

LIST OF ON-GOING & NEW GRANTS-IN-AID PROGRAM
Department of Science and Technology (DOST)
PHILIPPINE COUNCIL FOR HEALTH RESEARCH AND DEVELOPMENT (PCHRD)

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost				Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
									ACTUAL		PROGRAMMED	
Health/Medical Products - KRA No. 2												
Projects with maturing technology (field testing/roll-out stage)									34,570,000	175,189,034	212,327,000	
Field testing of Biotek M Dengue Lyophilized (Dry version) kit/ Roll-out of Biotek M (continuation of liquid version roll out + lyophilized version)	Biotek M is a diagnostic kit for dengue which offers the accuracy of PCR-based without the need for complicated equipment. The dry format is an improved version of the liquid format of the kit which will allow reagents to be stored and transported at room temperature. The field testing aims to determine the utility of the dry version in the clinical setting. / Scale up and nationwide distribution/testing of Biotek M dengue kit in selected hospitals	A locally produced, easy to use and affordable diagnostic kit for DHF (dengue hemorrhagic fever) infection that can be used even in primary health care facilities.	Availability of a locally produced and field tested diagnostic kit for accurate and early diagnosis of dengue infection. Early diagnosis is critical in the management of DHF in order to prevent deaths and other serious outcomes from the infection.	Dengue patients, health care providers, researchers	National Institute of Health (NIH-UP Manila)	Jan 2015	Dec 2018	10,000,000		5,000,000	5,000,000	2015 - Field testing and initial roll-out of Biotek M; 2016 - 2018 =nationwide distribution in selected hospitals
Dengue Vector Surveillance Sentinel Surveillance and Website Transfer to NOAH	Continuation - installation and deployment of OL trap kits in all public elementary and high schools nationwide; transfer of dengue vector surveillance website to NOAH	Provided early warning system for dengue vector control through installation of OL traps in public elementary and high schools nationwide, measurement of oviviricidal index and uploading of oviviricidal index data to the dengue vector surveillance web	decrease of dengue virus transmission that may have resulted in the reduction of dengue cases	General population, dengue coordinators, city health officers, public health practitioners, DOH, DILG, LGUs	DOST - NCR	Jan 2014	Dec 2018	22,000,000	12,000,000	5,000,000	5,000,000	Continuing activity of installing and deploying OL trap kits in all public elementary and high schools nationwide to help reduce the population of Aedes mosquitoes resulting to reduction of virus transmission thereby reducing the incidence of dengue. The dengue vector surveillance website is a monitoring tool for the dengue coordinators; city health officers and other public health practitioners. The website provides information for mosquito density data as well as health advisory and actions to be undertaken by the concerned agency (DOH and DILG)
Clinical Utility of Biotek-M in the Diagnosis and Serotyping of Dengue Virus Infection in the Philippines	To develop the commercial prototype of the Biotek-M Dengue Kit; to evaluate the clinical utility of Biotek-M in the diagnosis of dengue infections among patients presenting with an acute febrile illness	Biotek-M Dengue Kit	Better clinical management of dengue patients in the country. Declogged health facilities during time of outbreak. Savings to patients and families.	Dengue patients, health care providers, researchers	UP Manila - NIH	June 2015	Dec 2017	8,000,000		3,000,000	5,000,000	
Pilot testing and field evaluation of Schisto-uridip Kit	Sensitive and specific diagnostic kit for Schistosomiasis	Development of a diagnostic kit for more accurate detection of schistosomiasis	Availability of locally produced and alternative test kit for detecting infection with <i>Schistosoma japonicum</i> in endemic areas.	Schisto-endemic areas in the Philippines as identified by DOH Researchers	Research Institute for Tropical Medicine (RITM)	June 2015	Dec 2018	7,000,000		2,000,000	5,000,000	Enhancement and optimization of developed kit for better sensitivity and specificity in determining infection with <i>Schistosomajaponicum</i> using urine samples. Testing of enhanced kit in endemic areas to determine performance of detection kit in selected communities
Development of a Portable Industrial Grade Biomedical Diagnostic Device for Remote Maternal and Fetal Health Care Monitoring	To improve RxBox Telemedicine device into a medical grade compliance To develop and test 25 prototypes of RxBox2; to prepare training modules To develop and test RxBox Gamma version to 1,000 sites	Test 25 prototypes of V/RxBox; Roll-out RxBox2 in 900 selected barangays and municipalities nationwide	reduced incidence of maternal and child deaths; more affordable healthcare	Selected barangays and municipalities, Rural Health Centers, Researchers	University of the Philippines - Diliman and Manila	Oct 2014	Dec 2018	2,898,000	1,900,000	998,000		Roll-out of improved RxBox2 in Selected Barangays and Municipalities nationwide for Y2015 - 2018
		220,000,000							100,000,000	120,000,000		
Development of Predictive Model for Dengue	Development of a computerized surveillance system that will integrate the entomological, clinical, environmental and socio-demographic data for the prediction of dengue outbreak	School-based predictive and responsive "early warning system" to prevent dengue transmission and an eventual dengue outbreak	decrease of dengue virus transmission that may have resulted in the reduction of dengue cases	Health Sector, hospitals, academe, researchers	UP System	June 2015	Jul-05	8,000,000		3,000,000	5,000,000	
Deployment of eHealth TABLET with PCB system in 450 selected LGUs Nationwide	Enhance the existing institutional development and partnerships model based on the eHealth TABLET proj for more effective implementation and sustainability of the eHATID LGU proj	Deployed eHealth TABLET units in 450 selected LGUs nationwide	1. realtime access to health statistics and informed health decision making by LGUs and DOH 2. electronic reporting of RHUs to DOH and reimbursement of PhilHealth benefits	LGU (municipal health officer, rural health workers, local chief executives), National Government (DOH, PhilHealth)	Institute of Philippine Culture - Ateneo de Manila University	Jan 2014	Dec 2018	38,750,000	6,150,000.00	7,600,000	25,000,000	Deployment of 900 eHealth TABLET w/PCB system in 450 selected LGUs Nationwide-2015; Y2016-2018 1,000 selected LGUs nationwide
Enhancement and Integration of PhilHealth Primary care Benefits (PCB) modules with eHealth TABLET system Ehatid of LGUs - eHealth TABLET for Informed Decision - making of LGUs	Develop software upgrades to integrate a PhilHealth Primary Care Benefit 1 (PCB 1) package module consistent with current eHealth standards and Health Information Exchange guidelines	Intergration of PhilHealth reporting system	Enhanced reporting of LGUs to PhilHealth benefits	LGU (municipal health officer, rural health workers, local chief executives), National Government (DOH, PhilHealth)	ADMU - Ins. Of Phil. Culture	June 2014	May 2015	19,661,034	14,520,000	5,141,034		

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Clinical Trial of Rattan <i>Calamus ornatus Blume var philippinensis</i> Shoot as Anti-inflammatory Agent	To establish the safety and formulation of rattan tea or capsul through a Phase 1 clinical trial. The rattan shoot, discovered to contain compounds which exhibit significant anti-inflammatory activity, was used to formulate a capsule and/or tea. In vivo trials using mice to determine its potency as anti-inflammatory agent showed that the formulation was comparable to indomethacin, an anti-inflammatory drug. Initial results also showed that anti-inflammatory formulation is safe.	Locally produced anti-inflammatory agent from Rattan	Availability of low cost and effective anti-inflammatory drugs	Patients, Health Industry, Researchers,	Department of Biochemistry and Molecular Biology, College of Medicine, UP Manila	2015	2017	17,000,000		7,000,000	10,000,000	
Development of Whole Inactivated Monovalent and Bivalent Vaccines for Leptospirosis Applicable in the Philippine Setting	To develop killed whole cell monovalent and bivalent Vaccines using two of the prevailing virulent <i>Leptospira serovars</i> locally isolated in the Philippines	Killed whole-cell monovalent and bivalent vaccines	low incidence of leptospirosis	General population, pharmaceutical industry, Researchers,	College of Public Health, University of the Philippines - Manila	2015	2017	5,777,000	-	3,450,000	2,327,000	
Roll out/Large Scale Testing of Dengue POC Kit	Dengue Point of Care uses lateral flow/ strip test technology (similar to format of pregnancy kit) with the aim of being able to screen for dengue at bedside. This project will focus on the scaling-up and distribution/ testing of POC dengue kit in selected communities/ households.	Scaled-up and distribution/testing of POC dengue kit in selected communities/households	Improvement of dengue diagnosis and management through provision of POC kit.	Dengue patients, health professionals, researchers, Households	St. Luke's Medical Center	2015	2017	10,000,000		5,000,000	5,000,000	Roll-out of POC kit in Selected Barangays and Municipalities nationwide for Y2015 - 2017
Development and Capacity Building of Existing TB Laboratories in the Phil. Through Expansion of Utilization of MODS Assay Technique for a Rapid and Cost Effective TB/MDR-TB Diagnosis	This project aims to expand the utilization of the MODS Assay, a rapid, cost effective and highly accurate technique in TB/MDR-TB diagnosis, by enabling public health professionals and existing TB Laboratories in the Philippines to perform the technique through training and roll-out of equipment needed.	Capacity building of public health professionals and existing TB laboratories nationwide for mass roll-out of MODS assay kits in rapid TB/MDR-TB Diagnosis	Implementation of health policies that focuses on shortening the diagnosing period among suspected TB and MDR-TB patients at low cost to improve affordability for financially challenged patients while aiding clinicians in providing their patients with better TB management therapies.	general public, health professionals, and suspected TB and MDR-TB patients	Philippine General Hospital, Section of Infectious Diseases	2015	2017	15,000,000		10,000,000	5,000,000	
Expansion of the Human DNA Forensics Program	The program/project seeks to expand the work/data established by the first phase of the program in: (1) establishing validated procedures for the analysis of degraded human samples which are relevant in the formulation of national guidelines for DNA-based identification of human remains that would complement traditional identification techniques, and (2) establishing a reference Philippine frequency database of RM Y-STRs which will be used to complement the existing database of more conserved Y-STR markers. These conventional Y-STR markers are particularly useful in establishing patrilineal relationships whereas, RM Y-STR markers will be used to individuate male sources of samples. Both information are crucial in resolving criminal cases and parental disputes.	(1) validated procedures for the analysis of degraded human remains, (2) expanded Philippine reference frequency database of RM STR markers	Improved forensics procedures for the identification of human remains and for solving criminal/patrilineal disputes	DNA Analysis Labs, National Disaster Risk Reduction & Management Council (NDRRMC), Law enforcement agencies, Commission on Human Rights (CHR), NGOs dealing with human rights, Local Government Units (LGUs), Regional Trial Courts (RTCs)	UP Diliman, Natural Sciences Research Institute	2014	2017	14,000,000		8,000,000	6,000,000	
High Throughput Simultaneous Detection of Waterborne Parasitosis from Environmental Samples Using Microarray	To determine the public health utility of microarray technology in the individual and simultaneous detection of primary waterborne protozoan pathogenic to humans, <i>Entamoeba histolytica</i> , <i>Gardia lamblia</i> , and <i>Cryptosporidium parvum</i> among household, recreational, and environmental water source.	1. Molecular epidemiology of the major causes of persistent diarrheal diseases proven to show long term physical and neurocognitive development delay in children 2. Further defined burden of exposure risk and the burden of persistent diarrheal diseases in the Philippines 3. Methodological pathway of molecular epidemiological analysis modelled with the other major infectious diseases in the Philippines	Generation of the data on the prevalence of these water-borne parasites in order to be aware of the potability of water among Filipino households	General Population, Researchers, Doctors, Health Community	Institute of Molecular Biology and Biotechnology, National Institute of Health, University of the Philippines, Manila	2015	2017	7,500,000		2,500,000	5,000,000	
Nationwide Field Technology Transfer of DOST-FNRI's Production of Complementary Food	Aims to conduct nationwide field testing of the FNRI's production of complementary food in order to address the malnutrition issue of the country.	Identified distribution sites for mapping, deployed complementary foods in the country, and reduced prevalence of malnutrition in the country	An intervention towards the depressing malnutrition status in the Philippines especially that more than half a million kids suffer from it.	General population, NNC, DOH, Health Community	Food and Nutrition Research Institute (FNRI-DOST)	2015	2017	7,500,000		2,500,000	5,000,000	
Malunggay (Moringa sp) to Improve Neurobehavioral Development (MIND) in Filipino Children: A Nutrient Supplementation Study	To determine whether food snacks fortified with malunggay and given to preschool children in daycare centers for 10 months will improve their nutritional status, growth and neurobehavioral development.	Improvement of the nutritional status, physical growth, and neurobehavioral development of preschool children.	Determine if food snacks fortified with malunggay for 10 months, and given to preschool children will improve their nutritional status, physical growth and neurobehavioral development.	Children and families, Policy makers, Researchers	Institute of Child Health and Human Development - National Institute of Health, UP Manila	2015	2017	4,000,000		2,000,000	2,000,000	

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Glycemic Index and Changes in Blood Glucose, Hemoglobin A1C, Lipid Profile and Antioxidant Capacity in Humans After Inclusion of Stabilized Brown Rice/Developed Products in their daily meals.	To determine the glycemic index and changes in blood glucose, hemoglobin A1C, lipid profile and antioxidant capacity of humans with moderately raised serum glucose and cholesterol levels after inclusion of stabilized brown rice/developed products in their daily meals.	(1) Glycemic Index of stabilized brown rice and its developed products; (2) Changes in blood serum glucose, hemoglobin A1C, antioxidant capacity and lipid profile of humans after inclusion of stabilized brown rice and its developed products in their daily meals for 3 months; (3) Scientific Publication	Determine the glycemic index of stabilized brown rice and developed products	Patients, Policy Makers, Researchers, Health Industry	Food and Nutrition Research Institute (FNRI-DOST)	2015	2017	5,000,000		3,000,000	2,000,000	
Drug Discovery and Development									189,842,989	68,912,092	68,785,726	
Marine Component: Project 1 - High-throughput Muti-omics Discovery of Bioactive Marine Compounds and Establishment of a Marine Chemical Library and Informatics Facility	To conduct high throughput screening and characterization of compounds, extracts, and enzymes from selected marine organisms; establish a curated chemical library of compounds, extracts, enzymes and isolates;	Library of bioactive compounds extracted from marine organisms which contains information about the organism's taxonomy, photochemistry, and potential applications based on bioassays to be performed, and a facility focused on the different bioassays on marine organism extracts; scientific publications an patent applications	Development of new class of antibiotics, anti-pain, anti-neurodegenerative and anti-cancer drugs derived from the cone and turrid snails and marine microorganisms.	Patients, Health community, Policy Makers, Pharmaceutical companies, Entrepreneurs, Academe, Researchers	UP - Diliman	June 2014	May 2017	65,826,000	45,344,000	10,482,000	10,000,000	
Marine Component: Project 2 - Anti-pain and Anti-Neurodegeneration Drug Candidates: Discovery and Development	to identify, further characterize, and test using animal models conoidean peptides that exhibits significant anti-pain and anti-neurodegeneration activities and to establish their suitability for clinical trails.				UP - Diliman	June 2014	May 2017	48,338,000	31,300,000	7,038,000	10,000,000	
Marine Component: Project 3 - (Anti-Infective Drug Candidates: Discovery and Development) - Marine Microorganisms: Chemistry, Bioassays, Drug Discovery and Development	to identify, further characterize, and test using animal models marine compounds that exhibit significant anti-infective and anti-cancer activities and to establish their suitability for clinical trails.				UP - Diliman	June 2014	May 2017	31,449,000	13,370,000	8,079,000	10,000,000	
Anti-Hypertension and Cholesterol Lowering Compounds from Terrestrial Organisms	To identify the plants with the highest anti-hypertension and cholesterol-lowering activity; and to isolate and purify the anti-hypertension and cholesterol-lowering constituents using bioassay directed scheme (Y1); to determine the structure of anti-hypertension and cholesterol-lowering constituents using spectral analysis, and to confirm the anti-hypertension and cholesterol-lowering activity of the purified compounds (Y2)	Anti-hypertension and cholesterol-lowering bioactive hits; anti-hypertension and cholesterol-lowering drug candidates for pre-clinical trials and licensing; and proprietary information (confidentiality and nondisclosure measures) and patent applications	Possible active compound for hypertension and diabetes	General population, Health industry, Researchers, Policy makers	University of the Philippines - Diliman	Sept 2014	Sept 2016	3,137,000	2,137,000	500,000	500,000	
Anti-Diabetic Bioactive Hits from Plants	to bring elevated blood sugar levels down to normal to improve symptoms of diabetes and prevent or delay diabetic complications. This research seeks to search for anti-hyperglycemic bioactive hits from plants, which may be derivatized to drug candidates with drug-like features by medicinal chemists.	Y1 - a library of plants with anti-diabetic potential for possible formulation into standardized herbal drugs for pre-clinical and clinical studies; Y2- a list of bioactive hits, which a medicinal chemists may use for further structural elaboration into drug candidates; patents; BS and MS theses	Affordable medicines for pre-diabetics; Potential anti-diabetic compounds for patenting and early licensing to pharmaceutical industries	Diabetic patients, Health industry, Policy makers	University of the Philippines - Diliman	Sept 2014	Sept 2017	16,593,000	11,593,000	2,500,000	2,500,000	
Anti-Inflammatory and Anti-Pain Agents from Terrestrial Organisms	This project aims to determine the in vitro equivalency of selected essential generic medicines that are eligible for BCS-based biowaivers.	Come up with a standard operating procedures, protocols for in vitro equivalence testing etc in compliance with good laboratory practices.	Determine the bioavailability of generic drugs	General population, Health industry, Researchers,	University of the Philippines - Diliman	Sept 2014	Sept 2017	8,865,000	4,865,000	2,500,000	1,500,000	
Induced antibiotic production in extremophiles from Philippine hyperalkaline springs in Poon Bato, Zambales and Manlalueg, Pangasinan	Aims to induce maximal production of antibiotic compounds by stressing at least three alkaliphilic bacterialo species isolated from two hyperalkaline springs	Pure cultures of extremophilic bacteria and archaea, assembled genomes annotated to indicate potential ORF's for enzymes and antibiotic-producing genes and resistance genes, lyophilized microbial cultures stored in culture collections	Potential drugs developed from extremophiles (bacteria and archaea)	Health industry and consumers with potential novel antibiotics, pharmaceutical manufacturers for novel antibiotics	UP - Diliman	June 2014	May 2016	2,347,000	1,482,000	515,000	350,000	
Development of an antibacterial Psidium guajava ointment (Project 1)	To develop an antibacterial ointment from Guava (<i>Psidium guajava</i> L.)	Antibacterial topical formulation from guava which will be patented and dose-response relationship of guava	Psidium Guajava ointment with antibacterial properties	Patients infected with pyoderma, have nasal carriage of Methicillin resistant <i>S. aureus</i> , wound infections, secondary infected eczematous dermatitis and secondarily infected scabies lesions	UP Medical Foundation, Inc.	Aug 2014	July 2016	3,055,000	1,745,000	810,000	500,000	
Development of an antiparasitic herbal medicine (Project 2)	To develop an anti-parasitic agent from Quassia amara and Momordica charantia	Evidence to pursue fruther preclinical and clinical research to develop an antiparasitic agent from Quassia amara and Momordica charantia, determination of appropriate doses to use in in vivo models of parasitic diseases and in human trials	This will serve as safe, effective and affordable treatment for parasitic diseases.	Patients infected with Plasmodium spp., Entamoeba histolytica, Giardia lamblia and intestinal helminths	UP Medical Foundation, Inc.	Aug 2014	July 2016	3,459,000	1,974,000	985,000	500,000	

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Development of an oral herbal medicine for increased ocular pressure (Project 3)	To determine the change in intraocular pressure of lyophilized aqueous Blumea balsamifera compared to acetazolamide in a rabbit animal model	Development of an alternative oral antiglaucoma medication from Blumea balsamifera. Optimization of an animal model is also necessary to study other potential anti-glaucoma medications	This will serve as safe, effective and affordable treatment for glaucoma.	Patients with glaucoma and ocular hypertension in order to prevent blindness.	UP Medical Foundation, Inc.	Aug 2014	July 2016	1,688,000	1,075,000	363,000	250,000	
Peptides and Small Molecules as Antidiabetic Drugs (Project 1)	To synthesize peptides and peptide analogs conjugated to small molecules and conduct structure-activity relationship studies by testing their alpha-glucosidase inhibitory activity through in-vitro testing to assess their potential as antidiabetic drugs.	Peptides and small protein-like compounds that exhibit a glucosidase activity	Synthetic compounds as active ingredients to anti-diabetic drugs for clinical trial applications	Diabetic patients, Health industry, Researchers	University of the Philippines - Diliman	Oct 2014	Sept 2016	9,944,379	5,596,430	1,725,946	2,622,003	
Synthesis of Imidazole-based Antifungal Agents (Proj 2)	To synthesize imidazole-based compounds that can function as antifungal agents for drug development applications	Azole-containing ionic liquids with antifungal activity	Synthetic imidazole-based ionic liquids with antifungal characteristics for clinical trial applications	General population, Health industry, Researchers,	University of the Philippines - Diliman	Oct 2014	Sept 2016	9,230,206	4,940,357	1,569,746	2,720,103	
Synthesis of Deguelin Derivatives as Anticancer (Proj 3)	To synthesize deguelin derivatives from Derris triolita extracts and rotenone, for its anti-cancer activity	Deguelin derivatives that exhibit anti-cancer activity	Development of synthetic anti-cancer agents for clinical trial applications	General population, Health industry, Researchers,	University of the Philippines - Diliman	Oct 2014	Sept 2016	9,068,856	5,360,307	1,379,746	2,328,803	
Synthesis, Derivatization and Antihypertensive Activity of Benzimidazoles (Proj 4)	To synthesize benzimidazole-based compounds and derivatives that has potential antihypertensive activity	Benzimidazole-based compounds that exhibits antihypertensive activity	Benzimidazole-based compounds for optimization and clinical trial applications	General population, Health industry, Researchers,	Mindanao State University - Iligan Institute of Technology	Oct 2014	Sept 2016	13,465,046	9,221,617	1,139,851	3,103,578	
Diversity-oriented Synthesis of Potential Anti-inflammatory and Anti-cancer agents Based on a,B-Unsaturated 4-Heterocyclopentanone Scaffolds with potential COX-antagonizing and anticancer activities (Proj 5)	To synthesize compounds based on a, B-Unsaturated 4-Heterocyclopentanone Scaffolds with potential COX-antagonizing and anticancer activities	Heterocyclopentanones that acts as COX antagonists and anticancer agents	Development of anti-inflammatory and anti-cancer agents for drug development and clinical trial applications	General population, Health industry, Researchers,	University of Santo Tomas	Jan 2015	Mar 2017	7,584,828		6,796,227	788,601	
Anticancer, Anti-infective, Anti-inflammatory and Toxicity Studies and Chemical Profiling of the Expressed Juice of the Bark of Scyphiphora hydrophyllaceae	To provide scientific data for the validation of Scyphiphora hydrophyllaceae in traditional medicine	Scientific data that will serve as basis for drug development of rilad particularly for cancer, infection and inflammation.	This will give the local communities to have an affordable, effective and alternative treatment in aiding cancer, infection and inflammation.	Health Sector, researchers, general populations,	University of Santo Tomas	Jan 2013	Jan 2015	1,808,000	1,487,000	321,000		
In Vitro Equivalence Testing of Selected Generic Essential Medicines Eligible for BCS-based Biowaivers	To determine the in vitro equivalency of selected essential generic medicines that are eligible for BCS-based Biowaivers.	Come up with a standard operating procedures, protocols for in vitro equivalence testing etc in compliance with good laboratory practices.	Determine the bioavailability of generic drugs	Health Sector, researchers, general populations,	University of the Philippines	2013	2015	2,552,324	554,359	1,997,965		Year 2
Herbal Extracts from Negros Island for Bioactivity and Admetox Assays	To document medicinal plants indigenous and endemic to Negros Island as well as introduced species; to set up a medium throughput bioassay, specifically enzyme inhibitory assays for cholesterol-lowering, anti-hypertension, anti-inflammatory, anti-gout and fatblocker bioactive hits; and to prepare libraries of herbal extracts from Negros Island.	Library of bioactive extracts from Negros; Enzyme assay facility to evaluate samples for anti-hypertension, anti-inflammation (COX and LOX), fatblocker (lipase) and hyperuricemia (xanthine oxidase)	Discovery of bioactive plants which can be developed into drugs that address local health needs; Availability of facility to sustain drug discovery initiatives in the country	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines	2013	2015	3,627,930	3,012,000	615,930		
Herbal Extracts from Benguet for Bioactivity and Admetox Assays	To document medicinal plants indigenous and endemic to Benguet; to set up a medium throughput bioassay, specifically enzyme inhibitory assays for antihyperglycemia and anti-pain; and to prepare libraries of herbal extracts from Benguet biodiversity.	Library of bioactive extracts from Benguet; Enzyme assay facility to evaluate extracts for hyperglycemia (alpha glucosidase, amylase, aldose reductase) and anti-pain	Discovery of bioactive plants which can be developed into drugs that address local health needs; Availability of facility to sustain drug discovery initiatives in the country	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines	2013	2015	3,092,000	2,493,000	599,000		
Herbal Extracts from Beach Forest and Mangroves of Aurora and Other Selected Sites for Bioactivity and Admetox Assays	To do a survey of unpublished and published literature on bioactivities of mangrove and beach forest plants particularly those that are not in international literature databases; to determine the species of beach forest plants present in Aurora; to prepare libraries of herbal extracts from the high diversity mangroves and beach forests of Aurora and other selected sites for bioactivity and toxicity assays.	Library of bioactive extracts from Aurora	Discovery of bioactive plants which can be developed into drugs that address local health needs;	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines	2013	2015	708,000	666,000	42,000		
In-vitro Nephro and Hepatotoxicities of Bioactive Extracts from Terrestrial Organisms	To determine the in vitro equivalency of selected essential generic medicines that are eligible for BCS-based Biowaivers.	Enzyme assay facility to evaluate sample for in vitro nephro-and hepatotoxicity	Discovery of bioactive plants which can be developed into drugs that address local health needs; Availability of facility to sustain drug discovery initiatives in the country	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines	2013	2015	2,614,000	761,000	1,853,000		
Herbal Extracts from Mt. Isarog for Bioactivity and Admetox Assays	To prepare alcoholic extracts of secondary metabolites as well as peptides extracts from plants from the four subcatchments of Mt. Isarog Natural Park	Library of bioactive extracts from fungi sourced in Mt. Isarog	Discovery of bioactive plants which can be developed into drugs that address local health needs;	Farmers, researchers, herbal and pharmaceutical companies	UP Manila	2013	2014	488,000	488,000			

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Detection and Purification of Antimicrobial peptides from <i>Ipomoea alba</i>	To fractionate and isolate components of extracts of <i>Ipomoea alba</i> , elucidate the structure or sequence the isolate which are the active components of <i>Ipomoea alba</i> and test the isolates and its combinations for pharmacologic activity <i>in vitro</i> using microbial isolates, patient isolates and standard protocols for antioxidants.	Identified peptides coming from <i>Ipomoea alba</i> that are active against microorganisms and could scavenge free radicals.	Identified natural source of antibiotics and antioxidants.	Health Sector, researchers, general populations,	University of the Philippines Manila	Jun - 2012	Dec - 2014	0	0			Waiting technical report
Isolation, Purification, and Identification of Antimicrobial and Antioxidant Metabolites from the Leaves of <i>Ipomoea alba</i> obtained from Mt. Isarog Natural Park	To generate chromatographic profiles of the antimicrobial and antioxidant fractions of the plant; to identify the antimicrobial and antioxidant constituents of plant samples through spectroscopic techniques	Identified substances coming from <i>Ipomoea alba</i> that are active against microorganisms and could scavenge free radicals.	Identified natural source of antibiotics and antioxidants.	Health Sector, researchers, general populations,	University of the Philippines Manila	Aug - 2012	July - 2014	0	0			Waiting technical report
Malunggay-derived Anti-Tumor Agents: Isolation, Characterization Bioactivity and Molecular Targets	For the assessment of the anti-angiogenic, anti-tumor, and apoptotic activity of malunggay extracts	Identified compounds which are active against tumor activity.	Alternative source of drug for the management of cancer	Health Sector, researchers, general populations,	University of the Philippines Manila	Mar - 2014	Mar - 2016	5,410,000	2,782,000	1,104,000	1,524,000	
Development of Rattan Calamus ornatus Blume var philippensis Shoot for Health Products	To develop health products and nutraceuticals from the shoots of rattan, <i>C. Ornatus</i> , species	Products like shoot tea, health drinks, nutraceuticals. Elucidated pure compounds exhibiting bioactivities.	Health products from rattan shoot extract or from its isolated pure compound maybe a breakthrough in the use of indigenous food components as a natural alternative for synthetic drugs like Non-Steroidal Anti-inflammatory Drugs (NSAIDs).	Health Sector, researchers, general population	Department of Biochemistry and Molecular Biology, UP Manila	Nov 2012	June 2014					Waiting technical report
Hemostatic Agents from Radiation-Modified Polysaccharides and Their Derivatives: Product Development and Efficacy/Safety Evaluation in Animal Model	To develop a hemostatic material from radiation modified polysaccharides and derivatives that is comparable or superior to the imported products currently available in the market.	Hemostatic agent developed from local materials tested for effectivity and safety using laboratory animals	Availability of locally produced, and affordable hemostatic agents will decrease dependence on imported and expensive hemostats	Health Sector, researchers, general populations,	Philippine Nuclear Research Institute (PNRI)	May 2013	May 2015	2,464,000	2,464,000	2,676,000		
Immunomodulatory Properties of Moringa oleifera Lam Constituents	A standardized immunomodulatory formulation with acceptable therapeutic index	Identified compounds with immunomodulatory properties	Alternative source of treatment which able to boost the immune system	Health Sector, researchers, general populations,	Institute of Biology, UP Diliman	Nov - 2011	Dec - 2014	0	-			Waiting technical report
Anti-Diabetic Constituent(s) from Moringa oleifera Lam	Standardized anti-diabetic formulation(s)	Identified compounds with antidiabetic properties	Alternative source of medicine for the management of diabetes	Health Sector, researchers, general populations,	Institute of Chemistry, UP Diliman	Nov - 2011	Dec - 2014	-	-			Waiting technical report
Anti-inflammatory Constituents from Moringa oleifera Lam	Standardized anti-inflammatory formulation(s)	Identified compounds with anti-inflammatory properties	Alternative source of medicine for the treatment of diseases related to inflammation	Health Sector, researchers, general populations,	Institute of Chemistry, UP Diliman	Nov - 2011	Dec - 2014	-	-			Waiting technical report
Antiparasitic Constituents(s) from Moringa oleifera Lam	Antimicrobial and /or antiparasitic compounds	Identified compounds which are active against microorganisms	Natural alternative source of antibiotics for the treatment of microbial infections	Health Sector, researchers, general populations,	Institute of Chemistry and Institute of Biology, UP Diliman	Nov - 2011	Dec - 2014	-	-			Waiting technical report
Standardized Anti-hypertensive Product from Moringa oleifera	Standardized anti-hypertensive formulation with acceptable therapeutic index	Identified compounds which are inhibitors of angiotensin converting enzyme	Alternative source of medicine for the management of hypertension	Health Sector, researchers, general populations,	Institute of Chemistry, UP Diliman	Nov - 2011	Dec - 2014	-	-			Waiting technical report
Development of New Antimicrobial Anoplin Lipopeptides Year 2	The project aims to understand the effect of the attachment of lipophilic groups of different lengths on antimicrobial peptides and to develop lipopeptides with antimicrobial activity, bringing promising derivatives to pre-formulation level.	Anoplin and its lipopeptide derivatives with potential antimicrobial activity.	New drugs with alternative modes of action to address the alarming trend of drug resistance.	Health Sector, researchers, general populations,	UP Diliman	Jan - 2011	Dec - 2014	335,413	335,413			
Plant Extracts from Plants Endemic In Davao Region for Bioactivity and Admetox Assays	To set-up laboratory facility for the preparation of extracts from endemic plants in Davao region; to identify and collect the endemic plants for extraction of possible bioactive substances; and submit the plant extracts for bioactivity and ADMETox assays in UP Diliman	Library of bioactive extracts from fungi sourced in Davao	Discovery of bioactive plants which can be developed into drugs that address local health needs;	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines Mindanao	2013	2015	1,249,000	1,030,000	219,000		
Herbal Extracts from the Cordillera for Bioactivity and Admetox Assays	To document the plants that are used for the treatment of various ailments in selected local communities in the Cordillera region and collect samples of medicinal plants; and to generate and contribute to the library of bioactive extracts from the claimed medicinal plants of the Cordillera.	Library of bioactive extracts from Baguio	Discovery of bioactive plants which can be developed into drugs that address local health needs;	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines, Baguio	2013	2015	1,061,000	837,000	224,000		
Molecular Identification and Extraction of Bioactive Compounds for Foliar Epiphytic and Endophytic Fungi of Leaves from Benguet Phil.	To isolate and identify epiphytic and endophytic fungi from leaves of plants using the Its region; to generate a library of methanolic extracts from the fungal isolates to be tested for bioactivity using cell-based and enzyme-based assays.	Library of bioactive extracts from fungi sourced in Benguet	Discovery of bioactive fungi which can be developed into drugs that address local health needs;	Farmers, researchers, herbal and pharmaceutical companies	University of the Philippines, Baguio	Oct 2013	Feb 2015	790,098	694,386	95,712		

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost	Budget			Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
									ACTUAL		PROGRAMMED	
Development and expansion of the existing Tuklas Lunas Development Center	The project aims to establish Natural Research Centers in Luzon, Visayas and Mindanao (Tuklas Lunas Development Center) to serve as primary research laboratory for natural substances as possible drug sources and to foster cooperation among universities and research institutions in doing collaborative researches.	Harness potential Philippine indigenous plants as sources of medicines	Availability of locally produced and affordable herbal products/ drugs	Health Sector, hospitals, medical laboratories, general populations	Mindanao State University - IIT	2012	2017	4,531,644	1,573,644	458,000	2,500,000	
					Mariano Marcos Memorial State University	2012	2017	1,650,000	-	150,000	1,500,000	
					Visayas State University	2012	2017	6,957,500	3,684,816	772,684	2,500,000	
Establishment of 3 additional Tuklas Lunas Development Centers		3 additional Screening centers (Tuklas Lunas Development Centers) for the study of Philippine indigenous medicinal plants for various bioactivities		Health Sector, hospitals, medical laboratories, general populations	Central Luzon State University	2014	2017	18,372,000	14,023,580	1,348,420	3,000,000	Newly established additional Tuklas Lunas Development Centers - 2014
					University of San Carlos	2014	2017	6,500,000	1,500,000	2,500,000	2,500,000	
					Central Mindanao University	2014	2017	13,914,008	8,914,008		5,000,000	
DNA Barcoding for Authentication of Philippine Medicinal Plants	To establish an easy way of identification of Philippine medicinal plants be genome based methods.	DNA sequences of Philippine medicinal plants	Herbal products are ensured to be free from adulterants	Health Sector, researchers, academe	University of Santo Tomas	July - 2013	Dec - 2016	7,939,778	1,408,502	4,432,638	2,098,638	Year 2
Subchronic Toxicity Studies of Yacon 500mg Capsules (Smallanthus sonchifolius) in Healthy Sprague-Dawley Rats	To determine the subchronic toxicity profile of yacon administered at doses of 100, 500 and 2000mg/kg body weight daily for 90 days to three groups of healthy Sprague-Dawley rats	Data regarding the toxicity profile of Yacon that could be used for drug discovery and development of Yacon.	Affordable, effective and alternative treatment in aiding various ailments.	general population, researchers, health community	De La Salle Health Sciences Institute	2012	2014	0	-			Waiting technical report
Identification, Characterization and Evaluation of Anti-Dengue Activity in Selected Philippine Plants	To identify Philippine plants that exhibit potential anti-dengue activity in vitro assay systems	List of Philippine plants that have antidengue and antiviral activity.	This will lessen the morbidity and mortality of patients with dengue hemorrhagic fever. Also, this will give the local communities to have an affordable, effective and alternative treatment in aiding dengue fever.	Health Sector, researchers	St. Luke's Medical Center	June - 2011	Dec - 2014	0.00	0			Waitig for technical report
Blockage of Airway Inflammation and Airway Hyperresponsiveness Caused by Inhibition of Group V P Phospholipase A2 Activation: Effect of Humanized Antibody Directed Against Group V P Phospholipase A2	The project aims to determine the role of the group V phospholipase A2 (gVPLA2) in mediation of airway inflammation and airway hyperresponsiveness in immuno-sensitized mice	humanized antibody directed against secretory gVPLA2 than can potentially lessen the exacerbation of inflammatory diseases particularly, asthma, allergic reaction, etc	Availability of a novel treatment for asthma can significantly improve patient management	Researchers, Health sector, patients at risk for Asthma	Saint Luke's Medical Center, Institute of Neurosciences	Jan - 2012	Dec - 2014	0	0			Waitig for technical report
Herbal Drugs Against Tuberculosis Y 2	To purify and elucidate anti-TB constituents of medicinal plants	Anti-TB componens in plants identified, characterized and standardized	Availability of alternative and more affordable treatments in the form of phytomedicine for the treatment of tuberculosis	Patients with TB, Researchers, Health sector	UP - Manila	May - 2012	Dec - 2014	80,537	80,537			
Subchronic Toxicity Studies of Yacon 500mg Capsules (Smallanthus sonchifolius) in Healthy Sprague-Dawley Rats	To determine the subchronic toxicity profile of yacon administered at doses of 100,500 and 2000mg/kg body weight daily for 90 days to three groups of healthy Sprague-Dawley rats.	Data regarding the toxicity profile of Yacon that could be used for drug discovery and development of Yacon.	This will give the local communities to have an affordable, effective and alternative treatment in aiding their various ailments.	Health Sector, researchers, general population	De La Salle Health Sciences Institute	Nov - 2012	June - 2014					Waiting for technical report
The International Polycap Study 3 (TIPS 3)Year 2	Polycap-to determine whether the Polycap reduces the risk of the composite outcome of major CVD, plus heart failure, resuscitated cardiac arrest, coronary verascularization with objective evidence of ischemia compared to placebo; Aspirin - to determine whether aspirin reduces the risk composite outcome of CV events of ischemia compared to its placebo and ; Vitamin D - to determine whether Vit D reduces the risk of fractures compared to its placebo.	Commercially affordable and effective polypill	Blood pressure lowering and lipid lowering drugs	Patients with underlying atherosclerosis, Elderly people aged 55yrs old and above, Health industry, Policy makers	Sagip Buhay Medical Foundation Inc.	2014	2017	2,515,598	1,050,033	1,465,565		
Critical Assessment of the Free Radical Scavenging and Chemopreventive Properties of Ficus pseudopalma	To determine the direct effect of Ficus pseudopalma to HepG2 cell line	Data on the possible anti-oxidant and anti-cancer properties of Ficus pseudopalma which serve as basis for drug discovery and development.	This study will allow cancer patients to receive an affordable and accessible alternative medication as well as give local pharmaceuticals another income.	Health Sector, researchers, Health Industry	University of Santo Tomas	2013	2015	2,153,662		1,653,662	500,000	Year 2

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost	Budget			Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
						ACTUAL			PROGRAMMED			
II. Diagnostics												
Product Development of Biotek-M Dengue-seco Kit (Lyophilized Format)	To develop, validate, and compare the thermostable lyophilized format (Biotek-M Dengue-agua Kit) that is comparable with the liquid format (Biotek-M Dengue-aqua Kit)	Biotek-M dengue in a more stable and easy to transport format	Availability of a locally produced and field tested diagnostic kit for accurate and early diagnosis of dengue infection. Early diagnosis is critical in the management of DHF in order to prevent deaths and other serious outcomes from the infection.	Health Sector, Researchers, General population	UP System - Philippine Genome Center	May 2013	May 2014	748,776	748,776			
Implementation and Evaluation of the Proposed Model for Integrated TB-paragonimiasis Surveillance and Control in Zamboanga del Norte, Philippines	The project aims to implement and evaluate the proposed integrated surveillance and control program for PTB and paragonimiasis in Zamboanga del Norte. The integrated scheme for the study will be described through key informant interviews and focus group discussions, good practices and challenges in the implementation. Passive and active surveillances will be employed.	Prevalence and incidence of PTB, paragonimiasis, and co-infections in selected endemic communities will be determined	A proposed integrated model for implementing PTB, paragonimiasis surveillance and control	Patients, clinicians, rural health units	University of the Philippines - Manila	Jan 2014	Jan 2016	1,542,466	529,568	512,898	500,000	Year 2
Validation of the proposed XDP-MDSP rating scale for the evaluation of patients with X-linked dystonia-parkinsonism (XDP)	To validate the proposed XDP-MDSP (X-linked dystonia-parkinsonism-Movement Disorder Society of the Philippines) rating scale in patients clinically diagnosed to have XDP	-The expected output would be a clinical rating scale that can be used to classify patients with XDP and objectively measure response to treatment.	-Clinicians and neurologists who care for patients with XDP, and indirectly, the patients are expected to benefit from validated and proven therapies for their condition.	XDP male patients in Panay Islands, Capz, and Aklan; Researchers, Health Sector	Philippine Children's Medical Center, Inc.	Mar - 2013	April - 2016	789,932	18,800	421,132	350,000	Year 2
Non-pharmacological Home-based Treatment for Dementia	The project aims to determine the current non-pharmacological treatments utilized by caregivers of the dementia patients involved in this study across the different stages of dementia and develop an information packet that can be disseminated to increase caregiver's awareness in handling their dementia patients.	Information packet that contains effective home-based non-pharmacological methods and recommendations to caregivers in handling dementia patients in the Philippines	Prompt detection and proper management of patients suffering from Dementia	DementiaPatients, caregivers, Researchers, Health Sector, Policy makers	St. Luke's Medical Center	2013	2015	920,672	420,672	500,000		
Usefulness of the MODS Assay in a Level II Mycobacteriology Laboratory in the Philippine Setting	The project aims to compare the performance of the MODS assay in the detection of MTB and MDR-TB from sputum specimens with the standard egg-based solid culture medium (Lowenstein Jensen) and the liquid MB BacT culture system	MODS assay as an adjunct diagnostic tool to augment the long process of the standard LJ TB culture procedures. Reduce time TB diagnosis from 6-8 weeks to 1-2 weeks, improve patient management, and development of multi-drug resistant tuberculosis (MDR-TB).	Prompt detection of MTB; improve healthcare management and facilitates other government-tied health care programs.	Health workers, TB patients, Health Industry, Policy makers, researchers	Infectious Diseases Section, UP Philippine General Hospital	Oct - 2011	Dec - 2013	0	0			Completed; For field testing and roll-out (Y 2015-2016)
Quality of Life of the Elderly as Developed from the Perception of the Filipino Elderly, their Family and their Healthcare Provider: Generational Development of the QOL-APO Instrument	The project aimed to develop de novo, a culturally sensitive QOL assessment tool for normal (non-dementing) Filipino elderly and to determine its psychometric properties based on globally accepted test and measurement standards and procedures.	Evaluative Instrument: Quality of Life - APO, a measure of QOL for the Filipino Elderly	Results will serve as a basis for further establishment of projects such as training manuals, intervention programs, and development of instruments for the elderly population.	Elderly, the family unit, healthcare professionals, and other concerned individuals who are directly involved in the care of the elderly[Saint Luke's Medical Center, Institute of Neurosciences	Feb - 2012	June - 2014	0	-			Completed;
Development of Quality of Life - Measure among among Filipino Elderly with Dementia	The project aims to develop a self-reported QOL measure for the Filipino elderly with dementia.	Evaluative Instrument: Quality of Life - Dementia in Filipinos	Provide format to devise a more suitable intervention that reflects the needs of the patient enhance quality of life.	Elderly, caregivers, health professionals, and individuals directly involved in the care of elderly with dementia, future researchers	Saint Luke's Medical Center, Institute of Neurosciences	Feb - 2012	June - 2014	0	-			Completed
Development of Point of Care Test for the Diagnosis of Cobra Envenomation	To develop a point of care test in the form of lateral flow capable of detecting cobra envenomation in snake bite patients.	Diagnostic tool to detect cobra envenomation by using horse antibodies	This study will lessen the morbidity and mortality of snake bite patients in RITM. Also, this will give clinicians an easy way to detect cobra envenomation.	Health Sector, general population, researchers	Research Institute for Tropical Medicine (RITM)	2015	2018	5,000,000	0	2,500,000	2,500,000	

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost	Budget			Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
						ACTUAL			PROGRAMMED			
III. Genomics / Molecular Technology												
Evaluation of Candidate Genetic Variations as Pharmacogenetic Markers for Commonly Used Oral Hypoglycemic Agents among Filipinos	The main aim is to determine the genomic profile of Filipino participants in relation to responses to metformin and sulfonylureas that can help in the development of personalized care for Filipino patients. One of its objectives, specifically, is to determine the prevalence of genetic polymorphisms associated with responses to metformin; glimepiride; and gliclazide	Generated significant biomarkers in the form of genetic SNP markers that are predictive responses to treatment to commonly used drugs for T2DM; diagnostic kits to guide therapy of Filipinos who may require special and tailored interventions and/or counseling; generate a pharmacogenetic database for the prevalence of the SNPs associated with therapeutic responses to diabetes type 2;	Genomic biomarkers of various cardiovascular conditions which can possibly be translated into a technology that would improve the quality of life of Filipinos.	patients, clinicians, patients-at-risks, drug developers	University of the Philippines	Feb 2014	Mar 2017	7,114,464	3,675,993	1,938,471	1,500,000	
Correlation of Candidate Genomic Variations for Susceptibility and Risk Assessment of Type 2 Diabetes Mellitus and its Related Medical Conditions	To determine genomic variants associated with type 2 diabetes mellitus (T2DM) and its complications, as well as with disorders related to T2DM, that can help in the development of personalized care for Filipino patients.	Generated significant biomarkers in the form of genomic SNP markers that are predictive of diabetes type 2 and its related medical conditions, as well as to responses to treatment; diagnostic kits to identify at-risk individuals who may require special and tailored interventions and/or counseling; database for the prevalence of the SNPs associated with diabetes type 2 and its related medical conditions in Filipinos;	Developed individualized treatment strategies and diagnostics, with the intention of enhancing the care of Filipino patients and their families;	patients, clinicians, patients-at-risks, drug developers	University of the Philippines	2014	2016	8,316,603	4,873,460	1,943,143	1,500,000	
Transcriptional Profiling and Pathway Analyses for Complications of Type 2 Diabetes Mellitus	To determine the differentially expressed genes during the occurrence of T2DM complications, particularly nephropathy, retinopathy, cerebrovascular disease, coronary artery disease and peripheral vascular disease	This study is expected to generate quantitative transcriptomic biomarkers that are predictive of T2DM complications, Database of gene expression profiles associated with T2DM and related medical conditions	The knowledge that will be derived from this program is crucial in developing individualized treatment strategies and diagnostics, with the intention of enhancing the care of Filipino patients and their families;	Patients, Pharmaceutical companies and industry	University of the Philippines	June 2014	Dec 2016	8,525,298	5,892,568	1,132,730	1,500,000	
Pharmacogenetic Studies on Some Commonly Used Drugs for Hypertension, Dyslipidemia, and Coronary Artery Disease Among Filipinos	To determine what candidate genetic variations associated with effective drug response and the occurrence of adverse drug events to medications for the treatment of hypertension, dyslipidemia, and/or coronary artery disease	-Genomic SNP markers that are predictive of various cardiovascular conditions in Filipinos -Descriptive database for the prevalence of the SNPs associated with cardiovascular disease, hypertension and dyslipidemia among Filipinos	Genomic biomarkers of various cardiovascular conditions which can possibly be translated into a technology that would improve the quality of life of Filipinos.	Health Sector, Researchers, General Population	University of the Philippines Manila, National Institute of Health	Jan - 2013	Dec- 2016	14,283,161	4,630,236	8,152,925	1,500,000	Year 2
The Prevalence of Genetic Polymorphisms Associated with the Risk for the Development of Hypertension, Dyslipidemia, and Coronary Artery Disease Among Filipinos	To determine what candidate genetic variations associated with hypertension, dyslipidemia, and/or coronary artery disease are prevalent and associated with such conditions among Filipino patients	-Genomic SNP markers that are predictive of responses to treatment for cardiovascular diseases in Filipinos -Descriptive database for the prevalence of the SNPs associated with drug response for CVD in Filipinos	Genomic biomarkers of various responses to treatment for CVD, which can possibly be translated into a technology that would improve the quality of life of Filipinos.	Health Sector, Researchers, General Population	University of the Philippines	Jan - 2013	Dec- 2016	5,874,167	1,999,428	2,374,739	1,500,000	Year 2
Association Between Pharmacogenomics and Clinical Response to Anti-Asthma Drugs Among Filipino Patients with Bronchial Asthma in the PGH Outpatient	The project aims to optimize treatment of asthma by aiming to obtain clinical and gene expression biomarkers of asthma in association with variability of responses to drug therapy that will lead to creating a database of biomarkers for asthma	Derived sets of markers for corticosteroid response Derived potential mechanisms for corticosteroid response Derived profiles for corticosteroid response for Filipino asthma patients Novel asthma pathways/phenotypes?	The knowledge that will be derived from this program is crucial in developing individualized treatment strategies and diagnostics, with the intention of enhancing the care of Filipino patients and their families;	Asthmatics, clinicians, patients-at-risks, drug developers	UP Manila Development Foundation, Inc.	June 2014	Dec 2016	9,746,104	5,263,700	2,982,404	1,500,000	
HLAB27 and HLABRB1 Genotyping of Spondyloarthropathies and its Severity among Filipinos patients	To investigate the role of HLA genes among Filipino patients of varying ages with SpA compared to healthy controls seen at the University of Santo Tomas Hospital	-Genetic frequency and association of HLAB27 and HLABR1 to spondyloarthropathies among Filipino Patients -Correlation between genetic expression of HLAB27 and HLABR1 and, risk and severity of spondyloarthropathy	-Establishment of genetic difference of Filipinos in the expression of the disease, and in turn, provide preventive measures towards lifestyle modification. -Putting clinicians, health care providers and even susceptible public to advantage, in identifying high-risk family members	Health Sector, Researchers, General Population	University of Santo Tomas- Department of Medicine, Section of Rheumatology	Jan - 2013	Dec 2016	1,121,913	0	1,121,913		Year 2

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost	Budget			Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
						ACTUAL			PROGRAMMED			
Bioactive Molecular Scaffolds from the Chemically-Engineered DCM Fractions of the Novel Endemic Annonaceae species <i>Uvaria Valderramensis</i> - A Diversity-Oriented Approach Towards New Antitubercular, Anti-staphylococcal and Anti-Alzheimer's Agents	To produce chemical derivatives with improved pharmacologic potency through chemical diversification or incorporation of bioactive handles to natural product scaffolds present in the fractions of the DCM extract of <i>Uvaria valderramensis</i> .	Data on the anti-TB, anti-staphylococcal and anti-cholinesterase inhibitory activity of the purified components of <i>Uvaria valderramensis</i>	<i>Uvaria valderramensis</i> as a possible source of natural product demonstrating biological activity against various infectious organisms	Infectious disease patients, researchers	University of Santo Tomas	2013	2014	-	-	-		
Y Chromosomal DNA Variation of Filipinos across Families Using Rapidly Mutating (RM) Y-chromosome Short Tandem Repeat (STR) Markers	to analyze the utility of 13 rapidly mutating (RM), Y-STR markers in individuating paternally-related Filipino males	(1) utility of RM Y-STR markers in differentiating paternally-related male persons (2) reference Philippine frequency database of RM Y-STRs which will be used to complement the existing database of more conserved Y-STR markers	The ability to successfully resolve a wider spectrum of forensic cases through the use of Y-DNA analysis	Health Sector, Researchers	University of the Philippines Diliman, Natural Science Research Institute	Oct - 2013	June 2016	4,625,756	-	3,125,756	1,500,000	Year 2
Forensic DNA Analysis for Human Remains Identification	To advance DNA-based human remains identification in the country by validating DNA typing systems for the of environmentally challenged samples.	Validated procedures for the analysis of degraded human samples	Enhance the country's capability to identify human remains and expedite the identification process of unknown persons for the benefit of affected families	Health Sector, Researchers	University of the Philippines Diliman, Natural Science Research Institute	Oct - 2013	Dec-2016	5,200,132	-	3,700,132	1,500,000	Year 2
MicroRNA Regulation of Drug Responses: Proof of Hypotheses	The project aims to elucidate the mechanisms responsible for inter-individual variability in responses to drugs, which are not attributable to gene polymorphisms.	Data which will contribute to the development of a 2nd generation patient stratification diagnostic kit.	A more comprehensive diagnostic kit that allows both genetic and epigenetic profiling for patients to further explain ethnic and inter-individual variation in responses to drugs.	Health Sector, Researchers, General Population	UP Diliman, National Institute of Molecular Biology and Biotechnology	Oct - 2013	Dec-2016	3,244,870	1,544,870	1,200,000	500,000	Year 2
<i>In vitro Plasmodium falciparum</i> Culture Facility for Bioassay	To determine in vitro synergistic combinations of chloroquine and artemisinin with dragonamide, telithromycin, and tigecycline; to cryopreserve large numbers of excess parasites and to store them for possible distribution to other laboratories interested in malaria research.	Evidence in the form of isobolograms showing that synergism occurs between representative antimalarial (chloroquine or artemisinin) and an antibiotic.	Clinicians and patients may benefit from improved therapy as a result of this study. Researchers will benefit from the availability of cryopreserved cultures, as well as the know-how that goes with their cultivation.	Health Sector, researchers	UP Diliman, National Institute of Molecular Biology and Biotechnology	Oct - 2012	Dec - 2015	67,520		67,520		
Heavy Metal, Black Carbon, Inflammation, Blood Pressure, and Lung Functions: Exposure Assessment of Traffic Enforcers of the Metropolitan Manila Development Authority (MMDA)	To assess the cardio-pulmonary health of traffic enforcers of the MMDA	Baseline exposure assessment of the cardiovascular and respiratory health of the traffic enforcers of the MMDA; the associations between BC and markers of lung function and inflammation, between BC and blood pressure and the associations between heavy metals and blood pressure, and between heavy metals and markers of cognitive function. Effect modification by smoking status, diabetes status, and obesity status of the enforcers.	Developed health guidelines for the occupational safety of traffic enforcers, street workers and the commuting public in Metro Manila; and minimize the health risk from exposure to heavy metal and traffic-related air pollution, and recommend more appropriate occupational safety control programs for traffic enforcers in the Philippines.	traffic enforcers, street workers, commuting public, policy makers	UP Manila Development Foundation, Inc.	Mar 2014	Mar 2015	3,468,954	2,233,042	1,235,912		
Species Diversity Analysis of <i>Schistosoma japonicum</i> and <i>Oncomelania hupensis quadrasi</i> Isolated from Endemic Provinces in the Philippines	The study is expected to answer questions on whether strain differences occur among the geographic isolates of the parasite <i>S. japonicum</i> and its snail intermediate host <i>O.h. quadrasi</i>	Provide important contributions to the national database on indigenous flora and fauna and international database on inter and intraspecific variation of the genus <i>Schistosoma</i> ; provides updates to local health personnel in undertaking schistosomiasis control strategies	control of schistosomiasis in 15 endemic provinces in the Philippines	Patients infected with schistosomiasis, health workers, LGUs, Policy makers, Researchers	UP Manila, College of Public Health	Jan 2014	Dec 2016	3,272,990	1,345,473	427,517	1,500,000	Year 2
Responding to the Philippine HIV Epidemic: An HIV Drug Resistance Surveillance Library and Development of Molecular Diagnostics for Drug Resistance Detection" Part 1: Surveillance of Mutations for Acquired Drug Resistance	To determine national prevalence estimates of (a) viral load suppression and (b) acquired drug resistance; to determine current circulating genotype and drug-resistance profiles of Filipino HIV patients who are failing antiretroviral therapy and form of a surveillance library	An HIV Drug Resistance Surveillance Library and Development of Molecular Diagnostics for Drug Resistance Detection	Health policy brief, to significantly contribute towards addressing major gaps in knowledge and response to the Philippine HIV epidemic	Patients with drug resistance, health sector, researchers, Policy makers,	UP Manila Development Foundation, Inc.	Jan 2015	June 2015	12,545,424.20	1,861,956	94,740.00	9,013,990.00	

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost				Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
									ACTUAL		PROGRAMMED	
Functional Food								799,548	799,548	-	-	
Cholesterol and Glucose Lowering Effects of Brown Rice Among Hypercholesterolemic Patients	to determine the efficacy of brown rice as a dietary staple in decreasing cholesterol levels	Data on use of brown rice in decreasing cholesterol levels.	Increase consumption of brown rice for the prevention and control of chronic degenerative disease	Hypercholesterolemic Patients, Researchers, health sector	Philippine Women's University	2013	2015	799,548	799,548			
Dengue Program									9,045,341	24,407,194	7,340,608	
Sustained Nationwide Dengue Vector Surveillance thru Oviparicidal Trapping	aims to provide an early warning system for dengue vector control -to maintain the dengue vector surveillance website developed by PCHRD; populate the website with oviparicidal index (OI) data; to have on-time reporting of OI for appropriate intervention; to give basic information on minimum intervention needed for different OLI categories; to facilitate access to OLI information by partner agencies	provide early warning system for dengue vector control thru installation of OL traps; institutionalize use of oviparicidal trap as tools for dengue vector control and surveillance	Decrease of dengue cases	General population, Policy maker, Health industry, LGUs/RHUs; DepEd;	DOST- NCR	Jan 2015	Mar 2016	23,425,994		17,285,386	6,140,608	
Deployment and Installation of DOST O/L Trap Kits Region I and Selected Site	To deploy and install DOST O/L Trap Kits in Laoag City, Vigan City and Barangay San Lorenzo, Makati City	Initial deployment of 5 months supply of O/L trap kits and pellets in Region I and selected site	Decrease of dengue cases	Residents of Laoag City, Vigan City and Barangay San Lorenzo Makati City	Industrial Technology Development Institute (ITDI-DOST)	May 2013	Dec 2015	100,434	0	100,434		
"Dose Formulation of Lagerstroemia speciosa, Zingiber officiale, Euphorbia hirta and a Fixed-Dose Combination of all Three" under the Prog-"Anti-Dengue From Selected Philippine Medicinal Plants: Formulation, Safety and Clinical Efficacy Studies."	To develop oral dose forms of the three plant materials that meet the regulatory requirements for registration	Determine which formulation is the most effective for treating Dengue.	Low incidence of dengue	Researchers, patients, Policy Makers	De La Salle Health Sciences Institute	Oct 2013	2015	500,000	82,171	417,829		
Proj 2 - Fever as an Early Warning Tool for Dengue Fever	Early warning tool for dengue fever	Developed Early warning tool kit	Early detection of dengue and reduce cases of dengue	General population, DOH and LGUs, Researchers,	Cognitech Clial Research, Inc.	2013	2015	7,200,000	2,373,214	4,826,786		
Dengue Vector Surveillance in Selected Public Schools in the NCR (Project 1) Prog Dev. Of Dengue Early Warning System in the NCR: Implication for Pro-Active Dengue Control	Established Dengue Vector Surveillance system in selected Public Schools nationwide	Deployed and installed OL trap kits in all public elementary and high schools nationwide	reduction of Aedes mosquitoes thereby reducing transmission of dengue disease	General population, DOH and LGUs, Researchers,, Policy makers	University of the Philippines Los Banos	Sept 2013	Dec 2015	1,119,130		1,119,130		
Dengue Vector Surveillance in the National Capital Region and Southern Luzon Cluster (Project 1) Prog Dev. Of Dengue Early Warning System in the NCR: Implication for Pro-Active Dengue Control	To monitor mosquito density nationwide thru the OL trap system; to continue maintaining and sustaining the installation of OL trap kits to all public elementary and secondary levels nationwide thru the DOST Regional Offices in partnership with DOH; DepED; and DILG.	Deployed and installed OL trap kits in all public elementary and high schools nationwide	reduction of Aedes mosquitoes thereby reducing transmission of dengue disease	General population, DOH and LGUs, Researchers,, Policy makers	DOST-NCR	Jun 2013	Dec 2015	5,382,452	5,382,452			
Field Evaluation of Effectiveness of Sticky Trap Using Crude Extract of Aedes aegypti Mosquitoes	The project aims to develop a pheromone-based device for attracting/trapping Ae. aegypti adult mosquitoes , and evaluate the device's efficiency through a small scall field trial.	Proptotype of pheromone-based device for attracting/trapping Ae. aegypti adult mosquitoes	Reduced tranmission of dengue through elimination of the vector Aedes aegypti	Households, LGUs, DOH, Dengue stakeholders	Rainiers Research and Development Institute, Inc.	2014	2016	3,065,133	1,207,504	657,629	1,200,000	Year 2
OTHERS Priorities									12,770,782	12,000,784	5,196,666	

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost	Budget			Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
						ACTUAL			PROGRAMMED			
Isolation and Structure Elucidation of Secondary Metabolites from the Phil. Endemic Rubiaceae Species <i>Uncaria Cordata</i> var. <i>Circa</i> and Psychotria Luzonensis and Evaluation of their Anti-Inflammatory and Antimicrobial Activities	To find new anti-microbial and anti-inflammatory chemotherapeutics without any side-effects to humans and the environment utilizing the endemic Philippine Rubiaceae plants	The expected outputs of the project will include peer-reviewed publications in reputable journals on natural products and pharmaceutical and medicinal chemistry. New knowledge will also be disseminated regarding the chemical constituents of the endemic plants <i>U. cordata</i> var. <i>circa</i> and <i>P. luzoniensis</i> , and the family Rubiaceae in general. The identification of bioactives from the two plant species will include them as new biologically active materials which may be tapped as potential target for drug discovery. If possible, this research will also target the identification of new compounds with significant antimicrobial activities.	The project will eventually help alleviate some of the diseases in the Philippines particularly in the anti-inflammatory and anti-microbial aspects. This will eventually uplift the Philippine landscape of Drug Discovery and Development.	Scientists (pharmaceutical, medicinal and organic chemists, microbiologists), academicians and government agencies, medicinal and organic chemists	University of Santo Tomas	July 2015	October 2016	1,982,861.00		1,380,566	602,295.00	
Surveillance of Mutations for Acquired Drug Resistance	to determine nationally representative prevalence estimates of (a) viral load suppression and (b) acquired drug resistance; and to determine current circulating genotype and drug-resistance profiles of Filipino HIV patients who are failing antiretroviral therapy and form a surveillance library .	Generated data on HIV molecular epidemiology, development of drug-resistance along with clinical characteristics of Filipino HIV patients.	Prevent, eliminate AIDS in the Philippines	HIV and AIDS patients, Medical professionals, Policy makers	UP Manila, and DOH - NEC	Jan 2015	July 2016	2,212,700		1,362,700	850,000	
Neurodegenerative effects of Prolonged Mid-life Sleep Deprivation in Mice	To determine the neurodegenerative effects of prolonged sleep deprivation in mid-life (3mos old) and late-life in Balb/cJ mice	Data base on the effects of prolonged sleep deprivation	Provide input to private and public policy makers and administrators to review labor policies pertaining to shift-work schedules	general public, public and private health and labor sectors, medical professionals, academe and policy administrators	St. Luke's Medical Center, Institute of Neurosciences	Mar 2015	Mar 2016	2,000,000		1,673,496	326,504	
The Impact of Speech and Lip Reading Training and Adjustment Counseling on the Elderly Individuals Ability to Cope with Hearing Loss	The project aims to investigate the effects of engagement in lip and speech reading training and adjustment counseling as a patient and family education intervention program on measures of adjustment to hearing impairment in the Filipino elderly exhibiting mild presbycusis.	An evidence-based lay-ed intervention program geared towards positive adjustment to hearing loss by the elderly and their family	Development of non-drug, non-technology based intervention for hearing loss using an auditory rehabilitation program that will be both effective and simple to administer.	Elderly population and family, Policy makers, health communities, researchers, health industry	St. Luke's Medical Center - Institute for Neurosciences	June 2014	Dec 2015	1,967,774	1,426,968	540,806		
Community and Home-based Balance Training Intervention for Filipino Elderly at Risk for Falls	Aims to develop a lay-led balance training intervention program module geared towards the improvement of balance in the elderly.	Develop community/home-based balance training intervention program	Control of falls among elderly, which are considered major causes of morbidity, decline in functions, and death among the elderly	Elderly population, family members, health workers, Policy makers, Researchers	St. Luke's Medical Center - Institute for Neurosciences	July 2014	Dec 2015	1,946,201	889,000	1,057,201		
An Observational Study on the Effects of Ballroom Dancing among Filipino Elderly with Mild Cognitive Impairment	To assess whether ballroom dancing could effectively delay, or even reverse, the progression of Mild Cognitive Impairment in the elderly, to examine the effects of social partner dancing on the executive control processes and overall cognitive function in the Filipino elderly.	Establishment of a supplementary, nonpharmacologic treatment protocol integrating ballroom dancing as intervention for mild cognitive impairment	Prevent and control disease in old age	Elderly population, family members, health workers, Policy makers, Researchers	St. Luke's Medical Center - Institute for Neurosciences Memory Center	July 2014	Dec 2015	1,992,069	1,536,974	455,095		
Chronotype-specific Adjustment to Shift Work of Contract Center Agents in the Philippines Chronotype of Filipino non-shift workers and shift workers (Proj 1)	Aims to study the chronotype in the Filipino population as it may be influenced by certain characteristics and shift work in contact centers.	chronotype distribution among non-shift workers surveyed, chronotype questionnaire for shift workers, paper-based Filipino version of the PhilMCTQ and PhilMCTQ-Shift, a report on shift working in Philippine contact centers;	Prevent and control lifestyles diseases of shift workers	Filipino and a shift worker, employed at a contact center, Researchers, Policy Makers,	UP Manila, UP Center for Integrative and Development Studies	June 2014	June 2015	1,644,130	1,081,360	562,770		
Prevalence of Iron Deficiency Anemia and Thalassemia in the NCR, Phil.: Implications on Policies on Anemia	To determine the prevalence of Iron Deficiency Anemia and Thalassemia in the NCR	Prevalence of IDA and thalassemia; Development of appropriate action plans to address the burden of these diseases based on the actual prevalence of thalassemia and hemoglobinopathy from the 2013 8th NNS.	Proper intervention to manage thalassemia disease in the country	DOH; PSHBT; Philippine Pediatric Society; Phil Association of Family Physicians, FPOGS, WHO and other international organizations focusing on thalassemia	UP Manila	Feb 2014	Feb 2015	5,849,656	3,982,222	1,867,434		
LIFE Course Study in Cardiovascular Disease Epidemiology (LIFECARE) Phase II: Baseline Cross-Sectional Survey	The project aims to identify the determinants in the development of CVD risk factors, verify the impact of lifestyle factors, determine the impact of CVD and its risk factors on health related quality of life and determine the impact of CVD and its risk factors on health care utilization among healthy individuals as they age.	Determine effect of various risk factors on a number of outcomes other than the development of CVD	Lower incidence of CVD.	Health Sector, General population, researchers	Sagip Buhay Medical Foundation, Inc.	Mar-2012	June-2014	7,000	7,000			Waiting for technical report

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost	Budget			Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
						ACTUAL			PROGRAMMED			
An Intensive Community-Based Lifestyle Intervention Program for the Prevention of Type 2 Diabetes Mellitus among Some Filipinos in San Juan, Batangas, Philippines	To determine the baseline food intake and exercise activity level, and prevailing beliefs regarding food intake and exercise among adult residents of San Juan, Batangas	Develop a culturally-appropriate and locally acceptable lifestyle intervention program composed of dietary modification and exercise; a manuscript detailing the results of comparison of the two types of diabetes prevention program	Lower incidence of diabetes in the country.	Health Sector, general population, researchers	University of the Philippines Manila	May - 2013	May - 2015	2,193,225	1,729,443	463,782		
Prospective Urban and Rural Epidemiologic (PURE) Study	The study aims to assess the relative contributions of societal influences of the four domains of interest on individual lifestyle choices and on risk factor levels and determine if changes in the 4 domains over time affect behaviours and risk factors levels.	A cardiovascular risk calculator that is specific for Filipinos.	Lower incidence of CVD.	Health Sector, General population, researchers	Sagip Buhay Medical Foundation, Inc.	Jan - 2013	Dec - 2014	829,403	811,903	17,500		
State of the Art Researches on Aging in the Philippines	the study will help the health system tailor its efforts to improve the health and well-being of older persons by consolidating findings of aging literature, identify research gaps and recommend research directions for the vulnerable aging population	A state of the art document describing studies done in the area of Ageing and identifying gaps that needs to be addressed through R and D.	Prioritized topics for future R and D activities in the country.	Elderly, caregivers, health professionals, and individuals directly involved in the care of elderly, future researchers	UP Manila Foundation, Inc.	2013	2014	0	0			On-going
Incidence of HIV in a cohort of men who have sex with men in Metro Manila	to establish data that will inform on the rate of new HIV infection among MSM and data on the risk factors for the acquisition of new HIV infection hence will provide evidenced based information for development of intervention; and to determine retention rate data that will inform feasibility of performing future HIV biomedical and behavioral prevention research.	(1) Data that will inform on the rate of new HIV infection among MSM; (2) Data on the risk factors for the acquisition of new HIV infection hence will provide evidenced based information for development of intervention; (3) retention rate data that will inform feasibility of performing future HIV biomedical and behavioral prevention research.	(1) Describe the characteristics, behaviors and practices of MSM; (2) Describe the knowledge, attitude and perception on HIV of MSM; (3) Determine the factors that are associated with the incidence of HIV infection	Researchers, patients with HIV	AIDS Reseach Group of RITM	2013	2016	8,766,133	745,971	4,000,000	4,020,162	Year 2
The Changing Epidemiology of the HIV-Positive Patient before and after Accessible Anti-Retroviral Therapy: Areas for Intervention in the Time of a National Epidemic	To determine whether free access to ART led to decrease in HIV-related morbidity and mortality; to identify behaviors that contribute to HIV transmission in the Philippine setting; and to establish a permanent electronic database which can be updated continuously for one the fastest growing and largest HIV treatment centers in the Philippines	Robust data about the effect of antiretrovirals on the HIV epidemic in the Philippines.	Set-up a continous database and electronic medical record for patients at the SAGIP HIV Clinic in the Philippines as a pilot for other research database in HIV treatment centers in the country.	Researchers, patients with HIV	UP Manila Development Foundation, Inc.	Dec 2013	Dec 2015	559,941	559,941			
Total Projects, Drug Discovery and Other Health R&D									245,635,246	138,657,262	98,673,000	
Development of Locally-fabricated hospital equipment and Biomedical Devices									26,176,608	20,034,800	18,500,000	
Development and Technical and Clinical Safety and Performance Testing of a Philippine-made Volume-cycled Mechanical Ventilator (year 2)	to design a cheap but safe and reliable mechanical ventilator for respiratory failure support, to do bench testing of this ventilator in terms of material failure, response rates, and other variables for bench testing on lung models and anesthetized dogs ,	1) Locally designed ventilator 2) Bench testing results to evaluate material safety and reliability on long-term use 3) Clinical trial results on actual patient use to assess safety and reliability. 4) Commercial model of the locally-made mechanical ventilator	Availability of ventilators in at least provincial hospitals, for life-saving support of many patients with severe disease, while the primary problem is being treated.	hospitals AND patients	UP College of Medicine, De La Salle University, Mapua Institute of Technology	Sept 2013	Aug 2015	1,849,458	1,814,658	34,800		
Development of an Affordable Universal Anatomic Knee System with Automated Instrumentation (y 2)	To develop high quality and affordable knee replacement implants that satisfy the functional requirements of the Asian population	knee replacement implants made for the Asian population	more affordable knee replacement procedure; more orthopedic surgeons trained to do knee surgery	patients which require knee replacement surgery, orthopedic surgeons	Orthopaedic International Inc.	June 2013	Dec. 2017	34,111,950	24,111,950	5,000,000	5,000,000	
Development And manufacturing of a Distal Targeting Device	To improve the design of the previously developed distal targeting device by: a) improving ease of use; b) improving accuracy; c) reducing production cost; to produce a prototype of the improved distal targeting device	distal targeting device for IM nails which will not require the use of xray	reduce the incidence of exposure to xray of orthopedic surgeons and patients who undergo surgery because of bone fractures; small hospitals can afford to conduct the procedure because there will be no need to buy the expensive C-arm x-ray machine which is the one traditionally used	hospitals and patients	Orthopaedic International Inc.	Nov - 2012	Dec. 2014	250,000	250,000			

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost				Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
									ACTUAL		PROGRAMMED	
Nationwide Field Performance Testing of DOST's Ceramic Water Filter System	This project aims to conduct field performance testing of one million units of DOST's candle-type ceramic water filter (CWF) systems in order to sustain sources of potable water especially during calamities. This project will also identify the distribution sites and mapping for the deployment of the CWF systems.	1 million Ceramic Water Filter units deployed in 13 regions.	Access to safe and potable water by households and victims of calamities, reduce incidence of water borne diseases	Households, Local potters, Plastic Industry, Local recipients/beneficiaries	Industrial Technology Development Institute (ITDI-DOST)	2015	2017	20,000,000		10,000,000	10,000,000	
Integration of Commercial Biomedical Device Units with CHITS and e-Triage	To integrate the maternal and fetal monitoring devices with the next generation of the UP Manila Community Health Information Tracking System (CHITS) and e-Triage; to deploy telemedicine devices in at least fifteen (15) locations identified by UP Manila to test its usefulness among target users	15 biomedical devices integrated with CHITS deployed in rural health units	reduced incidence of maternal and child deaths; more affordable healthcare	hospitals and patients (women)	Advance Science and technology Institute (ASTI)	Sept - 2014	Dec - 2018	8,500,000	0	5,000,000	3,500,000	Roll-out stage will start 2015- onwards
ICT in Health									7,585,109	2,618,904	5,500,000	
Phase II - Documentation of Philippine Traditional Knowledge and Practices in Health and Development of Traditional Knowledge in Health Digital Library (TKDL) (Mindoro, Zamboanga, Davao, Cordillera)	1. To document the communities' traditional knowledge and practices in health to be compiled in a digital library 2. To develop culture-sensitive health education materials with and for the community	Compilation of traditional knowledge (TK) and local health practices in form of digital library	Established the ownership, protection, and recognition of Philippine TK and health practices of Philippine indigenous peoples	indigenous communities	UP Manila-NIH (Institute of Herbal Medicine)	May 2014	April 2018	3,280,540	1,068,324	712,216	1,500,000	
Developing eHealth TABLET (Technology Assisted Boards for LGU Efficiency and Transparency) Prototype: A Bottom up and Integrative Approach to the Development of an Electronic Tablet-based Health Information System	To develop and pilot the tablet-based application software that can integrate several existing health information systems of local government units into one interface for timely, accurately, and quick tools in local decision making, to determine the usability of the information system bundled in eHealth TABLET.	Developed tablet-based application software	Realtime access to health statistics and informed health decision making by LGUs and DOH; electronic reporting of RHUs to DOH and reimbursement of PhilHealth benefits	General public, LGUs, DOH, Policy makers, Researchers, health industry	ADMU - Ins. Of Phil. Culture	Sept 2012	Dec 2015	527,000		527,000		
Connecting and Sustaining Health Research Communities: Integrating a Sector Wide Approach to the eHealth Phils. Agenda	To integrate the Sector Wide Approach in the eHealth Agenda, supporting health programs, advocacies and projects that facilitate stakeholder convergence and public advocacy towards broader research partnerships and collaboration	Active participation of stakeholders on eHealth Agenda formulation/ updates through online and public conference	Well crafted eHealth Research Agenda	Health sector, hospitals, academe, researchers	Ateneo de Manila University	Jan 2013	Dec - 2015	1,478,000	634,611	42,666		
The Acta Medica Philippina as a Predominantly Online Journal (Y-2)	To transform Acta Medica Philippina into a predominantly online medical journal, with full text functionality for its members and publish it regularly and on-time.	Online published journals for wider research dissemination	Accessible and readily available Philippine health research studies and articles from a national health research journal	medical researchers, health community	UP Manila	May 2014	April 2018	2,417,187	962,174	455,013	1,000,000	Year 2
Medical Teleparasitology for Laboratory Diagnosis of Parasitic Infections in the Philippines	The project will develop a medical teleparasitology database and referral system mechanism for the laboratory diagnosis of parasitic infections in selected regions in the Philippines	Referral system for teleparasitology cases and database	Improve regional laboratory diagnosis on parasitic infections and improved disease control and prevention	Regional laboratories, DOH and LGUs, general population	UP Manila - NIH	Jan 2014	Mar 2016	7,044,009	3,920,000	124,009	3,000,000	Y1- 2014-2015; Y2 - 2015-2016
Mobile Teledermatology Alert and Response System for Leprosy Control	Aims to improve the detection of new leprosy patients through the use of mobile technology. Pilot testing, system enhancement, and roll-out	Mobile technology referral system for leprosy cases	Improved detection of leprosy cases, eradicate and control of leprosy incidence in the country	General population, DOH and LGUs	Metahelix Inc / National Leprosy Control Program, DOH	April 2014	May 2015	2,000,000	1,000,000	758,000		
Capacity Building									35,000,000	40,000,000	45,000,000	
Developing Capacity to Implement Health Research	To support regional health research projects of beginning researchers, develop critical mass of health researchers, research institutions in the country, support research consortia management and operations, training and mentoring and give recognition/ awards to deserving researchers and research institutions	highly qualified researchers and high-impact researches	Better health R&D landscape in the Philippines	Health Sector, Researchers, Research Institutions, Medical schools and academic institutions	DOST Regional Offices in 17 Regions; De La Salle University-Dasmariñas for Region 4A and UP-NIH for NCR	Jan 2014	Dec 2014	Continuing Projects	30,000,000	35,000,000	40,000,000	
MD-PhD Molecular Medicine Scholarship Program	To produce MD-PhD graduates who should be able to: apply his expertise and knowledge of basic sciences in teaching or academe; to conduct biomedical research to upgrade health care services delivery; to apply basic research methods in formulating and implementing independent researches that will contribute to new knowledge in a particular discipline or specialty; and to contribute to scientific research with impact on national development	No. of years - eight (8) Scholars - ten (10) Doctor / Scientist No. of Expected Output - Scientist	Increase in number of doctor/ scientist that conduct biomedical research to upgrade delivery of health care services;	Health Sector, hospitals, medical laboratories,	University of the Philippines, Manila - College of Medicine	Jan 2014	Dec 2022	Continuing Projects	5,000,000	5,000,000	5,000,000	
Other S&T Services									49,855,229	68,684,000	70,000,000	
Advocating and Disseminating Research to Improve Health Research Utilization												

Project Title	Deliverables / Objectives	Expected Output	Expected Outcome	Beneficiaries	Implementing Agency	Project Duration		Total Project Cost				Remarks
						Start	End		Y 2014	Y 2015	Y 2016	
									ACTUAL		PROGRAMMED	
1. e-Health (electronic Health Information Village) 2. Regional / Institutional Health (HERDIN) Databases 3. Digital Library Network 4. Health S&T Publishing	to address the gap between generation of knowledge and actual utilization of the products of R&D	Generation of knowledge and utilization of R&D products through S&T intervention	Health researches are disseminated and utilized	Policy makers, planners, health advocate, medical communities, health S&T Networks	PCHRD	Jan - 2011	Dec - 2016	Continuing Proj	9,855,229	10,184,000	15,000,000	
Implementation of the Philippine National Health Research System (PNHRS)	To come up with a coordinated, and coherent research agenda which connect to, and converge with, the wider health, economic, political, education and S&T systems of the country.	National Health Research Agenda (NUHRA)	Improved health status, productivity and quality of life of Filipinos	General public; Policy makers, planners, health advocates, medical communities, health S&T Networks,	PCHRD	2014	2018	Continuing Proj	10,000,000	10,000,000	12,000,000	
International Linkages	ASEAN Network for Drugs, Diagnostics, Vaccines, and Traditional Medicines Innovation (ASEAN-NDI)	Collaborative programs/projects and policies addressing the public health needs in ASEAN; publication of ASEAN-NDI journal in IDP (International peer-reviewed journal)	Improved health outcomes in the ASEAN region and sustainable regional economic development	Policy makers, planners, health advocate, medical communities, health S&T Networks, Researchers, General Public	PCHRD	2014	2018	45,000,000	15,000,000	15,000,000	15,000,000	Continuing Activities
	Forum for Ethical Review Committees in Asia and the Western Pacific, (FERCAP)	Hosted the Joint 14th FERCAP International Conference and 1st PHREB National Conference on 23-26 November 2014	Strengthen international partnerships in the ethical review of health researches	General public; Policy makers, planners, health advocates, medical communities, health S&T Networks,	PCHRD	2014	2014	5,000,000	5,000,000			International Commitments
	Council on Health Research for Development, (COHRED)	Conduct of Global Forum for Research and Innovation for Health 2015	Provide new insights on how best to engage the self-driven development and priorities of low and middle income countries; and adopt an action plan on health research and development	Policy makers, planners, health advocate, medical communities, health S&T Networks, Researchers, General Public	PCHRD-DOST/ DOH/ COHRED	2014	2015	40,000,000	10,000,000	30,000,000		International Commitments
International Linkages	Medical Research Council, (MRC)	Collaborative R&D projects	Strengthen partnership between United Kingdom and Filipino researchers in conducting priority research topics	Policy makers, planners, health advocate, medical communities, health S&T Networks, Researchers, General Public	PCHRD	2015	2016	31,500,000		3,500,000	28,000,000	International Commitments
GRAND TOTAL GIA Projects/Programs									398,822,192	445,184,000	450,000,000	

Approved by:

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