how their lab values change and its clinic development after receiving treatment.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Peru infectious diseases epidemiology research training consortium

Research Project funded by federal funds or the United States of America, under direct contract with National Institute of Health – NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Lescano Guevara, Andres Guillermo

	Project Execution (*) US\$
<b>Direct costs</b>	
Employees' benefits	43,968
Training	69,534
Travel expenses	6,102
Consulting	211
Equipment and/or supplies	11,667
Laboratory and patient care services	831
Other	9,988
<b>Total direct costs</b>	<b>142,300</b>
<b>Total indirect costs - Overhead</b>	<b>5,810</b>
<b>Total Costs</b>	<b>148,111</b>

Project execution period: From September 2005 to December 2024.

Project General Objective: The objective of this Project is to train the students to reach an answer capacity to emerging infectious diseases.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Kuskaya: an interdisciplinary training program for innovation in global health**

Research Project funded by federal funds or the United States of America, under direct contract with National Institute of Health – NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. García Funegra, Patricia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	45,615
Training	21,575
Travel expenses	6,286
Consulting	3,089
Equipment and/or supplies	45,485
Laboratory and patient care services	309
Contract expenses	4,124
Other	14,450
<b>Total direct costs</b>	<b>140,933</b>
<b>Total indirect costs - Overhead</b>	<b>111</b>
<b>Total Costs</b>	<b>141,044</b>

Project execution period: From September 2013 to August 2018.

Project General Objective: The objective of this research is to develop a new generation of innovative leaders in Global Health (grantee Kuskaya), capable of working in a collaborative way with colleagues of the north and the south in interdisciplinary equipment, defining problems to help finding solutions through the research.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

**UNIVERSIDAD PERUANA CAYETANO HEREDIA****STATEMENT OF EXPENDITURE****Translational research development for endemic infectious diseases of amazonia**

**Research Project funded by federal funds or the United States of America, under subcontract with University Of California, San Diego.**

**For the period from 1 January 2019 to 31 December 2019**

**Researcher: Dra. Gamboa Vilela Dionicia**

	<b>Project Execution (*) US\$</b>
<b>Direct costs</b>	
Employees' benefits	24,573
Training	46,198
Travel expenses	29,696
Consulting	905
Equipment and/or supplies	9,927
Laboratory and patient care services	1,415
Other	14,812
<b>Total direct costs</b>	<b>127,526</b>
<b>Total indirect costs - Overhead</b>	<b>11,812</b>
<b>Total Costs</b>	<b>139,338</b>

Project execution period: From May 2016 to February 2021.

Project General Objective: The goal of this new project infectious disease research training program, with focus on training candidates from Iquitos (Universidad Nacional de la Amazonia Peruana). This research training program, explicitly focuses on augmenting and sustaining research capacity in emerging and major endemic infectious diseases in Peru, particularly those found in the Peruvian Amazon. This training program will be particularly focused on infectious diseases that are associated with substantial morbidity and mortality in the Peruvian Amazon.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Placental colonization by treponema pallidum, congenital syphilis & novel vaccine

Research Project funded by federal funds of the United States of America, under subcontract with Rutgers University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Cesar Raul Carcamo Cavagnaro

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	95,737
Travel expenses	10,018
Equipment and/or supplies	3,741
Laboratory and patient care services	248
Other	5,798
<b>Total direct costs</b>	115,542
<b>Total indirect costs - Overhead</b>	8,785
<b>Total costs</b>	124,327

Project execution period: From August 2015 to January 2020.

Project General Objective: The objective of this project is to determine the impact of the adaptive immune response by antibodies against syphilis both in colonization of the placenta as well as in the clinical presentations of congenital syphilis in pregnant women.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Use of bisphosphonates to reduce the calcification process in animal models of cysticercosis

Research Project funded by federal funds of the United States of America, under direct contract with National Institute of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Bustos Palomino, Javier Arturo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	62,223
Training expenses	680
Travel expenses	7,690
Consulting expenses	6,000
Equipment and/or supplies	14,330
Laboratory and patient care services	136
Other	22,391
<b>Total direct costs</b>	<b>113,449</b>
<b>Total indirect costs - Overhead</b>	<b>9,708</b>
<b>Total costs</b>	<b>123,158</b>

Project execution period: From March 2015 to February 2020.

Project General Objective: The objective of this research is to evaluate whether Bisphosphonates decrease the likelihood and degree of residual calcification from the degeneration of the muscular and cerebral cyst of brain degeneration and cysts in animal models.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Improving participation in vector controls campaigns through behavioral economics

Research Project funded by federal funds of the United States of America, under subcontract with University Of Pennsylvania.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Naquira Velarde, Cesar Gabriel

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	78,382
Travel expenses	4,503
Consulting expenses	15,271
Equipment and/or supplies	1,069
Other	12,333
<b>Total direct costs</b>	<b>111,558</b>
<b>Total indirect costs - Overhead</b>	<b>9,929</b>
<b>Total costs</b>	<b>121,487</b>

Project execution period: From June 2014 to May 2021.

Project General Objective: The objective of this project is to carry out randomized field work with three interventions to increase participation in vector control campaigns carried out by the Ministry of Health (MINSA) in Arequipa, Peru.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Translational research development for endemic infectious diseases of amazonia

Research Project funded by federal funds of the United States of America, under subcontract with Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	36,033
Training expenses	13,086
Travel expenses	16,141
Consulting expenses	3,600
Equipment and/or supplies	20,521
Other	27,714
<b>Total direct costs</b>	<b>117,095</b>
<b>Total indirect costs - Overhead</b>	<b>78</b>
<b>Total costs</b>	<b>117,173</b>

Project execution period: From November 2018 to February 2021.

Project General Objective: The goal of this new project infectious disease research training program, with focus on training candidates from Iquitos (Universidad Nacional de la Amazonia Peruana). This research training program, explicitly focuses on augmenting and sustaining research capacity in emerging and major endemic infectious diseases in Peru, particularly those found in the Peruvian Amazon. This training program will be particularly focused on infectious diseases that are associated with substantial morbidity and mortality in the Peruvian Amazon.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

The effect of strongyloides stercoralis on HTLV-1 disease progression

Research Project funded by federal funds of the United States of America, under direct contract with National Institute of Health - NIH.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Montes Delgado Martin

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	81,690
Training	1,394
Travel expenses	3,187
Consulting expenses	4,500
Equipment and/or supplies	9,305
Laboratory and patient care services	3,068
Other	3,066
<b>Total direct costs</b>	<b>106,209</b>
<b>Total indirect costs - Overhead</b>	<b>5,507</b>
<b>Total costs</b>	<b>111,717</b>

Project execution period: From March 2018 to February 2023.

Project General Objective: The objective of this research is to prove two hypothesis: 1) The infection for SS leads to an increase of proviral charge of HTLV-1, infected cells and malignant transformation of T CD4+ cells. We will compare the proviral charge and infected T CD4+ number of cells in peripheral blood using uding dyeing for CADM1 and the loss of CD7 expression (early mark of malignant cell transformation). In the co-infection for HTLV-1/SS before and up to 6 months after the treatment for SS; co-infection cases with more than 5 years of follow up or controls; co-infected patients of HTLV-1/SS subsequently followed. 2) Early cell transformation (CADM1 positive, CD7 low) is driven by diverse mechanisms: a) lymphoproliferation driven by virus (proviral charge, lymphoproliferation driven by antigens and spontaneous); bacterial translocation and swelling associated and/or expansión of T regulating cells. These studies will test the importance of infection for SS as co factoring in lymphoproliferation disorders, as well as exploring new possible therapeutical strategies against SS in patients with HTLV-1 and general population.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Tuberculosis trials consortium (TBTC)

Research Project funded by federal funds of the United States of America, under subcontract with Vanderbilt University Medical Center.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gotuzzo Eduardo  
Dr. Seas Carlos

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	48,499
Training expenses	13,043
Consulting expenses	19,918
Equipment and/or supplies	1,706
Laboratory and patient care services	5,326
Other	4,983
<b>Total direct costs</b>	<b>93,475</b>
<b>Total indirect costs - Overhead</b>	<b>10,126</b>
<b>Total costs</b>	<b>103,601</b>

Project execution period: From October 2010 to September 2018.

Project General Objective: The goal of this research is the randomized, open-label, phase 3 controlled clinical trial, which studies therapy shortening regymes that contains Rifapentina for the treatment of sensitive pulmonar tuberculosis. The efficiency of the regyme is evaluated by performing a clinical, lab and microbacteriological follow up to each participant for 18 months.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Tod@s (transforming ourselves through dialogue, organizing, and service): an anti-violence program for transgender people in Perú**

Research Project funded by federal funds of the United States of America, under subcontract with Fenway Community Health Center.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Silva Santisteban, Portella Alfonso

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	58,371
Travel expenses	1,279
Consulting expenses	12,811
Equipment and/or supplies	126
Laboratory and patient care services	3,128
Other	14,574
<b>Total direct costs</b>	<b>90,288</b>
<b>Total indirect costs - Overhead</b>	<b>5,991</b>
<b>Total costs</b>	<b>96,280</b>

Project execution period Period: From June 2015 to June 2019.

Project General Objective: The objective of this project is to improve the safety and well-being of transgender people affected by violence, harassment and violations of human rights and in Peru through the creation of a working group.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

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

Research Project funded by federal funds of the United States of America, under subcontract with Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	44,834
Training expenses	190
Travel expenses	18,266
Consulting	1,322
Equipment and/or supplies	8,664
Laboratory and patient care services	853
Other	16,619
<b>Total direct costs</b>	<b>90,748</b>
<b>Total indirect costs - Overhead</b>	<b>4</b>
<b>Total costs</b>	<b>90,752</b>

Project execution period: From April 2019 to March 2024.

Project General Objective: The main objective is to identify the risk factors for the infection and residual disease of malaria, both at individual level as family level, it will supply parasitic samples for detailed molecular analysis of population and epidemiological data to develop new math models of malaria transmission.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Alternative therapeutic approaches for the control of brain inflammation secondary to antihelminthic

Research Project funded by federal funds of the United States of America, under direct contract with Institute National of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Arroyo Hurtado, Gianfranco

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	47,506
Training expenses	325
Travel expenses	2,648
Equipment and/or supplies	14,678
Laboratory and patient care services	941
Other	13,853
<b>Total direct costs</b>	<b>79,951</b>
<b>Total indirect costs - Overhead</b>	<b>4,818</b>
<b>Total costs</b>	<b>84,769</b>

Project execution period: From March 2019 to February 2024.

Project General Objective: The main objective is to evaluate the anti-parasitic treatment against the viable brain cysticercosis using a porcine experimental new model of NCC.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Liver cystic echinococcosis: pre-clinical assessment of a novel, single step percutaneous treatment procedure (intracystic albendazole sulfoxide injection)

Research Project funded by federal funds of the United States of America, under direct contract with National Institute of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Santivañez Saul

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	51,131
Travel expenses	8,809
Consulting expenses	2,500
Equipment and/or supplies	11,314
Other	3,467
<b>Total direct costs</b>	<b>77,221</b>
<b>Total indirect costs - Overhead</b>	<b>6,043</b>
<b>Total costs</b>	<b>83,264</b>

Project execution period: From March 2016 to February 2021.

Project General Objective: The objective of this research is to evaluate a new approach of percutaneous treatment of a single step that consists in the intraquística injection of Albendazol Sulfoxido (ABZ - SF), the active metabolite of ABZ.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Disrupting vector-borne disease transmission in complex urban environments

Research Project funded by federal funds of the United States of America, under subcontract with University Of Pennsylvania.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Naquira Velarde, Cesar Gabriel

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	48,268
Travel expenses	2,942
Consulting expenses	11,454
Equipment and/or supplies	1,576
Other	6,833
<b>Total direct costs</b>	<b>71,073</b>
<b>Total indirect costs - Overhead</b>	<b>5,776</b>
<b>Total costs</b>	<b>76,849</b>

Project execution period: From June 2013 to May 2020.

Project General Objective: The objective of this research is to improve vector transmission models by the development of realistic methods to make inferences about spatial processes.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Natural infection of norovirus and sapovirus in a birth cohort in a Peruvian periurban community

Research Project funded by federal funds of the United States of America, under subcontract with Johns Hopkins University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Mirko Zimic Peralta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	47,688
Travel expenses	893
Equipment and/or supplies	4,185
Other	7,685
<b>Total direct costs</b>	<b>60,450</b>
<b>Total indirect costs - Overhead</b>	<b>13,286</b>
<b>Total costs</b>	<b>73,737</b>

Project execution period: From June 2015 to May 2020.

Project General Objective: The objective of this project is to characterize the epidemiology of Norovirus (NV) and Sapovirus (SV) in Peruvian children. As well as, evaluate the people who acquired protective immunity to NV in a setting of frequent exposure.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Demonstration project to apply the principles and practices of the universal prevention curriculum (UPC) to schools in Peru 2 years

Research Project funded by federal funds of the United States of America, under "cooperative agreement" with American Embassy Lima.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Salazar Silva, Fernando

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	43,547
Travel expenses	4,309
Consulting expenses	3,134
Other	13,898
<b>Total direct costs</b>	<b>64,887</b>
<b>Total indirect costs - Overhead</b>	<b>5,786</b>
<b>Total costs</b>	<b>70,673</b>

Project execution period: From April 2018 to March 2020.

Project General Objective: The objective of this research is to provide the skills and knowledge to directors, teachers and other school staff that are necessary to select and implement strategies of prevention of substance abuse based on evidence.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Infectious diseases training program in Bolivia: south - south training with Perú

Research Project funded by federal funds of the United States of America, under subcontract with Johns Hopkins University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano, Hector Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	20,054
Training expenses	33,136
Travel expenses	5,363
Laboratory and patient care services	533
Other	6,109
<b>Total direct costs</b>	<b>65,195</b>
<b>Total indirect costs - Overhead</b>	<b>4,385</b>
<b>Total costs</b>	<b>69,581</b>

Project execution period: From May 2015 to January 2020.

Project General Objective: The objective of this research is to develop and build a long-term sustainable training program in long-term in tropical infectious diseases in Bolivia.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

University of California global health institute program for fellows and scholars

Research Project funded by federal funds of the United States of America, under subcontract with University Of California, San Francisco.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Lescano Guevara, Andrés Guillermo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	3,949
Training expenses	36,244
Travel expenses	5,373
Equipment and/or supplies	5,219
Laboratory and patient care services	465
Other	14,164
<b>Total direct costs</b>	<b>65,414</b>
<b>Total indirect costs - Overhead</b>	<b>2,091</b>
<b>Total costs</b>	<b>67,505</b>

Project execution period: From April 2012 to June 2022.

Project General Objective: The objective of this project is to conduct a program through the consortium of four universities in California, USA, funded by the National Institutes of Health of the USA with the objective of providing mentored research internships during 12 months in Peru in favor of North American or Peruvian researchers.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**NOVEL NANOPARTICULAR DIAGNOSTICS FOR CEREBRAL TOXOPLASMOSIS AND CHAGAS in HIV patients living in latinoamerica**

Research Project funded by federal funds of the United States of America, under subcontract with The John Hopkins University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	43,866
Travel expenses	769
Consulting expenses	800
Equipment and/or supplies	8,640
Laboratory and patient care services	4,816
Other	2,043
<b>Total direct costs</b>	<b>60,933</b>
<b>Total indirect costs - Overhead</b>	<b>4,755</b>
<b>Total costs</b>	<b>65,689</b>

Project execution period: From June 2018 to May 2023.

Project General Objective: The objective of this project is to help define the clinical spectrum of the neurological disease associated with HIV in Latin America.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Combined albendazole and praziquantel in subarachnoid NCC, CCC, lead application

Research Project funded by federal funds of the United States of America, under subcontract with National Institute Of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Lescano Guevara, Andres Guillermo

	Project Execution (*) US\$
<b>Direct costs</b>	
Employees' benefits	27,244
Training expenses	585
Travel expenses	5,485
Equipment and/or supplies	2,008
Laboratory and patient care services	14,280
Other	5,591
<b>Total direct costs</b>	<b>55,193</b>
<b>Total indirect costs - Overhead</b>	<b>1,051</b>
<b>Total costs</b>	<b>56,244</b>

Project execution period: From September 2015 to July 2020.

Project General Objective: The objective of this project is to demonstrate the progressive advances of Albendazole Treatment (ABZ) combined with Praziquantel (PZQ) in patients with the disease of Neurocisticercosis (NCC).

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Eating behaviour with sugar of malaria nyssorhynchus darlingi vectors and the development of bait of attractive toxic sugar.

Research Project funded by federal funds of the United States of America, under subcontract with la Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	30,644
Training expenses	4,000
Travel expenses	10,020
Equipment and/or supplies	3,330
Laboratory and patient care services	177
Other	7,709
<b>Total direct costs</b>	<b>55,880</b>
<b>Total indirect costs - Overhead</b>	<b>3</b>
<b>Total costs</b>	<b>55,883</b>

Project execution period: From April 2019 to March 2021.

Project General Objective: The objective of this Project is to provide innovative quantitative information of the time, place and frequency of feeding with essential sugar for the reproductive success of the male mosquito and for the female maximization of the production of eggs and the survival in the main vector of south-american malaria, nyssorhynchus darlingi. Our studies in the field and in a biosphere in the Peruvian Amazon will allow us to develop, for the first time, in a tropical forest environment, an attractive toxic bait to increase the local interventions against malaria that may lead to the elimination in similar environments in all the world.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Inter-American Training for Innovations in Emerging Infectious Diseases

Research Project funded by federal funds of the United States of America, under subcontract with Tulane University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	6,088
Travel expenses	1,341
Consulting expenses	6,000
Equipment and/or supplies	17,817
Other	14,090
<b>Total direct costs</b>	<b>45,336</b>
<b>Total indirect costs - Overhead</b>	<b>8,252</b>
<b>Total costs</b>	<b>53,588</b>

Project execution period: Desde septiembre 2016 hasta agosto 2019.

Project General Objective: The objective of this project is to build teams of interdisciplinary researchers who can creatively and sustainably address the problems of emerging infectious diseases by developing cost-effective tools that can be applied effectively in Latin America and other parts of the developing world.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Fogarty global health fellows coordinating center (the ujmt global consortium: building research capacity through mentored training)**

Research Project funded by federal funds of the United States of America, under subcontract with University Of North Carolina At Chapel Hill.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	3,617
Training expenses	24,686
Travel expenses	96
Equipment and/or supplies	11,003
Laboratory and patient care services	1,626
Other	6,203
<b>Total direct costs</b>	<b>47,230</b>
<b>Total indirect costs - Overhead</b>	<b>5,472</b>
<b>Total costs</b>	<b>52,702</b>

Project execution period: From April 2017 to June 2019.

Project General Objective: This Project is aimed to train young students in clinical research.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Chaka: strengthening research support structures in the andean region

Research Project funded by federal funds of the United States of America, under "grant" with National Institute Of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Cabrera Matta Allin

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	45,231
Travel expenses	2,056
Consulting expenses	355
Equipment and/or supplies	481
Other	2,568
<b>Total direct costs</b>	<b>50,690</b>
<b>Total indirect costs - Overhead</b>	<b>35</b>
<b>Total costs</b>	<b>50,725</b>

Project execution period: From may 2016 to April 2021.

Project General Objective: The objective of this project is to develop a generation of qualified managers in the management of research projects at the Universidad Peruana Cayetano Heredia, and catalyze a career in the administration of research, which will help develop an enabling environment and systems for health research.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

2/2 - regional geohealth hub centered in Peru - US

Research Project funded by federal funds of the United States of America, under subcontract with University Of Emory.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gonzales Rengifo, Gustavo Francisco

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Training expenses	26,020
Travel expenses	11,190
Equipment and/or supplies	1,060
Other	8,701
<b>Total Direct costs</b>	<b>46,971</b>
<b>Total indirect costs - Overhead</b>	<b>2,529</b>
<b>Total costs</b>	<b>49,500</b>

Project execution period: From September 2015 to July 2020.

Project General Objective: The objective of this project is to develop and validate new tools and approaches to reduce the impact of leptospirosis on human health.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Household air pollution and health: a multicountry lpg intervention trial

Research Project funded by federal funds of the United States of America, under subcontract with Johns Hopkins University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Hartinger Peña, Stella María

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	39,451
Travel expenses	1,286
Other	9
<b>Total Direct costs</b>	<b>40,746</b>
<b>Total indirect costs - Overhead</b>	<b>4,867</b>
<b>Total costs</b>	<b>45,613</b>

Project execution period: From September 2016 to June 2021.

Project General Objective: The objective of this research is to show that the houses with biomass stoves will show better health results in comparison with the control homes.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Building sustainable and innovative research in cancer and cardiovascular disease: planning the design and development of the south american center of research excellence to counter NCDS (SACREM)**

Research Project funded by federal funds of the United States of America, under subcontract with Instituto De Efectividad Clinica Y Veterinaria LEC  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	25,117
Travel expenses	10,639
Equipment and/or supplies	15
Other	3,149
<b>Total Direct costs</b>	<b>38,920</b>
<b>Total indirect costs - Overhead</b>	<b>6,138</b>
<b>Total costs</b>	<b>45,057</b>

Project execution period: From September 2017 to August 2019.

Project General Objective: The objective of this project will be to implement research programs and improve activities related to the prevention and control of cardiovascular diseases and cancer.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Orphan receptor NIH

Research Project funded by federal funds of the United States of America, under direct contract with Institute National of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Vaisberg Wolach, Abraham Jaime

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	15,563
Travel expenses	17,713
Consulting expenses	3,123
Equipment and/or supplies	3,436
Other	1,213
<b>Total Direct costs</b>	<b>41,048</b>
<b>Total indirect costs - Overhead</b>	<b>1,887</b>
<b>Total costs</b>	<b>42,935</b>

Project execution period: From July 2018 to may 2020.

Project General Objective: The objective of this project is to isolate at least one novel active molecule through bioassay-guided fractionation (Tango assays) of the aw extracts that have shown either agonist or inverse agonist activity for orphan G-protein-coupled receptors (GPCR) GPR88 and MRGPRX4.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Ccasanet: caribbean, central and south america network

Research Project funded by federal funds of the United States of America, under subcontract with Vanderbilt University Medical Center.

For the period from 1 January 2019 to 31 December 2019.

Researcher: Dr. Gotuzzo Herencia, José Eduardo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	22,833
Consulting expenses	7,244
Equipment and/or supplies	368
Laboratory and patient care services	5,309
Other	561
<b>Total Direct costs</b>	<b>36,314</b>
<b>Total Indirect costs - Overhead</b>	<b>2,908</b>
<b>Total costs</b>	<b>39,223</b>

Project execution period: From July 2016 to June 2021.

Project General Objective: The objective of this project is to investigate the changing epidemiology of human immunodeficiency virus (HIV) / acquired immunodeficiency syndrome (AIDS) in the context of wider use and availability of antiretroviral therapy, differences in HIV care and treatment programs, an aging HIV population and an increasing number of children exposed but not infected with HIV.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Close the gap between the identification and the treatment of the cervical abnormalities in Lima

Research Project funded by federal funds of the United States of America, under subcontract with Duke University.

For the period from 1 January 2019 to 31 December 2019.

Researcher: Dra. Garcia Funegra, Patricia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	36,001
Other	72
<b>Total Direct costs</b>	<b>36,073</b>
<b>Total Indirect costs - Overhead</b>	<b>2,011</b>
<b>Total costs</b>	<b>38,084</b>

Project execution period: From April 2019 to April 2022.

Project General Objective: The objective of this research is to plead for the legislation and changes in public policies to guarantee the respect of human rights of trans people in Peru.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Addressing the global burden of leptospirosis in two endemic countries

Research Project funded by federal funds of the United States of America, under subcontract with University Of California, San Diego.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Torres Fajardo, Katherine Jessica

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	28,038
Travel expenses	2,387
Equipment and/or supplies	1,798
Laboratory and patient care services	230
Other	927
<b>Total Direct costs</b>	<b>33,380</b>
<b>Total Indirect costs - Overhead</b>	<b>3,546</b>
<b>Total costs</b>	<b>36,926</b>

Project execution period: From September 2015 to February 2020.

Project General Objective: The objective of this research is to develop and validate new tools and approaches to reduce the impact of leptospirosis in human health.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Iquitos insectary and transmission biology

Research Project funded by federal funds of the United States of America, under subcontract with Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Vinetz Joseph

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	9,824
Training expenses	1,250
Travel expenses	415
Equipment and/or supplies	2,080
Other	23,000
<b>Total Direct costs</b>	<b>36,569</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>36,569</b>

Project execution period: From September 2018 to August 2019.

Project General Objective: The studies imply the maintenance of a laboratory insectarium in Iquitos, Peru, and experimental infections by mosquitos with Plasmodium vivax. The funds are used for the maintenance of the laboratory, give support to the research staff in the laboratory in Iquitos, purchase of relevant supplies, identify sources of infections for experimental infections and lab analysis of experimental data.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Multidisciplinary training program on neuropsychiatry and behavioral disorders in first nations (NEUFIN)

Research Project funded by federal funds of the United States of America, under subcontract with National Institute Of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gallo Lopez-Aliaga Carla Maria

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	6,106
Training expenses	12,539
Travel expenses	13,844
Equipment and/or supplies	22
Other	430
<b>Total Direct costs</b>	<b>32,941</b>
<b>Total Indirect costs - Overhead</b>	<b>3,556</b>
<b>Total costs</b>	<b>36,497</b>

Project execution period: From March 2015 to February 2020.

Project General Objective: The objective of this project is to develop the capacity for sustainable research in Bolivia, Paraguay, Peru and Argentina. A five-year joint training program will be developed with researchers from those 4 countries and the United States in the areas of epidemiology, genetics and neuroimaging for the study of Major psychiatric disorders in native populations of South America.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Peruvian/brazilian amazon center of excellence in malaria (transmission dynamics of residual malaria in the amazon)

Research Project funded by federal funds of the United States of America, under subcontract with University Of California, San Diego.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	29,450
Travel expenses	64
Consulting expenses	1,045
Equipment and/or supplies	140
Other	2,143
<b>Total Direct costs</b>	<b>32,842</b>
<b>Total Indirect costs - Overhead</b>	<b>3,181</b>
<b>Total costs</b>	<b>36,023</b>

Project execution period: From July 2017 to March 2024.

Project General Objective: its main objective is to identify risk factors for residual malaria infection and disease at both the individual and household level, will supply parasite samples for detailed population-level molecular analyses and epidemiological data to develop new mathematical models of malaria transmission.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

International cohort study of children born to women infected with zika virus during pregnancy

Research Project funded by federal funds of the United States of America, under subcontract with WESTAT.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Ochoa Woodell Theresa

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	20,200
Travel expenses	107
Equipment and/or supplies	1,936
Contract expenses	10,312
Other	41
<b>Total Direct costs</b>	<b>32,596</b>
<b>Total Indirect costs - Overhead</b>	<b>1,537</b>
<b>Total costs</b>	<b>34,133</b>

Project execution period: From March 2019 to September 2019.

Project General Objective: The objective of this Project is to determine the long-term neurodevelopmental outcomes among children born to women with documented ZIKV infection during pregnancy.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Molecular epidemiology of salmonella isolated resistant to bird production as contamination risk to the human in Lima, Peru

Research Project funded by federal funds of the United States of America, under direct subcontract with University Of California.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Lescano Guevara, Andrés Guillermo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	527
Training expenses	8,013
Travel expenses	5,940
Equipment and/or supplies	6,050
Laboratory and patient care services	1,492
Other	8,044
<b>Total Direct costs</b>	<b>30,065</b>
<b>Total Indirect costs - Overhead</b>	<b>3,475</b>
<b>Total costs</b>	<b>33,540</b>

Project execution period: From July 2019 to June 2019.

Project General Objective: The objective of this research is to identify and characterize the salmonella isolates obtained from poultry production in order to implement biosecurity measures and prevent human contamination.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Universal biomarkers for plasmodium vivax exoerythrocytic infection

Research Project funded by federal funds of the United States of America, under direct contract with University Of California.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Calla Choque, Jaeson Santos

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Training expenses	14,974
Equipment and/or supplies	209
Travel expenses	3,873
Other	4,627
Laboratory and patient care services	301
<b>Total Direct costs</b>	<b>23,984</b>
<b>Total Indirect costs - Overhead</b>	<b>3,431</b>
<b>Total costs</b>	<b>27,415</b>

Project execution period: From July 2018 to June 2019.

Project General Objective: The goal of this research is to create better reagents for p. Vivox drug discovery, to create biomarkers for p. Vivax infections that can lead to new diagnostic tests, and the study of vivax hypnozoites with the aim of finding new pharmacological pathways.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Latin america treatment & innovation network in mental health (LATIN-MH)

Research Project funded by federal funds of the United States of America, under direct subcontract with Fundacao Faculdade De Medicina.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	20,596
Travel expenses	1,834
Other	4,791
<b>Total Direct costs</b>	<b>27,221</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>27,221</b>

Project execution period: From September 2013 to August 2019.

Project General Objective: The objective of this research is to collaborate in reducing the depression treatment gap in Latin America, using treatment models of recognized efficacy, relying on existing resources in primary care and taking advantage of the accelerated growth of technology in our country.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Immunology of asymptomatic malaria and the effects of immunity on plasmodium transmission

Project de investigación financiado por fondos federales de los Estados Unidos de América, bajo subcontrato con la Universidad de Yale.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Torres Fajardo, Katherine

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	7,465
Training expenses	190
Travel expenses	7,446
Equipment and/or supplies	1,763
Laboratory and patient care services	488
Other	5,596
<b>Total Direct costs</b>	<b>22,948</b>
<b>Total Indirect costs - Overhead</b>	<b>2</b>
<b>Total costs</b>	<b>22,950</b>

Project execution period: From April 2019 to March 2024.

Project General Objective: The main objective is to compare the inflammatory response and responsiveness of the innate immune cells of clinically ill and asymptomatic malaria patients. Defined biomarkers are validated and we question whether asymptomatic patients are prone to developing diseases 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.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Spatiotemporal adaptation of anopheles darlingi in diverse ecological settings

Research Project funded by federal funds of the United States of America, under direct subcontract with Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Herrera Varela, Manuela

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	10,381
Travel expenses	930
Equipment and/or supplies	2,174
Laboratory and patient care services	38
Other	9,130
<b>Total Direct costs</b>	<b>22,653</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>22,653</b>

Project execution period: From April 2019 to March 2024.

Project General Objective: This project will address three little-studied facets that will provide key details of how this vector maintains its dominant role in the transmission dynamics of Amazonian malaria to: 1) delineate the importance of anthropogenic breeding sites leading to high productivity and dispersal of mosquitoes near human habitation; 2) examine the rapid adaptation in modified landscapes of the location (indoor / outdoor) and night time of biting behavior; and 3) show how the preferences / changes of this species of mosquito interact with asymptomatic people of Plasmodium vivax to maintain hypoendemic transmission.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Ictus: interdisciplinary cerebrovascular diseases training program in south America

Research Project funded by federal funds of the United States of America, under direct subcontract with University Of Washington.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano Héctor Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	15,262
Training expenses	4,132
<b>Total Direct costs</b>	<b>19,394</b>
<b>Total Indirect costs - Overhead</b>	<b>2,182</b>
<b>Total costs</b>	<b>21,576</b>

Project execution period: From June 2016 to May 2024.

Project General Objective: The objective of this research is to reduce mortality in cerebrovascular diseases in Peru.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Sexual education for teenagers

Research Project funded by federal funds of the United States of America, under direct subcontract with UCLA.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Condor Camara, Daniel Flavio

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	9,153
Travel expenses	118
Consulting expenses	8,967
Equipment and/or supplies	11
Laboratory and patient care services	1,060
Other	269
<b>Total Direct costs</b>	<b>19,578</b>
<b>Total Indirect costs - Overhead</b>	<b>7</b>
<b>Total costs</b>	<b>19,585</b>

Project execution period: From June 2018 to December 2019.

Project General Objective: The objective of this research is to evaluate the acceptability and feasibility of a group sexual health education intervention for young people living with HIV and their caregivers.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Characterization of hippocampal sclerosis in individuals with calcified neurocysticercosis

Project de investigación financiado por fondos federales de los Estados Unidos de América, bajo contrato directo con Institute National of Health - NIH.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Contract expenses	16,912
<b>Total Direct costs</b>	<b>16,912</b>
<b>Total indirect costs - Overhead</b>	<b>1,276</b>
<b>Total costs</b>	<b>18,188</b>

Project execution period: From July 2016 to June 2019.

Project General Objective: The objective of this research is to demonstrate the association between Neuro Cysticercosis (NCC) and human subjects (HS) by comparing the proportion of individuals with HS in patients with calcified NCC and in controls without NCC.

Determine factors associated with HS in patients with calcified NCC, as shown in history and visual magnetic resonance imaging (MRI) analysis (such as number and location of lesions, duration of epilepsy, seizures, etc).

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Enabling infectious disease research capacity in the Peruvian amazon

Research Project funded by federal funds of the United States of America, under subcontract with Tulane University, Institute National of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	9,853
Travel expenses	721
<b>Total Direct costs</b>	<b>10,574</b>
<b>Total Indirect costs - Overhead</b>	<b>691</b>
<b>Total costs</b>	<b>11,265</b>

Project execution period: From November 2018 to February 2023.

Project General Objective: The objective of this research is to propose a collaborative research training program that strengthens the capacity of an institution in a country with medium or low resources to carry out research on infectious diseases that focuses on 1) endemic or life-threatening diseases emerging from diseases infectious 2) neglected tropical diseases 3) frequent infections such as co-infections in HIV-infected individuals or 4) infections associated with noncommunicable diseases that are of public health importance in low- and middle-resource countries.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Planning to establish a regional center of ncd research training in Perú

Research Project funded by federal funds of the United States of America, under "grant" with Institute National of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	8,016
Travel expenses	2,179
Other	91
<b>Total Direct costs</b>	<b>10,286</b>
<b>Total Indirect costs - Overhead</b>	<b>901</b>
<b>Total costs</b>	<b>11,187</b>

Project execution period: From September 2017 to September 2019.

Project General Objective: The objective of this project is to develop a broader comprehensive training program for a future call. This proposal will take advantage of the fruitful and lasting collaboration between Institute for clinical effectiveness and health Policy Buenos Aires (IECS) and Human Services in Public Health (HSPH) to improve the creation of training in Peru and other countries in the region.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Addressing the global burden of leptospirosis in two endemic countries

Research Project funded by federal funds of the United States of America, under subcontract with Yale University

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Torres Fajardo, Katherine Jessica

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	8,559
Travel expenses	753
Equipment and/or supplies	1,015
Other	51
<b>Total Direct costs</b>	<b>10,375</b>
<b>Total indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>10,375</b>

Project execution period: From November 2018 to April 2020.

Project General Objective: The objective of this research is to develop and validate new tools and approaches to reduce the impact of leptospirosis in human health.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Amazonian center of excellence in malaria research (immunology of asymptomatic malaria and the effects of immunity on plas)

Research Project funded by federal funds of the United States of America, under subcontract with University Of California, San Diego.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	7,795
Travel expenses	240
Equipment and/or supplies	761
Laboratory and patient care services	184
Other	478
<b>Total Direct costs</b>	<b>9,458</b>
<b>Total Indirect costs - Overhead</b>	<b>836</b>
<b>Total costs</b>	<b>10,294</b>

Project execution period: From July 2017 to March 2024.

Project General Objective: The objective of this project is to compare the inflammatory response and responsiveness of innate immune cells from clinically ill and asymptomatic malaria patients.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

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

Research Project funded by federal funds of the United States of America, under subcontract with the University of Pennsylvania.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Paz Soldan Parlette, Valerie Andrea

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	1,932
Travel expenses	822
Equipment and/or supplies	1,400
Other	2,714
<b>Total Direct costs</b>	<b>6,868</b>
<b>Total Indirect costs - Overhead</b>	<b>3,231</b>
<b>Total costs</b>	<b>10,099</b>

Project execution period: From July 2019 to June 2024.

Project General Objective: The objective of this research is to develop a new paradigm for the control of dangerous insects following the model of the adaptive immune system. The Project will adapt aspects of the immune system from the cell to the landscape scale, and will test the new approach against a conventional one using a random cluster design in an ongoing Chagas disease vector control program in the city. from Arequipa, Peru.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Peruvian/brazilian amazon center of excellence in malaria (spatiotemporal adaptation of anopheles darlingi in diverse ecological)

Research Project funded by federal funds of the United States of America, under subcontract with University Of California, San Diego.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	9,271
<b>Total Direct costs</b>	9,271
<b>Total Indirect costs - Overhead</b>	-
<b>Total costs</b>	9,271

Project execution period: From July 2017 to March 2024.

Project General Objective: This project will address three understudied facets of An. darlingi which will provide key details of how this vector maintains its dominant role in Amazonian malaria transmission dynamics by: 1) delineating 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 both location (indoor/ outdoor) and nocturnal timing of biting behavior; and, 3) showing how this mosquito species' preferences/ changes interact with Plasmodium vivax asymptomatic persons to maintain hypoendemic transmission.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

HIV risk and psychosocial health among transgender women in Peru

Research Project funded by federal funds of the United States of America, under subcontract with The Childrens Hospital Corporation D/B/A Boston Ch.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Silva Santisteban, Portella Alfonso

	Project Execution (*) US\$
<b>Direct costs</b>	
Employees' benefits	7,392
Travel expenses	89
Equipment and/or supplies	22
Laboratory and patient care services	115
<b>Total Direct costs</b>	<b>7,618</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>7,618</b>

Project execution period: From August 2019 to July 2020.

Project General Objective: The objective of this research is to explore the issues related to the psychosocial vulnerability of young trans women in which surveys and sample collections they are carried out to determine the prevalence of HIV, hepatitis b and c and associated factors.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Amazonian center of excellence in malaria research (core B - data management)

Research Project funded by federal funds of the United States of America, under subcontract with University Of California, San Diego.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	6,579
Travel expenses	627
Equipment and/or supplies	31
Other	371
<b>Total Direct costs</b>	<b>7,608</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>7,608</b>

Project execution period: From July 2017 to March 2024.

Project General Objective: The objective of this project is to provide comprehensive data management and statistical support for all projects of the International Center of excellence in malaria research (ICEMR) Amazonia Program. Its functions include: study guide design; develop study protocols and metadata; guarantee the collection, management and exchange of adequate and safe data; generate simple tabulations routinely and as requested by project leaders; provide training as needed; and help with statistical analysis.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Statistical methods for correlated outcome and covariate errors in studies of HIV/AIDS**

Research Project funded by federal funds of the United States of America, under subcontract with Vanderbilt University Medical Center.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Otero Vegas, Larissa

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	6,724
<b>Total Direct costs</b>	6,724
<b>Total Indirect costs - Overhead</b>	481
<b>Total costs</b>	7,205

Project execution period: From January 2019 to December 2019.

Project General Objective: The objective of this project is to plan the development of an pragmatic clinical trial to evaluate the optimal duration of the treatment of tuberculosis in co-infected patients with HIV as well as a reminder pills box, to increase the treatment adhesion.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Markers of triclabendazole resistant fascioliasis the highlands of Perú

Research Project funded by federal funds of the United States of America, under subcontract with NIH - UTMB.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Gotuzzo Herencia, Jose Eduardo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	3,380
Equipment and/or supplies	3,391
Other	318.28
<b>Total Direct costs</b>	<b>7,089</b>
<b>Total Indirect costs - Overhead</b>	<b>1</b>
<b>Total costs</b>	<b>7,090</b>

Project execution period: From August 2019 to July 2023.

Project General Objective: The objective of this research is:

Objective 1. Detect candidate genetic markers associated with Triclabendazole Resistance (TCBZ-R) in Peru.

Objective 2. To validate the genetic markers associated with TCBZ-R using independent cohorts and to determine if the genetic basis of resistance is conserved among the populations of parasites that infect animals and humans..

Objective 3. Define the transcriptional alterations associated with TCBZ-R in Peru.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Predicting risk of human leptospiros by environmental surveillance

Research Project funded by federal funds of the United States of America, under subcontract with University Of California San Diego.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Torres Fajardo, Katherine Jessica

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Other	42
<b>Total Direct costs</b>	<b>42</b>
<b>Total Indirect costs - Overhead</b>	<b>6,408</b>
<b>Total costs</b>	<b>6,450</b>

Project execution period: From June 2013 to May 2019.

Project General Objective: The objective of this reseach is to develop and validate new tools and approaches to reduce the impact of leptospirosis in human health.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Predictors of cardiomyopathy progression in a chagas disease cohort in Bolivia

Research Project funded by federal funds of the United States of America, under subcontract with Johns Hopkins University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Verastegui Pimentel, Manuela

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	3,052
Other	(14)
<b>Total Direct costs</b>	<b>3,038</b>
<b>Total Indirect costs - Overhead</b>	<b>3,283</b>
<b>Total costs</b>	<b>6,321</b>

Project execution period: From February 2014 to June 2024.

Project General Objective: The objective of this research is the early detection of Chagas disease to the heart may reflect early changes in cardiac structure and function, substances such as natriuretic type Bpeptide released in response to heart disease or a substance such as factor of transforming growth, involved in cardiac pathogenesis at the cellular level.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Core B - data management

Research Project funded by federal funds of the United States of America, under subcontract with Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	4,769
Equipment and/or supplies	557
Other	165
<b>Total Direct costs</b>	<b>5,491</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>5,491</b>

Project execution period: From April 2019 to March 2024.

Project General Objective: The objective of this Project is to support the design of study, preparation/validation of reporting forms of cases, data clearing and analysis.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Optimizing ring screening strategy for control of taenia solium infection

Research Project funded by federal funds of the United States of America, under subcontract with Oregon Health & Science University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	809
Travel expenses	37
Equipment and/or supplies	3,052
Other	668
<b>Total Direct costs</b>	<b>4,566</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>4,566</b>

Project execution period: From December 2013 to November 2019.

Project General Objective: The objective of this Project is the prospective clinical intervention based on the community with 5 branch of study comparing intervention in rings versus massive treatments for the control of T. Solium transmission.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Approximation to mortality associated to infection by HTLV-1 in Peru

Research Project funded by federal funds of the United States of America, under contract with award with Project Paracas - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. González Lagos, Elsa Violeta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	3,235
Travel expenses	12
Equipment and/or supplies	49
Consulting expenses	690
<b>Total Direct costs</b>	<b>3,986</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>3,986</b>

Project execution period: From February 2019 to August 2020.

Project General Objective: The main objective is to compare mortality rates and causes of death between people with and without HTLV-1 infection. It will be determined if there is any association between mortality and HTLV-1 infection by using Kaplan-Meier curves that evaluate the probability of survival in both groups, the use of the log rank statistical test will determine if the difference is statistically significant.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Paracas Award: Consulting effectivity in nurse in the improvement of haart adherence in patients with hiv and alcohol consumption behavior**

Research Project funded by federal funds of the United States of America, under contract with award of Project Paracas.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Echevarría Zárate, Juan

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	1,073
Consulting expenses	540
Other	672
<b>Total Direct costs</b>	<b>2,285</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>2,285</b>

Project execution period: From March 2017 to December 2019.

Project General Objective: The objective of this research is to determine the effectiveness of nursing counseling in changing the behavior of alcohol consumption in the last month and last six months in patients receiving HAART.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Socio-technical approach of systems to improve the diagnosis of tuberculosis through the use of mobile technologies in health**

Research Project funded by federal funds of the United States of America, under subcontract with University Of Massachusetts Lowell.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Ugarte Gil, Cesar Augusto

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Travel expenses	228
Laboratory and patient care services	395
Other	454
<b>Total Direct costs</b>	<b>1,077</b>
<b>Total Indirect costs - Overhead</b>	<b>735</b>
<b>Total costs</b>	<b>1,812</b>

Project execution period: From April 2018 to May 2019.

Project General Objective: The objective of this research is to improve the effectiveness and efficiency of the health supply system for the diagnosis of Tuberculosis in EESS of the Ministry of Health through the implementation of a socio-technical solution of systems for the problem of diagnosis of Tuberculosis in the Departments of Health Lima Central and Lima East.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Clinic follow up of patients with HIV that restart the antiretroviral treatment after abandonment**

Research Project funded by federal funds of the United States of America, under contract with award of the Project Paracas.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. González Lagos, Elsa Violeta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	1,659
<b>Total Direct costs</b>	1,659
<b>Total Indirect costs - Overhead</b>	-
<b>Total costs</b>	1,659

Project execution period: From April 2018 to October 2019.

Project General Objective: The objective of this research is to determine the viral suppression and mortality of PVVS who restart TARV, after a cessation episode. Determine if the history of having had abandonment episodes is a risk factor for mortality.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Barriers and facilitators for the Access of health in Peru in Venezuelan migrants

Research Project funded by federal funds of the United States of America, under contract with award of Project Paracas NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. González Lagos, Elsa Violeta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Travel expenses	246
Equipment and/or supplies	277
Other	887
<b>Total Direct costs</b>	<b>1,410</b>
<b>Total indirect costs - Overhead</b>	<b>1</b>
<b>Total costs</b>	<b>1,411</b>

Project execution period: From April 2019 to August 2019.

Project General Objective: The objective of this research are:

Explore the barriers that Venezuelan migrants with HIV face in accessing health services in Peru, and the facilitators required to allow their access.

Understand the barriers that exist for Venezuelan migrants with HIV to access health services in Peru.

Identify the facilitators required by Venezuelan migrants with HIV to access health services in Peru.

Determine the frequency of socio-economic, demographic, cultural, geographic, and administrative factors that could be interfering or favoring access and the processes required to obtain comprehensive medical care for Venezuelan patients with HIV.

Prepare and validate an informational instrument or triptych to facilitate navigation or access for Venezuelan migrant patients with HIV.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Evaluation of urgencies, emergencies and essential neurosurgical in Peru

Research Project funded by federal funds of the United States of America, under contract with University Of Harvard.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. García Funegra, Patricia Jannet

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Travel expenses	1,373
<b>Total Direct costs</b>	1,373
<b>Total indirect costs - Overhead</b>	-
<b>Total costs</b>	1,373

Project execution period: From July 2019 to June 2020.

Project General Objective: The objective of this research is to describe the existing system of response to trauma and neurosurgical emergencies and to investigate which professionals carry out these activities, training aspects, installed capacities, etc.

In order to make recommendations that can serve to strengthen an integrated public system of response to traumas and emergencies.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Impact in children regarding environmental mercury and human exposure

Research Project funded by federal funds of the United States of America, under subcontract with University at Albany, State University of New York.  
For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Travel expenses	279
Other	1,035
<b>Total Direct costs</b>	1,314
<b>Total Indirect costs - Overhead</b>	-
<b>Total costs</b>	1,314

Project execution period: From June 2019 to February 2021.

Project General Objective: The objective of this research is to test our main hypothesis that children are associated with increased MeHg exposure in nearby communities MAPE.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Description of the responsibilities of filial care and retention of care in people infected by HIV observed in a reference hospital of Lima, Perú**

Research Project funded by federal funds of the United States of America, under contract with award NIH - Paracas.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. González Lagos, Elsa Violeta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	1,293
<b>Total Direct costs</b>	1,293
<b>Total Indirect costs - Overhead</b>	-
<b>Total costs</b>	1,293

Project execution period: From May 2019 to March 2020.

Project General Objective: The objective of this research is the association between the responsibility of filial care, defined by number and age groups of the children, with the response to antiretroviral treatment (TARV) and retention in care, evaluated at one year and at the end of the follow-up period, in people treated in the Strategy for the Prevention and Control of HIV-AIDS, Sexually Transmitted Diseases and Hepatitis Program of the Cayetano Heredia Hospital (HCH) during the period 2012-2017.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Evaluation of the design and usability of a visualization tool of dengue vulnerability

Research Project funded by federal funds of the United States of America, under subcontract with the University of Washington.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Garcia Funegra, Patricia Jannet

	Project Execution (*)
	US\$
<b>Direct costs</b>	-
<b>Total Direct costs</b>	-
<b>Total Indirect costs - Overhead</b>	1,240
<b>Total costs</b>	1,240

Project execution period: October 2019.

Project General Objective: The objective of this research is to contextualize the presence of vectors in relation to the known existing community and health infrastructure to determine vulnerability to diseases to find areas where populations are most vulnerable to outbreaks or serious health consequences due not only to the exposure to pathogens, but also to aspects of climate, public health and sanitary capacity, infrastructure and community resilience.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Prevalence of vertebral fracture and bone low density in Peruvian women with HIV

Research Project funded by federal funds of the United States of America, under subcontract with Yale University.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Garcia Funegra, Patricia Jannet

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Equipment and/or supplies	35
Laboratory and patient care services	1,161
Other	24
<b>Total Direct costs</b>	<b>1,220</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>1,220</b>

Project execution period: From September 2019 to June 2020.

Project General Objective: The objective of this research is to enroll a cohort of HIV-positive women and HIV-negative women with the community in Lima, Peru, and compare the prevalence of vertebral fracture and bone mineral low density, identifying similarities and differences in regard to risk factors associated in both groups.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Use of mobile technologies to accelerate the beginning of the antiretroviral treatment in a hospital of Lima, Peru**

Research Project funded by federal funds of the United States of America, under contract with award of Project Paracas.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	891
<b>Total Direct costs</b>	891
<b>Total Indirect costs - Overhead</b>	-
<b>Total costs</b>	891

Project execution period: From March 2017 to December 2019.

Project General Objective: The objective of this project is to study was to analyze the ART initiation process at the largest HIV care facility in Peru, in terms of its impact on successful patient outcomes and identification of waste.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Effectivity of the intervention with text message in the collection of medicine and retention in the care of young adults living with HIV in a hospital of Lima**

Research Project funded by federal funds of the United States of America, under contract with award of Paracas Award - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. González Lagos, Elsa Violeta

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Employees' benefits	389
<b>Total Direct costs</b>	389
<b>Total Indirect costs - Overhead</b>	-
<b>Total costs</b>	389

Project execution period: From September 2019 to April 2020.

Project General Objective: The objective of this Project was to study and analyse the starting process of ART in the biggest center of attention of HIV in Peru, in terms of impact in the successful results of the patients and the identification of waste.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Impact of fascioliasis among children in the Peruvian highlands

Research Project funded by federal funds of the United States of America, under direct contract with Institute National of Health - NIH.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Cabada Samame, Miguel

	Project Execution (*)
	US\$
<b>Direct costs</b>	-
<b>Total Direct costs</b>	-
<b>Total Indirect costs - Overhead</b>	195
<b>Total costs</b>	195

Project execution period: From February 2013 to July 2019.

Project General Objective: The objective of this project is to define the epidemiology of clinical and subclinical Fascioliasis in an endemic area in Cusco, also define the impact of the subclinical Fascioliasis on infant nutrition and anemia, and finally define the mechanisms involved in the pathogenesis of anemia and malnutrition associated with Fascioliasis.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

Situational analysis of sexual and reproductive health in pregraduate medical education: the case of a university in Lima, Peru

Research Project funded by federal funds of the United States of America, under contract with award of the Project Paracas.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dra. González Lagos, Elsa Violeta.

	Project Execution (*)
	US\$
<b>Direct costs</b>	
Other	33
<b>Total Direct costs</b>	<b>33</b>
<b>Total Indirect costs - Overhead</b>	<b>-</b>
<b>Total costs</b>	<b>33</b>

Project execution period: From September 2017 to May 2019.

Project General Objective: The objective of this research is the preparation of the medical professionals in Sexual and reproductive Health (SSR) determines the quality of its response to the main population needs in this health area. This study considers a situational analysis whose objective is to evaluate the characteristics of the preparation-of the medicine students – in sexual and reproductive Health. Information about students would be gathered and its academic context through in-depth interviews and a questionnaire.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.



## UNIVERSIDAD PERUANA CAYETANO HEREDIA

## STATEMENT OF EXPENDITURE

**Analysis of obesity social networkred at north of Peru: summary of the project for the global health scholars program**

Research Project funded by federal funds of the United States of America, under subcontract with FIU.

For the period from 1 January 2019 to 31 December 2019

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
<b>Direct costs</b>	-
<b>Total Direct costs</b>	-
<b>Total Indirect costs - Overhead</b>	25
<b>Total costs</b>	25

Project execution period: From July 2017 to December 2019.

Project General Objective: The objective of this project is to evaluate in which extension this phenomena is real in Peru, a country of medium-size income in an early stage of nutritional transition.

(\*) It includes the duration of our review, from 1 January 2019 to 31 December 2019.

#### IV. BACKGROUND AND SCOPE OF THE WORK

Our work was to perform an audit for the review of the expenses of Research Projects financed by federal funds of the United States of North America, for the period from 1 January 2019 to 31 December 2019. The audit included the exam of the Expenditures Statements of each Research Project, performed in accordance with the Generally Accepted Government Auditing Standards (GAGAS), International Audit Standards (IAS) and the compliance supplement of the Office of Management and Budget – OMB of the United States of America – Circular A 133. Accordingly, we applied the procedures, standards and guidelines of Universidad Peruana Cayetano Heredia's policies in regards to procedures, justification and control of the Research Projects' expenditures and other audit procedures that we may consider necessary.

##### Scope of the audit

The scope of our audit work includes the review of all the expenditures transactions from 1 January 2019 to 31 December 2019. As part of a preliminary review and to determine an appropriate control environment, we review the following documents:

- Agreements subscribed between Universidad Peruana Cayetano Heredia and the National Institute of Health – NIH.
- Subcontracts subscribed between Universidad Peruana Cayetano Heredia and the universities of the United States of America, which are financed by NIH and subcontract the UPCH's services in order to carry out researches.
- Progress reports of the projects.
- Organization charts.
- Accounting systems.
- Policies and procedures of acquisitions, purchases and contractings.

The review of the Statements of Expenditures of each project financed by NIH, including the budgeted amounts, reported expenses and compliance of the procedures established in the contracts and subcontracts.

The review of the proper justification of expenses incurred by the audited projects, which have original documentation that may support the expenses.

The review of the procedures of purchase, goods acquisition, tenders and quotes

The review of the staff contracting procedures in payroll and social benefits.

The review of the procedures of services provided by third parties, contracts, technical reports, service conformity certificates, according to the nature of the service.

As part of our audit we considered the following standards:

- Standard Statement of Work for financial audits of NON-US organizations contracted.
- Generally Accepted Government Auditing Standards of the United States of America (GAGAS).
- Compliance supplement of the Office of Management and Budget – OMB of the United States of America – Circular A 133.
- International Auditing Standards (IAS).

## V. FINANCIAL, ACCOUNTING AND ADMINISTRATIVE VERIFICATION

### 5.1 Main accounting policies

The main policies adopted by Universidad Peruana Cayetano Heredia during the preparation and presentation of the Statements of expenditures of the Research Projects have been applied consistently and are the following:

- a. Preparation basis of the Statements of expenditures  
Statements of expenditures are expressed in U.S. dollars, and have been prepared based on the execution/expense, which implies that these are recognized when met.
- b. Foreign currency and Exchange rate  
Accounting transactions are registered in the currency of the Research Projects (U.S. dollars), for the preparation purposes of the Research Projects' statements of expenditures.

For the translation of the expenses made in local currency to U.S. dollars, the exchange rate at the date where the expense was registered.

### 5.2 Expenditures review of Research Projects

The date of the expenses documentation correspond to the period subject to review from 1 January 2019 to 31 December 2019. These expenses documentation of Research Projects were verified to see if they had included the expenses made with the funds provided to the Research Projects, matter of our audit.

#### Formal requirement of the expenses

We verified all the original documents; invoices, receipts and other supporting documentation of expenses including within each entry, where the information is organized by expense date, and are also registered in the Statement of expenditures and the accounting registries of Universidad Peruana Cayetano Heredia.

We verified expenses from contracting staff devoted partial or totally to the Project, including salaries, social insurance, bonuses, vacations, severance payment and other labor benefits according to law.

We verified that national staff contracting complied with national regulations and according to employment contracts duly certified by the Labour Ministry and Employment Promotion, which specify obligations, contracting modality, professional category and salary.

We verified that employees' payroll payments are made monthly for each entity providing the corresponding payments stubs as established by the pay Labour Law, complying with the payment of bonuses, severance payment, vacations and insurance Essalud. The allocation of employees' salary depends if this person is an administrative employee or in charge of research functions. Administrative employees have fixed salary and researches receive a fixed part and other amount corresponding to research projects in which they participate.

We verified that the monthly provisions of social benefits: bonuses, severance payment and vacations were performed.

The withholdings for pension funds, insurances and taxes are made according to the calculation detailed and are paid to the collecting entity (AFPs, SUNAT) within the timeline established by the Peruvian Labour Law.

The Universidad Peruana Cayetano Heredia keeps files where it is possible to find in an orderly way: employees' contracts, payment stubs properly signed, with payment certificates of social benefits, withholding certificates for taxes, social security payments, tax payments, payroll payment and pension funds payment.

We verified that the staff file has: request of staff recruitment, staff contracts, verification listo for the contracts, staff unique file, police record, domicile certificate, copy of the National identity DNI or certificate of alien, resume, copy of degree and/or titles, diplomas, certificates of studies.

We verified that the staff contracts are duly signed, digitalized and filed in a file synchronized to the cloud of Universidad Peruana Cayetano Heredia.

We verified that travel expenses are supported by the liquidation of food, accommodation, transportation and trips made only for staff with labour purposes with justifying list and invoices, receipts and affidavits.

We verified sufficiently and properly the existence of the expense, confirming the reality and quality of the expense corresponding to a transaction or action verifying the proof of work done, products received or services provided regularly, of acceptable quality and at agreed and reasonable prices and costs.

## VI. INTERNAL CONTROL

We reviewed and evaluated the internal control of Universidad Peruana Cayetano Heredia, in regards to the Research Projects, in order to obtain enough understanding of the design of policies and control procedures, and if such policies and procedures have been applied.

The most important audit procedures applied for the evaluation of internal control is detailed as follows:

- a. Obtain enough understanding of the internal control in order to plan the audit and determine the nature, opportunity and scope of the tests to be performed.
- b. We evaluated the inherent risk and the risk of control, and we determined the combined risk combinado. The inherent risk is the susceptibility of an assertion, such as the balance of an account, a material incorrect statement, assuming that there are no policies nor procedures in the internal control regarding the assertion. Control risk is the risk that implies that a material wrong statement may occurred in an assertion and may not be timely prevented or detected by the internal control of Universidad Peruana Cayetano Heredia, its policies or procedures. The combined risk is the risk of not detecting a material error that exists in an assertion. The combined risk is founded in the efficiency of the audit procedure and its application by the auditor.
- c. We summarize the risk evaluations for each material assertion in the working papers. The risk evaluation have considered the following general categories where each assertion shall be classified:
  - Integrity
  - Existence
  - Accuracy
  - Valuation
  - Obligation
  - Presentation

- d. We evaluate the control environment, the sufficiency of the accounting system and the control procedures. It was emphasized in the policies and procedures applicable to policies and procedures regarding the capacity of Universidad Peruana Cayetano Heredia to register, process, summarize and report financial information consistent with the assertions contained in each account of the Statement of accountability.

For such effects, we evaluated among other things the control systems to:

- i. Ensure that the charges to the program are appropriate and are duly documented;
- ii. Acquisition of goods and services;
- iii. The administration of the staff functions such as time control, salaries and benefits;
- iv. The administration and disposition of goods (such as vehicles, equipment, and tools, others) acquired for the Research Projects; and
- v. Ensure the compliance with the terms of the subcontracts, laws and regulations applicable that have a collective and material impact in the Statement of expenditures.

## **VII. COMPLIANCE WITH THE TERMS OF CONTRACTS, SUBCONTRACTS, LAWS AND APPLICABLE REGULATIONS**

To perform the compliance evaluation with the terms of the contracts, subcontracts, laws and regulations applicable, we design and audit plan that considered among other aspects, the development of the following procedures:

- a. On a selective basis, we identified the terms of the contracts, subcontracts, the laws and regulations applicable, and we determine which if not observed, may have a direct and material effect on the Statement of expenditures. For those effects:
  - i. We have enumerated all the impartial and specific clauses of the program included in the subcontracts which cumulatively, if not complied with, may have a direct and material effect on the Statement of expenditures.
  - ii. We have evaluated the inherent and control risk regarding the occurrence of a material non-compliance for each compliance requirement.
  - iii. We determine the nature, opportunity, and duration of the audit procedures to perform tests that determine if there are errors, irregularities and illegal acts, that provide a reasonable safety of detecting intentional or non-intentional non-compliance cases in regards to the terms of applicable subcontracts, regulations and laws that may have a material effect in the Statement of expenditures.
- b. Based on our sample, we determined if the payments were made in accordance with the terms applicable to the contracts, subcontracts, laws and regulations.
- c. Based on our sample, we determined if the funds were spent for non-authorized purposes or are not in accordance with the terms applicable to the subcontracts.
- d. Based on our sample, we determined if the reports of the Statement of expenditures of the Project, advances and reimbursement requests contain information that is supported by the accounting books and registries.

- e. We determine a non-statistical selection of documents as samples of expenses, where we have:
- i. Verified if the incurred expenses for the research projects have been authorized and/or approved by the main researcher, presenting the proper supporting documentation.
  - ii. Verified that the internal controls applied by the University for the acquisition of goods and services were complied in accordance with the levels of approval and minimum amount required of quotes.
  - iii. Validated that there are contracts for the acquisition of a good or service, that the deadlines established are met and the existence of service conformity or reception of the good.
  - iv. Verified the existence of the original payment receipts (Invoices, receipts, tickets, others).
  - v. Verified that the documents that support the expense do not have amendments.
- f. We determined a non-estastistical selection of documents as sample of deliveries to be reported, where we have:
- i. Verified if the deliveries to report for the research projects have been authorized and/or approved by the main researcher, presenting properly the supporting documentation.
  - ii. Validated that all the money has been transfered and reported in the estimated time by the requesting person.
  - iii. Verified the transfer to the Universidad Peruana Cayetano Heredia account, to reimburse the excess of delivery to be reported.
- g. We determined a non-estastistical selection of documents as sample of contractual expenses, where we have:
- i. Confirmed that the invoice is accompanied by the details of the expenses incurred and that these were approved by the Administration General Department – DGA to be submitted to the funding entity.
  - ii. Validated that the deadlines established in the subcontract were complied with, for the presentation of the operating reports to the funding entity.
- h. We determined a non-estastistical selection of documents for the projects, where we have:
- i. Confirmed the compliance of the submittance of operating and financial reports to the funding entity through the system Era-commons.
  - ii. Verified that the Overhead estimation is in accordance to the guidelines of NIH, and transfered to the costs centers and used for the purposes established according to the University board of directors.

- i. We determined a non-estastistical selection of documents as sample of assets acquisition, where we have:
  - i. Verified the compliance of the NIH standards in the classification of assets in expenses higher than US\$ 5'000, other minor expenses would be considered supplies.
  - ii. Validated that the assets acquired with the funding of the projects, have been properly coded and inventoried by the University and registered in the accounting.
  
- j. We determined the opened and closed projects in 2019, where we have:
  - i. Review the opening procedures of the projects and that the begining dates match with the contracts and subcontracts.
  - ii. Review the contracts, subcontracts and adendum to determine the closure date of each of the research project.
  - iii. Verified the compliance of the Board of directos of Projects' closure.
  - iv. Verified the Accounting closure of the project's costs center.

## VIII. OPPORTUNITIES OF IMPROVEMENT AND RECOMMENDATIONS

### 8.1 Projects information update in the system of sidisi projects registry

Outdated data has been evidenced in the List of Projects provided by the Finance area; which shows project completion dates not consistent with the updates, addendum and / or extensions made in the different projects. In observation of this, we show that although the addendum and / or extensions are loaded at the information level in the "contract management" module of the SIDISI system, the report generated from said system shows the "start date" and "end date" but not the updated extension date.

CENTRO DE COSTO	AÑO DE INICIO	AÑO DE TERMINO
210105012031	01-02-13	31-07-18
220205012008	01-09-17	01-09-18
220205052008	01-09-13	01-08-18
220205052019	01-07-17	30-06-18
240505012018	01-09-13	01-08-18
230305012054	01-07-16	01-06-18
210105052005	01-10-10	01-09-18
210105052043	01-04-18	30-06-18
230305052034	01-09-16	31-08-18
230305052042	01-12-13	01-11-18
230305052039	01-06-13	01-05-18
230305052051	01-05-15	01-01-18
230305052071	01-07-17	01-06-18
210105092001	01-03-17	31-12-17
210105092002	01-03-17	31-12-17
210105092006	19-09-17	31-05-18

#### **Recommendation:**

We suggest incorporating into the SIDISI system the data of the updates related to the addendum and / or contract extensions so that they can be included in the reports generated by said system and thus reflect information according to the reality that allows a better analysis for the interested parties.

#### **Comments of Universidad Peruana Cayetano Heredia**

The information of the projects is kept updated and of institutional knowledge, hence the DUICT maintains in the Decentralized System of Information and Monitoring of Research (SIDISI) the validity of each project documented with its contracts, subcontracts and addendum.

In the Excel that was sent to them for this work, it contained only cells that the user considered appropriate to reach them, so to raise this observation we proceed to attach the new list in Annex N ° 01, including the extension dates.



**8.2 Non-reconciled expenses related to the entries of employees benefits**

We have shown that the information related to the employee benefits entry provided by the Personnel Administration area does not reconcile with the accounting registries provided by the Administrative Directorate of Economy and Finance in the statements of expenditure. The detail is shown below:

N° Proyecto	Centro de costo	Base contable	Base Planillas	Diferencias
Proyecto 5	210105012036	238,431	170,190	68,242
Proyecto 9	210105012043	340,620	311,060	29,559
Proyecto 20	210105012060	273,567	261,485	12,082
Proyecto 10	210105012062	375,048	358,899	16,149
Proyecto 21	210105052005	161,703	141,108	20,595
Proyecto 22	210105052021	195,443	181,715	13,728
Proyecto 6	210105052028	548,635	487,629	61,006
Proyecto 8	210105052042	217,086	198,665	18,420
Proyecto 12	210105052044	211,535	191,046	20,490
Proyecto 4	230305012020	303,113	282,912	20,201
Proyecto 17	230305012040	207,846	193,007	14,838
Proyecto 7	230305012049	309,361	274,710	34,652
Proyecto 1	230305012056	977,187	888,327	88,859
Proyecto 24	230305012062	159,546	144,490	15,056
Proyecto 2	230305052053	822,417	764,961	57,456
Proyecto 15	230305052066	81,632	76,141	5,491
Proyecto 3	230305052079	481,172	463,454	17,719
Proyecto 23	230305052085	150,511	145,876	4,635
Proyecto 19	230305052088	121,295	117,704	3,591
Proyecto 14	240505012018	151,563	132,736	18,826
Proyecto 13	240505012033	147,129	136,822	10,307
Proyecto 18	240505052024	262,740	236,755	25,985
Proyecto 16	240505052027	320,688	289,951	30,736
Proyecto 11	240505052035	492,833	460,768	32,065

checking that the expenses of the employee benefits item are analyzed and reconciled between the corresponding areas in order to identify what they correspond to; and if necessary, make any corresponding adjustment in excess and / or defect.

**Comments of Universidad Peruana Cayetano Heredia**

The payroll expenses are reconciled monthly. The differences found have been reviewed and are supported as follows:

- Journal entries 009: used to regularize costs center in spreadsheets. Once the automatic payroll process is run, some errors are evident in the assignment of cost centers to some workers. These errors are reported to accounting by the Administrative Directorate of Personnel or the administration of a research project, who when reporting the contingency request the regularization of the cost center.

Due to the fact that the payroll process is automatic, adjustments cannot be made once it has occurred, so when detecting an error in the assignment of cost centers, only the accounting records are regularized, affecting the corresponding costs center.

- Accounting record error in the accountability: due to an involuntary error, Accounts payable for Projects registered a settlement of deliveries to be accounted for for a travel insurance expense to payroll account 62731 Complementary risk insurance for S / 479.08. This is not a payroll record, so DAP (Personnel Administrative Directorate does not consider this movement. It was an involuntary human error.
- Records that are not found in the report of the Personnel Administrative Directorate: this is due to the fact that the report issued by the Personnel Administrative Directorate for the case of liquidation of social benefits, the concepts of Essalud, work complementary insurance of risks and CTS are not included.

The reports of CTS, payroll, interns, vida ley insurance and social benefits liquidation are reconciled with the accounting.

**Comments of the Auditor**

We accept the discharges of the University; however, the complementary information related to explaining the differences identified has been received in the final stage of our audit; so we suggest to reconcile the information internally for future reviews. We conclude this observation has been corrected.

**IX. FOLLOW-UP TO RECOMMENDATIONS FROM PREVIOUS YEARS**

Below are the recommendations resulting from previous years, and his current situation:

<b>Recommendations</b>	<b>Year</b>	<b>Current Situation</b>
1. Cost of staff in the Research Project	2016	In process (*)
2. Generation of projects expense request	2019	Implemented
3. There is no uniformity in the closing procedure of cost centers when Universidad Peruana Cayetano Heredia is subcontracted	2019	In process (*)
4. Expenses of previous years registered in the year 2019	2019	Implemented
5. Budgets approved that are not registered in the project system	2019	Implemented

(\*) As of today, this process has not been implemented yet.