

UNIVERSIDAD PERUANA CAYETANO HEREDIA

Research projects funded by federal funds of the United States of North 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 2018 to 31 December 2018.

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.

Audit Report to the Statements of Expenditures for the period from 1 January 2018 to 31 December 2018.

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US\$ = U.S. dollar

INDEPENDENT AUDITOR'S REPORT

To the University Council members of Universidad Peruana Cayetano Heredia

1. We have audited the Statements of expenditures of seventy eight Research Projects (hereinafter the Projects) of **Universidad Peruana Cayetano Heredia** (a non-profit educational body), which were financed by federal funds of the United States of America, through subcontracts with Universidad Peruana Cayetano Heredia and the National Institute of Health (hereinafter, NIH) and several universities of the United States of America, respectively, from 1 January 2018 to 31 December 2018.

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

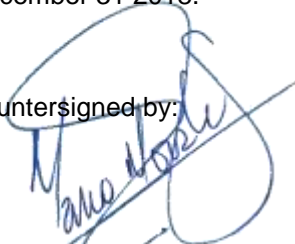
4. The Administration Directorate General of Universidad Peruana Cayetano Heredia is responsible of establishing and keeping an effective internal control. When planning and performing our audit, we consider the internal control that may have a direct and material effect on the expenditures to determine 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 2018 to 31 December 2018.

Opinión

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 2018 to December 31 2018.

Countersigned by:



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

Marco Morales Marquina (Partner)
Peruvian Certified Public Accountant
Registration N° 41412

August 23th, 2019
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 North America.

For the period from 1 January 2018 to 31 December 2018

II. INTRODUCTION

This report presents the audit results of the following Research Projects, for the period from January 1 2018 to December 31 2018:

Project 1: Improving diagnostic and management tools for neurocysticercosis (Peru-JHU TMRC program).

Project 2: International prospective observational cohort study of Zika in infants and pregnancy (ZIP study).

Project 3: Kuskaya: an interdisciplinary training program for innovation in global health.

Project 4: 1/2-regional geohealth hub centered in Peru - Peru.

Project 5: Peru infectious diseases epidemiology research training consortium.

Project 6: Combined albendazole and praziquantel in subarachnoid NCC, CCC, lead application.

Project 7: HIV prevention and care for Peruvian MSM and transgender women.

Project 8: Training in infectious diseases in Peru - time for capacity strengthening in clinical research (training in parasitic diseases and central nervous system infections).

Project 9: Paracas: program for advanced research capacities for AIDS in Peru.

Project 10: Optimizing ring screening strategy for control of Taenia solium infection.

Project 11: Translational research development for endemic infectious diseases of Amazonia.

Project 12: Tuberculosis trials consortium (TBTC).

Project 13: Peruvian/Brazilian Amazon Center of Excellence in Malaria (transmission dynamics of residual malaria in the Amazon).

Project 14: Natural infection of norovirus and sapovirus in a birth cohort in a Peruvian periurban community.

Project 15: Strengthening and consolidating resources for HIV prevention in the Peruvian military.

Project 16: Disrupting vector-borne disease transmission in complex urban environments.

Project 17: Prevalence and incidence of neonatal HSV (herpes simplex) in pre-term infants.

Project 18: Placental colonization by *Treponema pallidum*, congenital syphilis & novel vaccine.

Project 19: Use of bisphosphonates to reduce the calcification process in animal models of cysticercosis.

Project 20: *Tod@s* (transforming ourselves through dialogue, organizing, and service): an anti-violence program for transgender people in Peru.

Project 21 Liver cystic echinococcosis: pre-clinical assessment of a novel, single step Project eosinophilic treatment procedure (intracystic albendazole sulfoxide injection).

Project 22: Latin America treatment & innovation network in mental health (LATIN-MH).

Project 23: Peruvian/Brazilian Amazon Center of Excellence in Malaria (spatiotemporal adaptation of *Anopheles darlingi* in diverse ecological).

Project 24: The effect of *Strongyloides stercoralis* on HTLV-1 disease progression.

Project 25: Building sustainable and innovative research in cancer and cardiovascular disease: Planning the design and development of the South American Center of research.

- Project 26: Characterization of hippocampal sclerosis in individuals with calcified neurocysticercosis.
- Project 27: Ccasanet: caribbean, central and south america network.
- Project 28: Demonstration project to apply the principles and practices of the universal prevention curriculum (UPC) to schools in Peru 2 years.
- Project 29: Addressing the global burden of leptospirosis in two endemic countries.
- Project 30: Predictors of cardiomyopathy progression in a chagas disease cohort in Bolivia
- Project 31: Cross-sectional study to detect cases of Subarachnoid Neurocysticercosis at community level.
- Project 32: Inter-american training for innovations in emerging infectious diseases
- Project 33: Amazonian center of excellence in malaria research (immunology of asymptomatic malaria and the effects of immunity on plas).
- Project 34: Predicting risk of human leptospirosis by environmental surveillance.
- Project 35: NIH - orphan receptor.
- Project 36: Household air pollution and health: a multicountry lpg intervention trial.
- Project 37: Chaka: strengthening research support structures in the andean region.
- Project 38: Impact of fascioliasis among children in the peruvian highlands.
- Project 39: Combined albendazole plus praziquantel in subarachnoid NCC, DCC application.
- Project 40: 2/2 - regional geohealth hub centered in Peru -US.
- Project 41: ICTUS: interdisciplinary cerebrovascular diseases training program in South America
- Project 42: Improving participation in vector controls campaigns through behavioral economics.
- Project 43: Multidisciplinary training program on neuropsychiatry and behavioral disorders in first nations (NEUFIN).
- Project 44: University of california global health institute program for fellows and scholars.
- Project 45: Planning to establish a regional center of ncd research training in Peru.
- Project 46: Infectious diseases training program in bolivia: south - south training with Peru.
- Project 47: Fogarty global health fellows coordinating center (the ujmt global consortium: building research capacity through mentored training).
- Project 48: Amazonian center of excellence in malaria research (core B - data management).
- Project 49: Universal biomarkers for plasmodium vivax exoerythrocytic infection.
- Project 50: Patient-centered intervention to prevent tuberculosis among children < 5 years old.
- Project 51: Assessing how relationships between msm influence HIV prevention strategies.
- Project 52: Socio technical approach of systems to improve the process of tuberculosis diagnosis through the use of mobile technologies in health.
- Project 53: Molecular epidemiology of isolated tissue of salmonella resistant to antibiotics in poultry production as contamination risk for humans in Lima, Peru.
- Project 54: Smell as diagnostic aid for autism.
- Project 55: Launching a salt substitute to reduce blood pressure at the population level - Perú.
- Project 56: Analysis of obesity social networked at north of Peru: summary of the project for the global health scholars program.
- Project 57: Runachay: information and communication technologies for global health research.
- Project 58: Population movement and asymptomatic malaria in the peruvian amazon.
- Project 59: Structural behavioral hiv prevention for male sex workers in peru - planning a skill-building program to prevent HIV in male and transgender).
- Project 60: Fogarty global health fellows coordinating center.
- Project 61: Oxfendazole as a broad spectrum deworming medicine in humans: phase ii efficacy study in geohelminths.
- Project 62: Sexual education for teenagers.
- Project 63: Human immune signatures of dengue virus and mycobacterium tuberculosis exposure in infection, disease and vaccination.

Project 64: Evaluating corraling nad the effect of dung beetles on transmission and control of cysticercosis.

Project 65: Center for HIV identification, prevention and treatment services (CHIPTS) - link your life: linkage and retention in care for PLH.

Project 66: Novel Nanoparticular Diagnostics for Cerebral Toxoplasmosis and Chagas in HIV patients living in latinoamerica.

Project 67: Kuskaya: an interdisciplinary training program for innovation in global health - HIV/STI program science training plan for latin america.

Project 68: Paracas Award: use of mobile technology to accelerate the beginning of the antiretroviral treatment in a hospital of Lima, Peru.

Project 69: Paracas Award: Factors related to the communication of the HIV infection diagnosis made by a patient to its partner in a public hospital of Lima metropolitana reference.

Project 70: Paracas Award: Clinic follow up of patients with HIV that restart the antiretroviral treatment after quitting.

Project 71: Understanding the phenomena of HIV diagnosis disclosure to children: towards efficient interventions for Peruvian families and health services.

Project 72: Effects of drug loading and associated factors on the occurrence of adverse drug reactions (ADRS) during the first six months of highly active antiretroviral therapy (HAART) at a referral hospital.

Project 73 Paracas award: need for improvements in the care retention of patients with HIV infection in a public reference hospital in Peru.

Project 74: Inter-American e-capacity research training in infectious and chronic diseases.

Project o 75: Paracas Award: Consulting effectivity in nurse in the improvement of haart adherence in patients with hiv and alcohol consumption behavior.

Project 76: Paracas Award: Situation analysis of the sexual and reproductive health in pregraduate medical education: the case of one university in Lima, Peru.

Project 77: Paracas Award: Antiretroviral in children: experience in the hospital Edgardo Rebagliati Martins.

Project 78: Theposition of emergency in the care continuity of patients with hiv infection in a public hospital of Lima reference.

III. GENERAL INFORMATION

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 2018 to 31 December 2018.

3.3 Consolidated Statements of expenditures of the Research Projects

We present the consolidated statement of 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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

	Direct Costs									Total
	Employees Benefits	Training Expenses	Travel Expenses	Consulting Expenses	Equipment and/or Supplies	Laboratory and patient care services	Consortium	Others	Indirects Costs	
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$
Research Projects										
Project 1	299,863	2,274	38,801	50,476	82,604	13,968	75,873	43,854	59,970	667,683
Project 2	65,577	-	5,195	,	57,034	-	283,170	16,545	11,730	439,251
Project 3	50,723	63,000	3,454	,	133	-	262,820	13,566	13,961	407,657
Project 4	89,205	900	17,654	18,850	5,270	3,000	197,943	10,311	11,299	354,432
Project 5	61,643	79,119	16,339	6,739	30,704	11,971	92,653	15,957	14,485	329,610
Project 6	149,619	612	15,788	2,702	40,787	41,978	-	31,094	39,758	322,038
Project 7	166,653	180	17,900	6,621	7,882	28,732	-	48,210	18,074	294,252
Project 8	68,942	82,988	16,238	5,039	22,910	18,724	35,047	9,716	20,306	279,910
Project 9	84,630	55,974	11,833	17,673	3,461	61	75,798	10,269	10,545	270,244
Project 10	138,585	146	22,278	-	13,141	-	-	27,465	18,134	219,749
Project 11	70,779	66,557	36,598	-	19,269	202	-	5,446	11,987	210,838
Project 12	89,595	395	32,262	9,959	18,666	12,576	-	15,472	14,716	193,641
Project 13	116,063	-	15,984	-	26,880	349	-	17,697	9,582	186,555
Project 14	137,822	-	5,737	-	28,631	-	-	5,568	8,692	186,450
Project 15	115,864	5,764	10,368	7,111	1,012	-	3,574	16,380	8,276	168,349
Project 16	114,410	50	8,799	11,454	3,323	-	-	19,069	8,704	165,809
Project 17	148,175	-	485	,	735	-	-	3,645	12,004	165,044
Project 18	105,405	-	1,356	,	6,683	5,497	-	11,746	11,443	142,130
Project 19	67,108	707	4,622	11,237	18,300	5,554	-	14,389	10,067	131,984
Project 20	64,802	-	6,560	12,583	224	4,576	-	25,343	11,300	125,388
Project 21	57,809	-	12,964	12,036	14,649	3,825	-	12,329	8,837	122,449
Project 22	95,629	470	2,148	-	10	251	-	2,500	11,083	112,091
Project 23	36,879	2,500	11,924	-	11,628	505	-	25,953	6,199	95,588
Project 24	60,498	-	14	2,500	22,127	986	-	57	7,838	94,020

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For the period from 1 January 2018 to 31 December 2018

	Direct Costs									Indirects Costs	Total
	Employees Benefits	Training Expenses	Travel Expenses	Consulting Expenses	Equipment and/or Supplies	Laboratory and patient care services	Consortium	Others			
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$
Research Projects											
Project 25	74,266	-	5,114	764	1,171	3,417	-	2,936	3,879	91,547	
Project 26	12,416	-	2,369	7,250	2,291	31,769	29,289	761	5,030	91,175	
Project 27	67,607	-	-	3,400	893	2,788	-	3,554	6,364	84,606	
Project 28	45,762	12,473	607	3,804	-	-	-	11,210	4,945	78,801	
Project 29	40,207	156	4,841	-	18,321	-	-	4,625	3,183	71,333	
Project 30	43,132	50	17	367	17,253	800	-	6,002	3,096	70,717	
Project 31	33,041	-	4,033	-	5,766	6,552	-	13,638	5,145	68,175	
Project 32	27,502	-	179	2,051	35,811	-	-	289	915	66,747	
Project 33	24,486	-	18,752	-	4,915	468	-	13,884	3,487	65,992	
Project 34	47,071	-	3,610	-	4,025	-	-	2,129	6,392	63,227	
Project 35	3,971	235	13,705	2,371	37,891	-	-	515	3,371	62,059	
Project 36	50,344	-	-	-	-	-	-	4,481	2,447	57,272	
Project 37	40,686	-	4,888	4,591	1,043	-	-	1,305	3,857	56,370	
Project 38	33,923	-	1,502	-	10,414	-	-	3,826	3,973	53,638	
Project 39	38,418	-	2,560	-	552	-	6,394	3,377	692	51,993	
Project 40	-	19,064	9,281	-	1,347	-	-	19,202	2,530	51,424	
Project 41	36,755	5,326	-	6,080	-	-	-	44	2,649	50,854	
Project 42	22,417	-	2,620	15,271	217	-	-	5,207	4,295	50,027	
Project 43	16,464	15,280	10,325	-	-	-	-	861	5,837	48,767	
Project 44	6,974	16,501	1,098	-	7,347	1,988	-	6,749	4,472	45,129	
Project 45	10,079	-	1,744	3,977	43	-	10,800	7,171	2,167	35,981	
Project 46	9,604	19,257	677	500	-	-	-	3,459	1,502	34,999	
Project 47	1,329	24,274	13	1,500	210	-	-	-	957	28,283	
Project 48	13,702	-	5,471	-	813	-	-	2,637	1,828	24,451	

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 2018 to 31 December 2018

	Direct Costs									Total
	Employees Benefits	Training Expenses	Travel Expenses	Consulting Expenses	Equipment and/or Supplies	Laboratory and patient care services	Consortium	Others	Indirects Costs	
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$
Research Projects										
Project 49	5,309	12,000	1,448	-	1,676	493	-	1,016	5	21,947
Project 50	20,244	-	-	-	-	-	-	-	50	20,294
Project 51	4,022	-	28	3,971	-	3,479	-	4,852	1,186	17,538
Project 52	10,935	-	695	1,000	1,134	392	-	1,793	525	16,474
Project 53	-	9,938	2,762	-	151	-	-	1,137	-	13,988
Project 54	5,881	-	-	1,547	3,225	-	-	2,397	25	13,075
Project 55	9,655	-	-	-	-	-	-	-	3,418	13,073
Project 56	3,482	-	4,010	-	2,113	-	-	1,271	42	10,918
Project 57	175	2,000	2,074	-	-	525	-	5,949	1	10,724
Project 58	28	-	-	-	5,812	-	-	1	2,905	8,746
Project 59	6,581	-	-	-	-	-	-	395	-	6,976
Project 60	4	-	26	-	4,359	-	-	1,593	20	6,002
Project 61	262	-	-	-	3,131	-	-	-	1,619	5,012
Project 62	2,642	-	-	-	-	-	-	-	1,767	4,409
Project 63	-	-	117	-	2,131	7	-	-	1,890	4,145
Project 64	-1	-	-	-	4,102	-	-	-	-	4,101
Project 65	1,869	-	9	-	411	-	-	627	1,035	3,951
Project 66	1,943	-	-	-	1,107	-	-	475	-	3,525
Project 67	430	-	-	-	-	-	-	2,797	-	3,227
Project 68	3,119	-	-	-	-	-	-	-	-	3,119
Project 69	2,989	-	-	-	-	-	-	-	-	2,989
Project 70	2,826	-	-	-	-	-	-	-	-	2,826
Project 71	219	-	-	-	1,880	91	-	346	1	2,537
Project 72	1,551	-	-	-	-	123	-	-	-	1,674

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 2018 to 31 December 2018

	Direct Costs							Indirects Costs	Total	
	Employees Benefits	Training Expenses	Travel Expenses	Consulting Expenses	Equipment and/or Supplies	Laboratory and patient care services	Consortium			Others
	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	US\$	
Research Projects										
Project 73	-	-	-	-	-	-	-	1,495	25	1,520
Project 74	-	-	-	-	1,209	-	-	-	-	1,209
Project 75	556	-	-	270	-	-	-	-	-	826
Project 76	-	-	-	99	-	-	-	566	1	666
Project 77	300	-	-	-	81	-	-	-	-	381
Project 78	349	-	-	-	-	-	-	-	-	349
Total Expenditure	3,241,804	498,190	419,876	233,793	618,608	205,647	1,073,361	547,153	456,518	7,294,950

3.4 Individual statements of expenditures of the Research Projects

The statements of expenditure corresponding to the management from 1 January 2018 to 31 December 2018 funded directly or indirectly by NIH, are the following

Project 1

UNIVERSIDAD PERUANA CAYETANO HEREDIA

STATEMENT OF EXPENDITURE

Improving diagnostic and management tools 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 2018.

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	299,863
Training expenses	2,274
Travel expenses	38,801
Consulting expenses	50,476
Equipment and/or supplies	82,604
Laboratory and patient care services	13,968
Consortium	75,873
Other	43,854
Total direct costs	607,713
Total indirect costs - Overhead	59,970
Total Costs	667,683

Project execution period: From April 2017 to March 2022.

Project General Objective The objective of this project is to develop three research projects and three 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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Ochoa Woodell, Theresa Jean

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	65,577
Travel expenses	5,195
Equipment and/or supplies	57,034
Consortium	283,170
Other	16,545
Total direct costs	427,521
Total indirect costs - Overhead	11,730
Total costs	439,251

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Kuskaya: an interdisciplinary training program for innovation in global health**

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 2018 to 31 December 2018.

Researcher: Dra. García Funegra, Patricia

	Project Execution (*) US\$
Direct costs	
Employees' benefits	50,723
Training expenses	63,000
Travel expenses	3,454
Equipment and/or supplies	133
Consortium	262,820
Other	13,566
Total direct costs	393,696
Total indirect costs - Overhead	13,961
Total costs	407,657

Project execution period: From September 2013 to August 2019.

Project General Objective: The objective of this project is develop a new generation of innovative leaders in Global Health (Kuskaya Fellows), able to work collaboratively with colleagues from the North and South in interdisciplinary teams, framing problems to help find solutions through research.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 Institute National of Health - NIH.

For the period from 1 January 2018 to 31 December 2018.

**Researcher: Dr. Gonzales Rengifo, Gustavo
Francisco**

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	89,205
Training expenses	900
Travel expenses	17,654
Consulting expenses	18,850
Equipment and/or supplies	5,270
Laboratory and patient care services	3,000
Consortium	197,943
Other	10,311
Total direct costs	343,133
Total indirect costs - Overhead	11,299
Total costs	354,432

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Peru infectious diseases epidemiology research training consortium**

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 2018 to 31 December 2018.

**Researcher: Dr. Lescano Guevara, Andrés
Guillermo**

	Project Execution (*) US\$
Direct costs	
Employees' benefits	61,643
Training expenses	79,119
Travel expenses	16,339
Consulting expenses	6,739
Equipment and/or supplies	30,704
Laboratory and patient care services	11,971
Consortium	92,653
Other	15,957
Total direct costs	315,125
Total indirect costs - Overhead	14,485
Total costs	329,610

Project execution period: From September 2005 to February 2020.

Project General Objective: The objective of this project is to train students to achieve a capacity to respond to emerging infectious diseases.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 6

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 2018 to 31 December 2018.

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	149,619
Training expenses	612
Travel expenses	15,788
Consulting expenses	2,702
Equipment and/or supplies	40,487
Laboratory and patient care services	41,978
Other	31,094
Total direct costs	282,280
Total indirect costs - Overhead	39,758
Total costs	322,038

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 2018 to 31 December 2018.

Project 7

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****HIV prevention and care for peruvian MSM and transgender women**

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

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Cáceres Palacios Carlos
Fernando

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	166,653
Training expenses	180
Travel expenses	17,900
Consulting expenses	6,621
Equipment and/or supplies	7,882
Laboratory and patient care services	28,732
Other	48,210
Total direct costs	276,178
Total indirect costs - Overhead	18,074
Total costs	294,252

Project execution period: From February 2016 to December 2020.

Project General Objective: The objective of this research is to improve the quality of attention of HIV prevention and treatment directed to the MSM and transwomen population in the intervention zone; in the context of proper attention to the population needs, considering as framework an approach of right to health in the context of continuous prevention and attention of VIH.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Training in infectious diseases in peru - time for capacity strengthening in clinical research (training in parasitic diseases and central nervous system infections)**

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 2018 to 31 December 2018.

Researcher: Dra. García Lescano, Héctor Hugo

	Project Execution (*) US\$
Direct costs	
Employees' benefits	68,942
Training expenses	82,988
Travel expenses	16,238
Consulting expenses	5,039
Equipment and/or supplies	22,910
Laboratory and patient care services	18,724
Consortium	35,047
Other	9,716
Total direct costs	259,604
Total indirect costs - Overhead	20,306
Total costs	279,910

Project execution period: From July 1999 to February 2021.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas: program for advanced research capacities for aids in Peru**

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 2018 to 31 December 2018.

Researcher: Dr. Gotuzzo Herencia, José Eduardo

	Project Execution (*) US\$
Direct costs	
Employees' benefits	84,630
Training expenses	55,974
Travel expenses	11,833
Consulting expenses	17,673
Equipment and/or supplies	3,461
Laboratory and patient care services	61
Consortium	75,798
Other	10,269
Total direct costs	259,699
Total indirect costs - Overhead	10,545
Total costs	270,244

Project execution period: From August 2014 to 01st March 2019.

Project General Objective: The objective of this project is to consolidate a mature HIV research training framework at Universidad Peruana Cayetano Heredia (UPCH), in which outstanding young or mid-career health researchers will reach scientific autonomy by providing sound evidence for the implementation of optimized and efficient care models that comprehensibly address the fact that HIV is rather a chronic, prolonged condition.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Early detection of congenital Chagas disease**

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 2018 to 31 December 2018.

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	138,585
Training expenses	146
Travel expenses	22,278
Equipment and/or supplies	13,141
Other	27,465
Total direct costs	201,615
Total indirect costs - Overhead	18,134
Total costs	219,749

Project execution period From December 2013 to November 2019.

Project General Objective: The goal of this project is to perform a prospective clinical intervention based on the community with 5 study arms buying intervention strategies in rings versus massive treatments for the control of T. solium transmission.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 University Of California, San Diego.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gamboa Vilela Dionicia

	Project Execution (*) US\$
Direct costs	
Employees' benefits	70,779
Training expenses	66,557
Travel expenses	36,598
Equipment and/or supplies	19,269
Laboratory and patient care services	202
Other	5,446
Total direct costs	198,851
Total indirect costs - Overhead	11,987
Total costs	210,838

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Gamboa Vilela Dionicia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	89,595
Training expenses	395
Travel expenses	32,262
Consulting expenses	9,959
Equipment and/or supplies	18,666
Laboratory and patient care services	12,576
Other	15,472
Total direct costs	178,925
Total indirect costs - Overhead	14,716
Total costs	193,641

Project execution period: From October 2010 to September 2019.

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 2018 to 31 December 2018.

Project 13

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 2018 to 31 December 2018.

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	116,063
Travel expenses	15,984
Equipment and/or supplies	26,880
Laboratory and patient care services	349
Other	17,697
Total direct costs	176,973
Total indirect costs - Overhead	9,582
Total costs	186,555

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 2018 to 31 December 2018.

Project 14

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 2018 to 31 December 2018.

Researcher: Dr. Mirko Zimic Peralta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	137,822
Travel expenses	5,737
Equipment and/or supplies	28,631
Other	5,568
Total direct costs	177,758
Total indirect costs - Overhead	8,692
Total costs	186,450

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 2018 to 31 December 2018.

Project 15

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Strengthening and consolidating resources for vih prevention in the peruvian military**

Research Project funded by federal funds of the United States of America, under subcontract with Navsup Fleet Logistics Support Center.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Cáceres Palacios, Carlos
Fernando

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	115,864
Training expenses	5,764
Travel expenses	10,368
Consulting expenses	7,111
Equipment and/or supplies	1,012
Consortium	3,574
Other	16,380
Total direct costs	160,073
Total indirect costs - Overhead	8,276
Total costs	168,349

Project execution period: From March 2015 to September 2019.

Project General Objective: The objective of this project is to create a program focused on improving access to HIV prevention in military population in mayor risk of four regions of the country during its first year (Lima-Callao, Piura, Iquitos and Arequipa), by strengthening existing resources through the administration of Comité de Prevención y Control de VIH/SIDA (COPRECOS –PERU).

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 16

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 2018 to 31 December 2018.

Researcher: Dr. Naquira Velarde, Cesar Gabriel

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	114,410
Training expenses	50
Travel expenses	8,799
Consulting expenses	11,454
Equipment and/or supplies	3,323
Other	19,069
Total direct costs	157,105
Total indirect costs - Overhead	8,704
Total costs	165,809

Project execution period: From June 2013 to May 2019.

Project General Objective: The objective of this project 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 2018 to 31 December 2018.

Project 17

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 of the United States of America, under “subcontract” with University Of Alabama.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Cárcamo Cavagnaro, Cesar Paul

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	148,175
Travel expenses	485
Equipment and/or supplies	735
Other	3,645
Total direct costs	153,040
Total indirect costs - Overhead	12,004
Total costs	165,044

Project execution period: From August 2016 to March 2021.

Project General Objective: The objective of this project is to estimate the incidence of neonatal Herpes by combining two components: i) to determine the prevalence of Herpes simplex virus (HSV) infection confirmed by Polymerase Chain Reaction (PCR) in neonates with the diagnosis of suspected Sepsis or Meningitis (SSM) and ii) to estimate the incidence of SSM in a cohort prospective of newborns.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 18

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 2018 to 31 December 2018.

Researcher: Dr. Arturo Centurion Lara

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	105,405
Travel expenses	1,356
Equipment and/or supplies	6,683
Laboratory and patient care services	5,497
Other	11,746
Total direct costs	130,687
Total indirect costs - Overhead	11,443
Total costs	142,130

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 2018 to 31 December 2018.

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 Institute National of Health - NIH.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Bustos Palomino, Javier Arturo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	67,108
Training expenses	707
Travel expenses	4,622
Consulting expenses	11,237
Equipment and/or supplies	18,300
Laboratory and patient care services	5,554
Other	14,389
Total direct costs	121,917
Total indirect costs - Overhead	10,067
Total costs	131,984

Project execution period: From March 2015 to February 2020.

Project General Objective: The objective of this project 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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Tod@s (transforming ourselves through dialogue, organizing, and service): an anti-violence program for transgender people in Peru**

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 2018 to 31 December 2018.

Researcher: Dr. Silva Santisteban, Portella
Alfonso

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	64,802
Travel expenses	6,560
Consulting expenses	12,583
Equipment and/or supplies	224
Laboratory and patient care services	4,576
Other	25,343
Total direct costs	114,088
Total indirect costs - Overhead	11,300
Total costs	125,388

Project execution period Period of Project execution: 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 2018 to 31 December 2018.

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 Institute National of Health - NIH.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Santivañez Saúl

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	57,809
Travel expenses	12,964
Consulting expenses	12,036
Equipment and/or supplies	14,649
Laboratory and patient care services	3,825
Other	12,329
Total direct costs	113,612
Total indirect costs - Overhead	8,837
Total costs	122,449

Project execution period: From March 2016 to February 2021.

Project General Objective: The objective of this project 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 2018 to 31 December 2018.

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 “subcontract” with Fundacao Faculdade de Medicina.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	95,629
Consulting expenses	470
Travel expenses	2,148
Equipment and/or supplies	10
Laboratory and patient care services	251
Other	2,500
Total direct costs	101,008
Total indirect costs - Overhead	11,083
Total costs	112,091

Project execution period: From September 2013 to August 2019.

Project General Objective: The objective of this project is to collaborate to reduce the treatment gap of depression in Latin America, using treatment models of recognized effectiveness, 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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	36,879
Training expenses	2,500
Travel expenses	11,924
Equipment and/or supplies	11,628
Laboratory and patient care services	505
Other	25,953
Total direct costs	89,389
Total indirect costs - Overhead	6,199
Total costs	95,588

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 2018 to 31 December 2018.

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 Institute National of Health - NIH.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Montes Delgado Martin

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	60,498
Travel expenses	14
Consulting expenses	2,500
Equipment and/or supplies	22,127
Laboratory and patient care services	986
Other	57
Total direct costs	86,182
Total indirect costs - Overhead	7,838
Total costs	94,020

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 indium 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 expansion 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 2018 to 31 December 2018.

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 Iec

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	74,266
Travel expenses	5,114
Consulting expenses	764
Equipment and/or supplies	1,171
Laboratory and patient care services	3,417
Other	2,936
Total direct costs	87,668
Total indirect costs - Overhead	3,879
Total costs	91,547

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Characterization of hippocampal sclerosis in individuals with calcified neurocysticercosis**

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 2018 to 31 December 2018.

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	12,416
Travel expenses	2,369
Consulting expenses	7,250
Equipment and/or supplies	2,291
Laboratory and patient care services	31,769
Consortium	29,289
Other	761
Total direct costs	86,145
Total indirect costs - Overhead	5,030
Total costs	91,175

Project execution period: From July 2016 to December 2018.

Project General Objective: The objective of this project is to demonstrate the association between Neuro Cysticercosis (NCC) and Human Subjects (HS) when comparing the proportion of individuals with HS in patients with calcified NCC and in controls without NCC. As well as, determine the factors associated with HS in patients with calcified CCN, as shown by history and visual analysis of Magnetic resonance imaging (MRI) (such as number and location of lesions, duration of epilepsy, seizures, etc.).

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Gotuzzo Herencia, José Eduardo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	67,607
Consulting expenses	3,400
Equipment and/or supplies	893
Laboratory and patient care services	2,787
Other	3,554
Total direct costs	78,242
Total indirect costs - Overhead	6,364
Total costs	84,606

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 2018 to 31 December 2018.

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 the American Embassy Lima.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Salazar Silva, Fernando

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	45,762
Training expenses	12,473
Travel expenses	607
Consulting expenses	3,804
Other	11,210
Total direct costs	73,856
Total indirect costs - Overhead	4,945
Total costs	78,801

Project execution period: From April 2018 to March 2020.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Torres Fajardo, Katherine Jessica

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	40,207
Training expenses	156
Travel expenses	4,841
Equipment and/or supplies	18,321
Other	4,625
Total direct costs	68,150
Total indirect costs - Overhead	3,183
Total costs	71,333

Project execution period: From September 2015 to February 2020.

Project General Objective: The objective of this project is i) to develop well-characterized collections of serum and urine from patients with definitively diagnosed Leptospirosis; and ii) to identify the most important medical Leptospire that cause disease in geographically distinct areas (quantitatively and those associated with extreme spectra of disease, mild to severe).

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Verastegui Pimentel, Manuela

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	43,132
Training expenses	50
Travel expenses	17
Consulting expenses	367
Equipment and/or supplies	17,253
Laboratory and patient care services	800
Other	6,002
Total direct costs	67,621
Total indirect costs - Overhead	3,096
Total costs	70,717

Project execution period: From February 2014 to January 2019.

Project General Objective: The objective of this project is to determine whether the treatment of biomarkers used for the early detection of Chagas disease to the heart may reflect early changes in cardiac structure and function, substances such as natriuretic type B peptide 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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Transversal study to detect cases of casos de subarahnoid 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 2018 to 31 December 2018.

Researcher: Dr. Garcia Lescano, Hector Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	33,041
Travel expenses	4,033
Equipment and/or supplies	5,766
Laboratory and patient care services	6,552
Other	13,638
Total direct costs	63,030
Total indirect costs - Overhead	5,145
Total costs	68,175

Project execution period: From July 2018 to June 2023.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	27,502
Travel expenses	179
Consulting expenses	2,051
Equipment and/or supplies	35,811
Other	289
Total direct costs	65,832
Total indirect costs - Overhead	915
Total costs	66,747

Project execution period: From September 2016 to August 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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Gamboa Vilela, Dionicia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	24,486
Travel expenses	18,752
Equipment and/or supplies	4,915
Laboratory and patient care services	468
Other	13,884
Total direct costs	62,505
Total indirect costs - Overhead	3,487
Total costs	65,992

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. We intend to validate the biomarkers defined, and to interrogate whether asymptomatic patients are prone to develop no diseases in recurrent infections.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 la Universidad de California San Francisco.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Torres Fajardo, Katherine Jessica

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	47,071
Travel expenses	3,610
Equipment and/or supplies	4,025
Other	2,129
Total direct costs	56,835
Total indirect costs - Overhead	6,392
Total costs	63,227

Project execution period: From June 2013 to May 2018.

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Vaisberg Wolach, Abraham Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	3,971
Training expenses	235
Travel expenses	13,705
Consulting expenses	2,371
Equipment and/or supplies	37,891
Other	515
<u>Project execution period</u>	<u>58,688</u>
<u>Project execution period</u>	<u>3,371</u>
<u>Project execution period</u>	<u>62,059</u>

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	50,344
Other	4,481
Total direct costs	54,825
Total indirect costs - Overhead	2,447
Total costs	57,272

Project execution period: From September 2016 to June 2019.

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Michelle Chan

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	40,686
Travel expenses	4,888
Consulting expenses	4,591
Equipment and/or supplies	1,043
Other	1,305
Total direct costs	52,513
Total indirect costs - Overhead	3,857
Total costs	56,370

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Cabada Samame, Miguel

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	33,923
Travel expenses	1,502
Equipment and/or supplies	10,414
Other	3,826
Total direct costs	49,665
Total indirect costs - Overhead	3,973
Total costs	53,638

Project execution period: From February 2013 to July 2018.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Combined albendazole plus praziquantel in subarachnoid NCC, DCC 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 2018 to 31 December 2018.

Researcher: Dr. Lescano Guevara, Andrés
Guillermo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	38,418
Travel expenses	2,560
Equipment and/or supplies	552
Consortium	6,394
Other	3,377
Total direct costs	51,301
Total indirect costs - Overhead	692
Total costs	51,993

Project execution period: From September 2015 to July 2020.

Project General Objective: The objective of this project is to establish a Data Coordination Center (DCC) for the National Institutes of Health (NIH) / National Institute of Neurological Disorders and Stroke (NINDS) clinical trial application entitled "A Randomized Trial of Combined Albendazole Plus Praziquantel for Subarachnoid Cysticercosis of the Sylvian Fissure or the Basal Cisterns". In the study mentioned above five years, a total of 164 subjects, the subjects will be enrolled in a randomized, double-blind clinical trial with 12 months of follow-up each.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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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 2018 to 31 December 2018.

Researcher: Dr. Gonzales Rengifo, Gustavo
Francisco

	Project Execution (*)
	US\$
Direct costs	
Training expenses	19,064
Travel expenses	9,281
Equipment and/or supplies	1,347
Other	19,202
Total direct costs	48,894
Total indirect costs - Overhead	2,530
Total costs	51,424

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 2018 to 31 December 2018.

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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 subcontract with University Of Washington.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. García Lescano Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	36,755
Training expenses	5,326
Consulting expenses	6,080
Other	44
Total direct costs	48,205
Total indirect costs - Overhead	2,649
Total costs	50,854

Project execution period: From June 2016 to May 2019.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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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 2018 to 31 December 2018.

Researcher: Dr. Naquira Velarde, Cesar Gabriel

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	22,417
Travel expenses	2,620
Consulting expenses	15,271
Equipment and/or supplies	217
Other	5,207
Total direct costs	45,732
Total indirect costs - Overhead	4,295
Total costs	50,027

Project execution period: From June 2014 to May 2019.

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Gallo López-Aliaga Carla María

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	16,464
Training expenses	15,280
Travel expenses	10,325
Other	861
Total direct costs	42,930
Total indirect costs - Overhead	5,837
Total costs	48,767

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 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dr. Lescano Guevara, Andrés
Guillermo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	6,974
Training expenses	16,501
Travel expenses	1,098
Equipment and/or supplies	7,347
Laboratory and patient care services	1,988
Other	6,749
Total direct costs	40,657
Total indirect costs - Overhead	4,472
Total costs	45,129

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Planning to establish a regional center of ncd research training in Peru**

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 2018 to 31 December 2018.

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	10,079
Travel expenses	1,744
Consulting expenses	3,977
Equipment and/or supplies	43
Consortium	10,800
Other	7,171
Total direct costs	33,814
Total indirect costs - Overhead	2,167
Total costs	35,981

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Infectious diseases training program in Bolivia: south - south training with Peru**

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

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	9,604
Training expenses	19,257
Travel expenses	677
Consulting expenses	500
Other	3,459
Total direct costs	33,497
Total indirect costs - Overhead	1,502
Total costs	34,999

Project execution period: From May 2015 to January 2020.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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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 2018 to 31 December 2018.

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	1,329
Training expenses	24,274
Travel expenses	13
Consulting expenses	1,500
Equipment and/or supplies	210
Total direct costs	27,326
Total indirect costs - Overhead	957
Total costs	28,283

Project execution period: From April 2012 to June 2022.

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 2018 to 31 December 2018.

Researcher: Dra. Gamboa Vilela Dionicia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	13,702
Travel expenses	5,471
Equipment and/or supplies	813
Other	2,637
Total direct costs	22,623
Total indirect costs - Overhead	1,828
Total costs	24,451

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 2018 to 31 December 2018.

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 contract with University Of California.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Calla Choque, Jaeson Santos

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	5,309
Training expenses	12,000
Travel expenses	1,448
Equipment and/or supplies	1,676
Laboratory and patient care services	493
Other	1,016
Total direct costs	21,942
Total indirect costs - Overhead	5
Total costs	21,947

Project execution period: From July 2018 to June 2019.

Project General Objective: The goal is to create better reagents for P. VIVAX drug discovery, to create biomarkers for P. VIVAX infections that may lead to new diagnostic tests, and to study the P. VIVAX hypnozoites with a goal of finding new drug-able pathways.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Patient-centered intervention to prevent tuberculosis among children < 5 years old**

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 2018 to 31 December 2018.

Researcher: Dra. Otero Vegas Larissa

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	20,244
Total direct costs	20,244
Total indirect costs - Overhead	50
Total costs	20,294

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 preventive therapy with isoniazid (TPI) in children < 5 years who have been prescribed with TPI. As well as determining the feasibility and acceptability and measure the effectivity of the package of intervention in increasing the adherence and termination of the TPI.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Assesing how relationships between msm influence hiv prevention strategies**

Research Project funded by federal funds of the United States of America, under subcontract with The Regents Of The University Of California, Los Angeles.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Kelika Konda - Dr. Carlos Cáceres

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	4,022
Travel expenses	28
Consulting expenses	3,971
Laboratory and patient care services	3,479
Other	4,852
Total direct costs	16,352
Total indirect costs - Overhead	1,186
Total costs	17,538

Project execution period: From January 2015 to June 2019.

Project General Objective: The objective of this project is: i) to explore the nature of sexual relationships between MSM and generate a theory about how relationships between MSM influence the use and acceptance of existing and new human immunodeficiency virus (HIV) / sexually transmitted infections (STI) prevention strategies, through qualitative data, ii) to examine the influence of Men who have sex with men (MSM) sexual relations in their sexual risk behavior and in their acceptance of existing and new HIV / STI prevention strategies, including information on sexual dyads, through a quantitative survey, and iii) developing a multi-component intervention for MSM using small groups and Couples Voluntary Counseling and Testing (CVCT) with a focus n the relationship status of individuals based on the results of objectives i) and ii).

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Socio-technical approach of systems to improve the process of tuberculosis diagnosis 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 2018 to 31 December 2018.

Researcher: Dr. Ugarte Gil, Cesar Augusto

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	10,935
Travel expenses	695
Consulting expenses	1,000
Equipment and/or supplies	1,134
Laboratory and patient care services	392
Other	1,793
Total direct costs	15,949
Total indirect costs - Overhead	525
Total costs	16,474

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 system of health care provision for the diagnosis of Tuberculosis in EESS of the Ministry of Health through the implementation of a social-technical solution of systems for the problem of Tuberculosis diagnosis in the Health Departments of Center of Lima and East of Lima.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Molecular epidemiology of isolated tissue of salmonella resistant to antibiotics in poultry production as contamination risk for humans in Lima, Perú**

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

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Lescano Guevara, Andres Guillermo

	Project Execution (*)
	US\$
Direct costs	
Training expenses	9,938
Travel expenses	2,762
Equipment and/or supplies	151
Other	1,137
Total direct costs	13,988
Total indirect costs - Overhead	-
Total costs	13,988

Project execution period: From July 2018 to December 2019..

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

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Smell as diagnostic aid for autism.**

Research Project funded by federal funds of the United States of America, under "Cooperating agreement" con Johns Hopkins University.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	5,881
Consulting expenses	1,547
Equipment and/or supplies	3,225
Other	2,397
Total direct costs	13,050
Total indirect costs - Overhead	25
Total costs	13,075

Project execution period: From July 2017 to June 2018.

Project General Objective: The objective of this research is to develop a method to perform an early diagnosis of autism in children in regard to the pupil reactions. It is possible to detect a positive correlation between them. The diagnosis tool resulting from joining the technique developed currently with others already developed obtained very complex rates of sensitivity and specialty.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Launching a salt substitute to reduce blood pressure at the population level - 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 2018 to 31 December 2018.

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	9,655
Total direct costs	9,655
Total indirect costs - Overhead	3,418
Total costs	13,073

Project execution period: From May 2012 to March 2018.

Project General Objective: The objective of this project is to implement a salt replacement intervention in the population to cope with high blood pressure. The data generated and the lessons learned from this study will provide a solid platform to address possible interventions applicable to other similar low and middle income environments.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Analysis of obesity social networked 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 2018 to 31 December 2018.

Researcher: Dr. Miranda Montero, Juan Jaime

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	3,482
Travel expenses	4,010
Equipment and/or supplies	2,113
Other	1,271
Total direct costs	10,876
Total indirect costs - Overhead	42
Total costs	10,918

Project execution period: From July 2017 to December 2018

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Runachay: information and communication technologies for global health research**

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 2018 to 31 December 2018.

Researcher: Dra. Blas Blas, Magaly Marlitz

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	175
Training expenses	2,000
Travel expenses	2,074
Laboratory and patient care services	525
Other	5,949
Total direct costs	10,723
Total indirect costs - Overhead	1
Total costs	10,724

Project execution period: From May 2014 to April 2018.

Project General Objective: The objective of this project is to develop an electronic platform to offer distance learning opportunities in Spanish in the short and medium term in research and in the use of Information and Communications Technologies (ICT) for research in Global Health.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Population movement and asymptomatic malaria in the peruvian amazon**

Research Project funded by federal funds of the United States of America, under “subcontract” with The Regents Of The University Of California.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Lescano Guevara, Andres
Guillermo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	28
Equipment and/or supplies	5,812
Other	1
Total direct costs	5,841
Total indirect costs - Overhead	2,905
Total costs	8,746

Project execution period: From August 2016 to July 2018.

Project General Objective: The objective of this project is to understand the behaviour and the transportation of people of zungarococha inside and outside the community, The local study team will make 4-5 focal groups from 6 to 10 people for a total from 24 to 50 participants of the focal groups.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 59

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Structural behavioral hiv prevention for male sex workers in peru - planning a skill-building program to prevent HIV in male an transgender)**

Research Project funded by federal funds of the United States of America, under “subcontract” with University Of California, Los Angeles.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. García Funegra, Patricia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	6,581
Other	395
Total direct costs	6,976
Total indirect costs - Overhead	-
Total costs	6,976

Project execution period: From August 2014 to June 2018.

Project General Objective: The objective of this project is to carry out planning to develop and evaluate a Capacity Building Program (CBP) to prevent human immunodeficiency virus (HIV) / Sexually Transmitted Infections (STIs) among male and trans sex workers (MTSW) in Lima.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 60

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Fogarty global health fellows coordinating center**

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 2018 to 31 December 2018.

Researcher: Dr. Cáceres Palacios, Carlos Fernando

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	4
Travel expenses	26
Equipment and/or supplies	4,359
Other	1,593
Total direct costs	5,982
Total indirect costs - Overhead	20
Total costs	6,002

Project execution period: From August 2014 to July 2016. There is a consent from the Mentor in the United States of the Program to continue executing expenses after the termination date of the subcontract, to comply with the project's objectives. Up to the date of our review the Administration estimated that the Project will be completed during the last quarter of 2019.

Project General Objective: The objective of this project is to promote research capacity in low-income countries and in particular to develop the next generation of clinical researchers, strengthen international health research capacity and foster global health collaboration.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Oxfendazole as a broad spectrum deworming medicine in humans: phase ii efficacy study in geohelminths**

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

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. García Lescano, Héctor Hugo

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	262
Equipos y/o suministros	3,131
Total direct costs	3,393
Total indirect costs - Overhead	1,619
Total costs	5,012

Project execution period: From July 2016 to December 2017.

Project General Objective: The objective of this project is to demonstrate the efficacy of Oxfendazole (OXF) in the treatment of Trichuris trichiura, based on the preclinical data of the OXF as a method of deworming.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 contract with la UCLA.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Condor Camara, Daniel Flavio

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	2,642
Total direct costs	2,642
Total indirect costs - Overhead	1,767
Total costs	4,409

Project execution period: From June 2018 to December 2019.

Project General Objective: The objective of this research is to evaluate the acceptance and feasibility of groupal sexual health education intervention for young people that live with HIV and their health care providers.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Human immune signatures of dengue virus and mycobacterium tuberculosis exposure in infection, disease and vaccination**

Research Project funded by federal funds of the United States of America, under “subcontract” with La Jolla Institute For Allergy And Immunology (Liai).

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Gilman Robert

	Project Execution (*)
	US\$
Direct costs	
Travel expenses	117
Equipment and/or supplies	2,131
Laboratory and patient care services	7
Total direct costs	2,255
Total indirect costs - Overhead	1,890
Total costs	4,145

Project execution period: From June 2015 to December 2018.

Project General Objective: The objective of this project is to characterize immune signatures (IMS) in individuals associated with four different states of Mycobacterium tuberculosis (MTB) exposure, those who have i) a contained latent infection, ii) an uncontrollable infection characterized as active disease, iii) received Bacillus de Calmette and Guérin, better known by its acronym BCG, is the tuberculosis vaccine or experimental vaccination; and iv) non-exposed individuals who were not vaccinated and without evidence of past or present infection.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Evaluating corraling nad the effect of dung beetles on transmission and control of cysticercosis**

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 2018 to 31 December 2018.

Researcher: Dr. González Zariquiey, Armando

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	-1
Equipment and/or supplies	4,102
Total direct costs	4,101
Total indirect costs - Overhead	-
Total costs	4,101

Project execution period: From July 2015 to June 2017.

Project General Objective: The objective of this project is to evaluate the effect of corrals and coprophagous beetles in the transmission of Porcine Cysticercosis using a longitudinal study that evaluates the incidence in three groups of pigs, freely bred, raised in pen and raised in pens with nets that prevent the entrance of beetles.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 65

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Center for hiv identification, prevention and treatment services (CHIPTS) - link your life: linkage and retention in care for PLH**

Research Project funded by federal funds of the United States of America, under “subcontract” with University Of California, Los Angeles.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Egoavil Ayala, Miguel Sebastián

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	1,869
Travel expenses	9
Equipment and/or supplies	411
Other	627
Total direct costs	2,916
Total indirect costs - Overhead	1,035
Total costs	3,951

Project execution period: From March 2017 to January 2018.

Project General Objective: The objective of this project is to develop a description of the linkage process of newly diagnosed People living with HIV (PLHIV) from key populations in Lima, Peru.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 66

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 2018 to 31 December 2018.

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	1,943
Equipment and/or supplies	1,107
Other	475
Total direct costs	3,525
Total indirect costs - Overhead	-
Total costs	3,525

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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Kuskaya: an interdisciplinary training program for innovation in global health - HIV/STI program science training plan for Latin America**

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 2018 to 31 December 2018.

Researcher: Dra. García Funegra, Patricia

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	430
Other	2,797
Total direct costs	3,227
Total indirect costs - Overhead	-
Total costs	3,227

Project execution period: From September 2013 to August 2019.

Project General Objective:

The objective of this project is to implement a training plan in Sciences of the Programs for human immunodeficiency virus (HIV) / Sexually Transmitted Infections (STIs) for Latin American researchers, professionals and public health managers

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas Award: 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 "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	3,119
Total direct costs	3,119
Total indirect costs - Overhead	-
Total costs	3,119

Project execution period: From March 2017 to May 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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas Award: Factors associated with communication of HIV infection made by the patient to his/her couple in a public hospital of lima metropolitan reference.**

Research Project funded by federal funds of the United States of America, under "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	2,989
Total direct costs	2,989
Total indirect costs - Overhead	-
Total costs	2,989

Project execution period: From March 2017 to May 2019.

Project General Objective: The objective of this project is to identify the factors associated with HIV disclosure.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Clinical 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 "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	2,826
Total direct costs	2,826
Total indirect costs - Overhead	-
Total costs	2,826

Project execution period: From April 2018 to October 2019.

Project General Objective: The objective of this research is to determine the virus suppression and the mortality of PVVS that restart TARV, after an abandonment episode. Determine if the background of having abandonment episodes is a mortality risk factor.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 71

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Understanding the phenomena of disclosing the HIV diagnosis to the children: toward efficient interventions for Peruvian families and Health services**

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 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	219
Equipment and/or supplies	1,880
Laboratory and patient care services	91
Other	346
Total direct costs	2,536
Total indirect costs - Overhead	1
Total costs	2,537

Project execution period: From April 2017 to May 2018.

Project General Objective: The objective of this project is to deeply understand the evolution of the meaning and experience of HIV diagnosis disclosure among Peruvian children, from their perspective as young adults, triangulated with those from caretakers and health professionals .

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA

STATEMENT OF EXPENDITURE

Effects of drug loading and associated factors on the occurrence of adverse drug reactions (ADRS) during the first six months of highly active antiretroviral therapy (HAART) at a referral hospital

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 2018 to 31 December 2018.

Researcher: Dra. González Lagos, Elsa Violeta/
Dr. Legua Leiva, Pedro Esteban

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	1,551
Laboratory and patient care services	123
Total direct costs	1,674
Total indirect costs - Overhead	-
Total costs	1,674

Project execution period: From August 2016 to May 2019.

Project General Objective: The objective of this project is to evaluate, in patients who initiate HAART, the effect of drug loading, alcoholism, drug use, hepatitis B, hepatitis C, chronic kidney disease and depression as risk factors for the appearance of ADR during the first 6 months of treatment.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 73

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas award: need for improvements in the care retention of patients with HIV infection in a public reference hospital in Peru**

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 2018 to 31 December 2018.

Researcher: Dr. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Other	1,495
Total direct costs	1,495
Total indirect costs - Overhead	-
Total costs	1,520

Project execution period: From September 2015 to May 2019.

Project General Objective: The objective of this project is to evaluate the need for interventions to improve the retention in the care of People living with HIV (PLWHA) in Hospital Nacional Cayetano Heredia (HNCH), identifying and exploring the association between social factors and retention in care in HNCH PLWHA through the use of mixed methods in successive phases.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Inter-American e-capacity research training in infectious and chronic diseases**

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

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Zimic Peralta, Mirko

	Project Execution (*)
	US\$
Direct costs	
Equipment and/or supplies	1,209
Total direct costs	1,209
Total indirect costs - Overhead	-
Total costs	1,209

Project execution period: From May 2015 to April 2017.

Project General Objective: The objective of this project is to carry out pilot e-Learning capacity building projects using examples of research training in collaborative projects.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

Project 75

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas Award: effectivity of the nursing counseling in the adherence improvement to HAART in patients with HIV and alcohol consumption behavior**

Research Project funded by federal funds of the United States of America, under "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dr. Echevarria Zarate, Juan

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	556
Consulting expenses	270
Total direct costs	826
Total indirect costs - Overhead	-
Total costs	826

Project execution period: From February 2017 to May 2019.

Project General Objective: The objective of this project is to determine the effectivity of the nursing counseling in the change of 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 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas Award: 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 "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Consulting expenses	99
Other	566
Total direct costs	665
Total indirect costs - Overhead	1
Total costs	666

Project execution period: From September 2017 to May 2019.

Project General Objective: The objective of this project is to evaluate the characteristics of the students of medicine in sexual and reproductive health.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****Paracas Award: Antiretroviral in children: experience in Hospital Edgardo Rebagliati Martins**

Research Project funded by federal funds of the United States of America, under "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	300
Equipment and/or supplies	81
Total direct costs	381
Total indirect costs - Overhead	-
Total costs	381

Project execution period: From February 2016 to May 2019

Project General Objective: The objective of this project is to describe the clinical and lab evolution of a group of children and teenagers living with HIV from Hospital Nacional Edgardo Rebagliati Martins (HNERM) during the period 1997-2016.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

UNIVERSIDAD PERUANA CAYETANO HEREDIA**STATEMENT OF EXPENDITURE****The role of the emergency in the care continuity of patients with HIV in a public hospital in Lima reference**

Research Project funded by federal funds of the United States of America, under "other" (award) of the Project Paracas.

For the period from 1 January 2018 to 31 December 2018.

Researcher: Dra. Gonzalez Lagos, Elsa Violeta

	Project Execution (*)
	US\$
Direct costs	
Employees' benefits	349
Total direct costs	349
Total indirect costs - Overhead	-
Total costs	349

Project execution period: From February 2017 to May 2019.

Project General Objective: The objective of this project is to describe the role of the local ED in the context of the Continuous in Care for PLWH.

(*) It includes the duration of our review, from 1 January 2018 to 31 December 2018.

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 2018 to 31 December 2018. 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 2018 to 31 December 2018. 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 North 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.
- Description of the 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 2018 to 31 December 2018. 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 list 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
 - Existance
 - Accuracy
 - Valuation
 - Obligation
 - Presentation
- d. We evaluate the control environment, the sufficiency of the accounting system and the control procedures. It was emphasize 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.
- e. We evaluated the control procedures established to ensure the compliance with the shared costs requirements.

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 simple, we determined if the payments were made in accordance with the terms applicable to the contracts, subcontracts, laws and regulations.
- c. Based on our simple, 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 simple, 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 University account, to reimburse the excess of delivry 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 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 2018, where we have:
 - i. Review the opening procedures of the projects and that the begining dates match with the contracts and subcontracts.
 - ii. Reveiw 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 GENERATION OF EXPENSES REQUEST IN PROJECTS

According to the **Statement of Grant Policies** of NIH, the following is indicated:

“The general responsibility of succesfully implementing a NIH grant is a shared responsibility of Program Director (PD) / Principal Investigator (PI), Authorized Organization Representative (AOR) and the research administrator. As key members of the grant team, they respectively lead the scientific and administrative aspects of the grant. While the communications can be carried out with the research administrator and other institutional staff, the members of NIH staff perform official business only with the PD / PI (s) and designated AOR”

“-**Program Director / Principal Investigator.** A PD / PI is a person designated by the requesting organization to have the appropriate level of authority and responsibility to direct the project or program supported by the grant. (...)

The PD / PI is member of the recipient team responsible of guarantee the compliance of the financial and administrative aspects of the grant. They work in close collaboration with the designated employees within the recipient organization to create and keep the necessary documentation, including technical and administrative reports; prepare

excuses; properly recognise the federal support to the research results in publications, advertisement, news programs and other communication media; and guarantee the compliance of other federal and organizational requirements.”

However, we have evidenced the existence of the implied procedure pending of formalization, expenses requests are signed by the Project administrator; which could imply a risk for the University, if these are generated without knowledge and/or authorization of the PD / PI.

Recommendation:

We recommend to create a standard (directive) for the delegation of signature from the PD/PI to the Project Administrator, where the procedures and scope is established.

Comments of Universidad Peruana Cayetano Heredia

This practice is being performed for several years in the University with the purpose of accelerating the management of the research project and there is no evidence of contingent situations; however, we are in process of approving the standard and procedure for the delegation of signatures in the research projects, where the principal administrator delegates the signature through a format but he/she does not delegates the responsibility to other investigator assigned to the project or the administrator.

We should highlight that the University has clearly established the responsibility of the principal investigator regarding its research projects, in our Bylaws (Art. 124) and General regulation (Art. 247 and 248).

8.2 THE CLOSING PROCEDURES OF COST CENTERS ARE NOT UNIFORM WHEN THE UNIVERSITY IS SUBCONTRACTED.

There is evidence that indicates that, in 11 projects, there is no uniformity in the application of the closing procedure of the cost center when the University is subcontracted by other institution that receive funds from NIH.

The technical reports of the Prime Award are reviewed and submitted by the Projects' Head (DGA) along with the University Management of Investigation Science and Technology (DUICT), while the technical reports, when the University is subcontracted, are reviewed by the Administration General Management (DGA) and submitted by the PI to the subcontractor.

Recommendation:

We suggest to standardize the closing procedure used of cost centers, when the University is Prime Award as well as when it is subcontracted.

Comments of Universidad Peruana Cayetano Heredia

The Board of Directos will update the investigation projects Closing procedures, which includes the technical and economic closing process, where it is indicated that the cost centers closing procedures are a task.

8.3 PRIOR PERIODS EXPENSES REGISTERED IN THE 2018 PERIOD

There is evidence that, in 3 of the 78 projects, the University has registered expenses accrued from previous periods in 2018, these expenses correspond mostly to the provision of bonuses and social benefits (Severance payment) to the project's staff concluded in 2017. The severance payment in Peru is paid twice per year in May and November and the bonuses payments are made in the months of July and December. The details are the following:

Proyectos de Investigación	ID Proyecto	Investigador	Administrador del Proyecto	Fecha Inicio	Fecha Terminó	Ejecutado 2018	Fecha de Cierre	Fecha de Solicitud - Cierre de Presupuesto	Tipo
Proyecto 74	230305052049	Dr. Zimic Peralta Mirko	Contreras Ana Rosa	1/05/2014	30/04/2017	1,209	28/05/2019	28/05/2019	subcontratado
Proyecto 64	230305052056	Dr. González Zariquiey Armando	Contreras Ana Rosa	1/07/2015	30/06/2017	4,101	2/07/2019	22/06/2018	subcontratado
Proyecto 61	230305052067	Dr. García Lescano Héctor Hugo	Contreras Ana Rosa	1/07/2016	31/12/2017	5,012	2/07/2019	22/06/2018	subcontratado

Recommendation:

We suggest to review that the expenses for bonuses and staff benefits provision be registered in closing periods of the project and not in the subsequent periods.

Comments of Universidad Peruana Cayetano Heredia

Bonuses and staff benefits expenses are timely registered at the date that established by law which are the months from May to November for severance payment and July and December for bonuses. In order to keep order and control, we do not consider appropriate to move these dates; however, the University will evaluate the convenience of implementing this suggestion.

8.4 BUDGET APPROVED BUT NOT REGISTERED IN THE PROJECT'S SYSTEM

There is evidence that the procedures existing in the registry of the approved annual Budget, are not being applied by the project's staff in the system PProyecto, which does not allow to:

- Evidence periods and cuts determined of execution.
- Carry an appropriate control of the expense perform per type of entry (standardization of the criteria used in the entry classification).

Recommendation:

We suggest the implementation of a constant control and monitoring for the area of High Management and Administration (DGA) and the Projects' office, which leads to a better use of the PProject system.

Comentarios de la Universidad Peruana Cayetano Heredia

We will establish more control measurements to encourage the managers of the research, to use mandatorily and permanently the PProject.

9. FOLLOW-UP TO RECOMMENDATIONS FROM PREVIOUS YEARS

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

Recommendations	Year	Current Situation
1. Consolidated Statements of expenditure	2015	Implemented
2. Accountability policy	2015	Implemented
3. Accounting and/or administrative personnel in the Research Projects	2015	Implemented
4. Cost of staff in research project	2016	In process (*)
5. Reconciliation of differences between the University's accounting information and operating details from managers and/or principal investigators of research projects	2017	Implemented

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