PCHRD
List of GIA Projects
FY 2018

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Program: Drug Discovery and Development						**130,000,000**
Drug Discovery and Development from Mindanao Indigenous Plant Species Phase 2	MSU-IIT was established as one of the Tuklas Lunas Development Centers in Mindanao to harness the biodiversity in Mindanao for therapeutic potential. The program aims to develop potential ani-cancer and anti-infective drug leads from its ebailable resources while	2016 -2017	Mindanao State University - IIT	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	10	7,500,000
Phase 2: Myko-mining of Wild Edible Mushrooms and Other Allied Species in Central Luzon for their Medicinal Properties	The project aims to screen Philippine edible mushrooms for anti-inflammatory, anti-hypertensive, anti-hyperglycemic, anti-microbial and anti-cancer activities and document traditional knowledge of Filipinos on mushrooms and its cultivation;	2017 -2022	Central Luzon State University		3	7,500,000
Phase 2: Exploring the Potentials of Philippine Ferns and Lycopods as Therapeutics for Chronic Inflammation and Cancer: Formulations Program	The project aims to screen for and isolate anti-inflammatory and anti-cancer compounds from ferns and lycopod species collected from Mindanao, and conduct ethnopharmacological surveys to verify claims on the use of ferns and lycopods for medicinal purposes;	2017 -2022	Central Mindanao University/ University of the Immaculate Conception	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	10	3,000,000
Phase 2: Molecular Discovery Project from Selected Philippine Indigenous Medicinal Plants for Treatment of Diabetes Mellitus	The program will conduct in vivo and in vitro tests to isolate, characterize and evaluate insulin mimetics and a-amylase and a-glucosidase inhibitors from plants in a published journal and through a local survey.	2017 -2022	Visayas State University		8	5,000,000
Phase 2: Identification, Isolation and Characterization of Bioactive Metabolites from Terrestrial Plants and Maritime Organisms Used by Herbalists in Cebu Province	The program aims to validate the folkloric medicinal use of selected plants and screen plants for anti-microbial and anti-diabetic properties.	2017 -2022	University of San Carlos	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	7	5,000,000
Phase 2: Modulatory Role of Indigenous Medicinal Plants Identified in Ilocos Norte in Acute and Chronic Inflammatory Diseases	The project involves the screening and phytochemical profiling of endemic and traditional used medicinal plants in the Ilocos region	2017 -2022	Mariano Marcos Memorial State University		1	2,000,000
Tuklas Lunas for Marine Actinobacteria	The projects aims conduct rapid screening of possible drug candidates from actinobacteria in Iloilo employing metabolic techniques	2017 -2022	University of San Agustin	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	6	10,000,000
Addressing the Challenges of Re-emerging Infections and Chronic Diseases through Bioactives from Mount Makiling Watershed, Philippines	The proposal aims to tap the biodiversity of Mount Makiling for biologically active substances that can be used to promote human health and well-being. Central in this program proposal is the generation of an extract library. Sourced from plants and microorganisms, the library will serve as the depot of the biomaterials from which bioactives can be isolated and characterized.	2017-2022	UP Los Banos		4-A	18,000,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Pre-clinical Evaluation and Chemical Standardization of Moringa oleifera as anti-inflammatory, anti-hypertensive and anti-hyperglycemic agent	The progrm aims to formulate and standardize malunggay extrcts for inflammation, hypertension and hyperlycemia;	2017 -2019	UP Manila	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	NCR	3,500,000
Natural Products for the Mitigation of Degenerative Diseases Associated with Aging	a. To establish the proof of principle for the phenomenon of synergy in Vitex negundo ad Curcuma longa using cell-based and in vivo zebrafish assays for angiogenic and neuroprotective activitites b. To develop a new methodology which will be able to detect synergistic, additive or antagonistic effects in medicinal plants c. To combine the methods of bioassay-guided fractionation and synergy that will accelerate the development of medicinal plants	2017 -2022	Ateneo De Manila University		NCR	5,000,000
Herbal Extracts from Palawan, Samar, Negros Occidental and Nueva Ecija (Program)	terrestrial organisms from Palawan, Northern Samar, Panay Island, Negros Island, the Sierra Madre mountain region, and saprophytes from Benguet Province and to create a database of the DDHP Bioactive Extracts research program results from both Part 1 and Part 2.	2017-2022	Palawan State University; University of Eastern Philippines; Herbanext Laboratories Inc.; Leonie Agri Corp. and Pascual Laboratories		Regions 4B, 8, 6, 3 and NCR	5,000,000
Confirmatory and Orthogonal Assays to Eliminate Artefactual Drug Bioactivities (PHASE 2): Expanded Suite of Assays to include Multiple Hallmarks of Cancer	The proposal aims to resume validation of primary screen bioactive “hits” (compounds/extracts/fractions) using orthogonal assays of a different readout, signaling pathway mapping and/or high-content imaging; and to conduct primary multi-hallmark cancer assays on archived samples in the DDHP repository.	2017-2022	University of the Philippines Diliman		NCR	15,000,000
Cagayan State University Tuklas Lunas	The project aims to screen plants candidates from Cagayan Region as posisble herbal drug or lead drug candidates;	2018-2022	Cagayan State University		2	5,000,000
University of the Immaculate Conception	This study aims to isolate and characterize pectin derived from mango peels and passion fruit , mucilage from jute mallow, okra and taro and saluyot and carotenoids from Pineapple, squash and mango peels and establish the toxicity profile of excipients.	2018-2021	UIC	Drug companies, pharmaceutical researchers, DOH, government agencies	11	4,500,000
DDHP Marine Component Phase 2	1) Conduct high-throughput screening and characterization of compounds, extracts, and enzymes from selected marine organisms (conoideans, sponges, and marine microorganisms) using multiple approaches 2) Establish a curated chemical library of compounds, extracts, enzymes, and isolates; organize the collected data, metadata, and analytical tools into an information management and analytics system 3) Develop a collection and culture system for sustainable production of compounds.	2018-2022	UP Dliman	Healthcare practitioners, farmers/the agricultural industry, Biotech/pharmaceutical industry, scientific research and academic community	NCR	12,000,000
Establishment of a human cell culture model as a bioassay for cellular senescence	The project aims to establish a culture assay for normal cells that may be further developed for drug discovery studies, particularly those with potential to treat diseases associated with cellular senescence such as chronic inflammatory diseases.	2016 -2018	UP Diliman-Institute of Biology	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	NCR	4,000,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Promoter-based Drug Screen for Prostate Cancer Therapy	The proposal aims to establish assay platform and identify compounds/extracts that can selectively modulate full length androgen receptor (AR) and inhibit mutant AR activity. The screening assay will be used to identify from a herbal extract library the extract/prefractions/compounds that are potential therapies targeted to hormone-driven cancers particularly prostate cancer.	2017 -2022	UP Diliman-NIMBB	Researchers; Academe; Filipino population; Local herbal and pharmaceutical industry	NCR	6,000,000
Synthesis and Evaluation of Antiproliferative Activities of Flavonoids	To synthesize and evaluate anti-cancer activities of flavonoids using conventional and green methods	2017-2022	MSU-IIT		10	8,000,000
In vitro Bioactivities and Toxicities of Bioactive Extracts, Bioactive Hits, Drug Candidates and Dosage Forms	To screen bioactive extracts, bioactive hits, drug candidates, and dosage forms for their alpha glucosidase, alpha amylase, cyclooxygenase, xanthine oxidase, lipoxygenase, HMG-CoA reductase, lipase, angiotensin converting enzyme (ACE) inhibitory activity, in vitro hepatotoxicity, nephrotoxicity, and cardiotoxicity	2017-2019	UP Diliman		NCR	4,000,000
Program: Diagnostics						**23,000,000**
Nanomagnetic Bead Functionalization for Mycobacterium tuberculosis Specific Nucleic Acid Extraction and Molecular Diagnostics	TB kit for early detection in Filipinos	2016 -2020	De La Salle University	TB patients and immediate family, Reseachers, Health Industry, Policy Makers	NCR	5,000,000
Developing and Optimizing Quantification Methods for Marine Biotoxins in Human Biological Samples and Formulation of Risk Analysis of Harmful Algal Bloom (HAB)-related Food-borne Illness	Availability of harmful algal bloom detection protocol to reduce public health risks caused by HAB-related food-borne illness.	2017 -2020	UP DILIMAN	General population; Researchers; Health professionals; Health Industry; Policy makers		4,000,000
Development of Nanomaterial-Based Point of Care Test for the Detection of Pathogenic Bacteria	Availability of point of care test for testing and screening for common urinary tract infection.	2016 -2020	St Luke's Med Cenater			1,200,000
Development of Aptasensor Based on ssDNA/Piezoelectric Quartz Crystal Sensing for Direct Label-Free Detection of Target Proteins using Aptamers Selected by Microfluidic Chip-Capillary Electrophoresis Device	The development of this biosensor will lead to clinical trial for important proteins with biomedical significances.	2017 -2020	University of Santo Tomas	General population; Researchers; Health professionals; Health Industry; Policy makers	NCR	5,000,000
Development of a Gold Nanoparticle Labeled Sandwich Format Lateral Flow Immunoassay Kit for the Detection of House Dust Mite (Blomia tropicalis and Suidasia Pontifica) Allergens	Easier detection of allergens in the environment and allergies management.	2016 -2020	University of Santo Tomas			3,000,000
Development of a Point-of-Care Diagnostic Test for Detecting Dengue Infections	Availability of a sensitive, user-friendly, rapid and affordable test for dengue.	2016 -2020	St Luke's Med Center	Dengue patients, health professionals, researchers, Households	NCR	4,800,000
Electrochemiluminescence Biosensor for Tuberculosis Detection (EBTB)	Availability of a faster and easier detection test for tuberculosis.	2017 -2020	RITM	TB patients and immediate family, Reseachers, Health Industry, Policy Makers	NCR	
Kit for Detection of Arbovirus Infections	Early and accurate diagnosis for immediate supportive management of disease.	2019-2022	UP Manila/RITM	Patients, Researchers, Health Industry	NCR	

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Nationwide Intensive Profiling of Dengue Trends Using Rapid Diagnostics	Assessment of trends in dengue using rapid diagnostic test for dengue	2017	St Luke's Med CenTER/DOH NCRO	Dengue patients, health professionals, researchers, Households	NCR	
Establishment of Philippine Biobank Network for Human Biospecimens	The program aims to create the Philippine biobank network, a repository of human biospecimens that collects, processes, stores, distributes, and manages biological samples which are linked to the subject/patient's pertinent clinical and demographic data to support future investigations on health and medicine	2018-2022	Info to follow	Researchers, academe, clinicians, patients, population, drug industry	NCR	
Isolation and Characterization of Lectin from Different Species of Mushroom and the Development of Lectin-Based Biosensors for Food-Borne Pathogens	Purified lectins would be used for the development of a biosensor for the detection of common food-borne pathogens	2019-2022	CLSU	Researchers, Pharmaceutical, Food and Medical industry	3	
Point-of-care Detection of Salmonella enterica DNA using Loop Mediated Isothermal Amplification-Lateral Flow Assay	Development of a rapid and sensitive detection kit employing the LAMP - Lateral Flow Assat technology to detect Salmonella in human samples and food produce	2019-2020	NIH - IMBB	Rural areas affected by *S. enterica,* private and public hospitals, stand-alone laboratories and clinics	NCR	
Program: Genomics and Molecular Technology Program						**40,000,000**
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 personalised 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	2016 - 2017	University of the Philippines	patients, clinicians, patients-ast-risks, drug developers	NCR	15,000,000
See and Sequence Genomic Surveillance of Antimicrobial Resistant and High-risk Pathogenic Clones within the Philippines	To establish local capacity and expertise for whole genome sequencing within pathogen surveillance wiithin the Philippines	2016 - 2018	Research Institute for Tropical Medicine (RITM)	Patients, Researchers, Laboratories, Academecians	NCR	500,000
Structure Elucidation and Characterization of the Venus Kinase Receptors of a Philippine Isolate of Schistosoma japonicum	To identify Venus Kinase Receptor (VKR) inhibitors employing both in vitro and in silico approach.	2016 - 2018	UP - Diliman	Patients, Researchers, Laboratories, Academecians	NCR	500,000
Detection and functional characterization of KRAS, PIK3CA, BRAF, PTEN, and AKT1 gene mutations in Filipino colorectal cancer patients	To do mutational screening in the KRAS, NRAS, PIK3CA, BRAF, and PTEN genes in colorectal cancer patients and conduct functional analysis on novel mutations identified in order to provide clinically relevant biomarkers that can be translated to commercial test kits for predicting drug response to anti-EGFR therapy.	2016-2018	Philippine Genome Centre	Filipino CRC patients, Medical Doctors, Researchers	NCR	1,150,000
Responding to the Philippine HIV epidemic: An HIV Drug Resistance Surveillance Library and Development of Molecular Diagnostics for Drug-Resistance Detection Part 2: Analysis and Prevalence of Pre-treatment Drug Resistance	The project aims to determine HIV drug resistance among treatment-naïve Filipinos diagnosed with HIV and build a drug-resistance library that will document all discovered, archived and resistance mutations in the country.	2016 -2020	UP Manila Development Foundation, Inc.	HIV Patients with drug resistance, health sector, researches, Policy makers,	NCR	350,000
"IMP-XDP": Investigations on the Molecular Pathogenesis of X-linked Dystonia Parkinsonism	Project aims to identify and elucidate molecular mechanisms contributing to XDP pathogenesis	2017 -2019	UP Diliman	Researchers; clinicians, patients-at-risks, drug developers, Policy Makers	NCR	1,500,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Blood and Placental Gene Expression in Gestational Diabetes Mellitus: Potential Identification of Early Biomarkers	This study will examine the gene expression of GDM patients during their first, second, and third trimesters of pregnancy and compare with the results of OGTT and the diagnosis of their obstetrics-gynecologists. Moreover, this will identify the association of +45 and +276 Single Nucleotide Polymorphism within ADIPOQ gene with GDM among Filipinos	2018-2020	NIMBB	Researchers; clinicians, patients-at-risks, drug developers, Policy Makers	NCR	1,500,000
Gene Expression-based Outcomes Prediction of Surgically Resected Early Stage Lung Adenocarcinoma	To evaluate gene expression profiles in early stage lung adenocarcinoma in relation to clinical outcomes of 3-year survival and disease interval	2018-2019	UP Diliman		NCR	500,000
Profiling of Breast Cancer Recurrence-Related Genes among Filipinos	Program aims to Develop, validate, and test the use of different molecular vehicles for targeted drug delivery. This study is expected to primarily present a summary of expression levels of target genes in breast cancer specimens.	2018 -2019	Makatii Medical Center		NCR	1,500,000
Evaluation of the Safety and Feasibility of Intramuscular Transplantation of Umbilical cord- derived Mesenchymal Stem Cells for Diabetic Foot Ulceration	To evaluate safety of intramuscular transplantation of umbilical cord derived mesenchymal stem cells on diabetic foot ulceration	2018-2019	The Medical City		NCR	1,500,000
Filipino Genome Research Program	Program aims to profile the Filipino genome including the genome of several ethnolinguistic groups to be used in medical and forensic applications.	2018-2022	UP Diliman		Nationwide	3,500,000
Cyanobacterial Genomics Bioremediation and Biotherapeutics	Program aims to determine the presence of genes or gene clusters for stress tolerance and bioactive substances	2018-2020	UP Diliman		NCR	2,500,000
Hepatocellular Tumor-Associated Carbohydrate Antigen Detection for Glycan-Based Cancer Vaccine Development: Initial step towards establishments of the human glycomics facilities in the Philippines	Project aims to optimize glycomics protocol, in application to human glycomics utilizing glycoblotting technique, and to eventually establish the first glycomics-capable laboratory/center. The TACAs will be used forimmunotherapy and vaccine technology.	2018-2022	DLSU		NCR	2,500,000
UK – Philippines: Joint Health Research call on Communicable and Non-Communicable Diseases	Program aims to further build on the strengths of the UK and Filipino research base by funding innovative partnerships in Communicable as well as Non-Communicable Diseases of relevance to the Philippines	2018-2022	Various (UP, AdMU, UST, TMC etc)		NCR	7,500,000
Program: Dengue						**20,000,000**
Molecular Detection of Arbovirus Infections among Stored Acute Febrile Illness Blood Samples in the Philippines	The project aims to establish a laboratory-supported database of the arboviral etiology of acute febrile illnesses in the Philippines.	2017 -2019	UP Manila	Dengue patients, health professionals, researchers, Households	NCR	2,500,000
Effect of Baseline Dengue Serostatus Among Tetravalent Dengue Vaccine CYD-TDV (Dengvaxia) Recipients on Subsequent Virologically Confirmed Dengue in the Philippines	policy on dengue vaccination	2017 -2019	UP Manila - NIH	Dengue patients; health professionals; Researchers; Academe; Policy Makers	NCR	2,500,000
Pyrethroid Susceptibility of Dengue Mosquito Larvae Collected from Household Containers in Selected Cities in the National Capital Region	Vector control policy (mosquito space spray)	2017 -2019	UP Manila - CPH			2,500,000
Spatio-Temporal Analysis, Mapping, Modelling and Prediction of Dengue Occurences and Outbreaks (STAMP-Dengue)	mitigation of dengue outbreaks	2017 -2022	UP Diliman			2,500,000
Surveillance and Identification of Mosquitoes in Seaports and Airports	mitigation of dengue outbreaks	2017 -2022	RITM			2,500,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Genome editing of Aedes aegypti	Cost-effective and disruptive technology that can potentially and realistically end the problem of dengue	2017 -2022	UP Diliman	Dengue patients; health professionals; Researchers; Academe; Policy Makers	NCR	2,500,000
Biological Variability of *Aedes albopictus*	Vector control policy	2017 -2022	UP Manila			2,500,000
Gene silencing mosquito spray	decrease mosquito density	2017 -2022	UP Diliman			2,500,000
Program: Functional Foods						**21,000,000**
Development of Low-Cost Microencapsulated Products from Duhat and Bignay for Delivery of Functional Food Components	readily available and low cost microencapsulated duhat and bignay food prodcts	2018 - 2022	UPLB	General population; Researchers, Health industry, Policy makers	4-A	2,000,000
Development of Papaya Leaves Puree as Alternative Management for Increasing Platelet Count	developed puree as alternative management for increasing platelet count	2018	Carlos Hidalgo Memorial State College, Bacolod (REG 6)		6	2,000,000
Prevention and Management of Alzheimer's Disease in Streptozotocin-treated Rats using Virgin Coconut Oil	readily available vco for alzheimer	2018 -2022	ADMU	Patients-at-risk; Researchers; Industry; Policy makers	NCR	5,000,000
Sociocultural Mapping and Health benefits of fermented foods on the cardiovascular, endocrine and immune system of the people of the cordillera administrative region (CAR): Exploring the role of pro/prebiotic biomarkers Project 2A - Association between consumption of fermented rice and wine with the cardiovascular, endocrine and immune system of people of CAR Project 2B - Effect of environment and food interaction on the health status of an ethnoliguistic group of the Philippines	determined health benefits of fermented foods for cardiovascular, endocrine and immune system enhancement	2017	UP Manila	General population; Researchers, Health industry, Policy makers	NCR	0
Determination of the nutritional profile, metabolic bioactivity and the probiotic and prebiotic potentials of rice wine and lees from the Cordillera Autonomous Region	Determine health benefits of rice wine and lees with probiotic/prebiotic potentials	2017 - 2018	UP Manila			1,500,000
Stress Exposures and Subsequent Probiotic Performance: Towards Optimization of Probiotic Stability and Activities of Beneficial Bacteria in Food	Optimized probiotic bacteria in foods	2018 - 2022	UP DIliman			1,500,000
Influences of Maternal Dietary and Nutritional Status on the Microbiological and Chemical Compositions of Fecal Samples from Selected Mother-Infant Dyads from 0 to 4 Months Post-Partum	Establish the influences of maternal characteristics on fecal outcomes of mother-infant dyads from 0 to 4 months post-partum	2018 - 2020	UP Diliman			3,500,000
Rehabilitation and Evaluation of Quality of Life through Management, Nutrition Education, Healthy Diet, and Intervention of Substance Abuse Individual (REMEDI)	The program aims to improve the nutritional status and quality of life of substance abuse patients through the consumption of nutritious fresh beverage, snack foods, and meal rich in protein with micronutrients and nutrition education for healthy lifestyle and group therapies to improve behavior	2018 - 2022	FNRI			3,500,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
ImmuNeuRice: Development of Rice-based Neuroprotective Antibody and Plant-derived Immunomodulators as Novel Therapeutic Strategies for Dementia	Neuroprotective and immunomodulatory therapies for dementia	2018 - 2022	PhilRice	General population; Researchers, Health industry, Policy makers	3	1,500,000
Potential Presence of Antihypertensive Peptides (Angiotensin I Converting Enzyme (ACE) Inhibitory Peptides) in Select Philippine Fermented Food	Screened fermented products with antihypertensive property	2017 - 2018	FNRI		NCR	500,000
Program: Other Health Priority Areas (OPA)						**22,000,000**
The International Polycap Study 3 (TIPS 3)	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.	2017 - 2019	Section of Adult Medicine and Medical Research Unit UP- College of Medicine	Patients with underlying atherosclerosis, Elderly people aged 50yrs old and above, Health industry, Policy makers	NCR	1,000,000
Institutional Grant for Invigorating Basic Research in Health Sciences	to contribute significantly to the advancement of Science and Technology	2017 - 2017	NRCP	Researchers, Health Industry, Policy Makers,	NCR	8,000,000
A Cross-Sectional Study on the Seroprevalence of Zika Virus Infection Among Filipino Children with Isolated Microcephaly	to determine the prevalence of Zika virus in the Philippines among Filipino patients who present with signs and symptoms consistent with Zika virus infection	2017-2018	Research Institute for Tropical Medicine (RITM)	DOH, local clinicians, local and global researchers	NCR	1,500,000
Incidence of HIV in a cohort of men who have sex with men in Metro Manila	The primary objective of the study is to determine the incidence of HIV in a cohort of men who have sex with men (MSM) in Metro Manila. SECONDARY OBJECTIVES: 1. To describe the characteristics, behaviors and practices of MSM. 2. To describe the knowledge, attitude and perceprtion of HIV of MSM. 3. To determine the factors that are associated with the incidence of HIV infection.	2017 - 2018	Research Institute for Tropical Medicine (RITM)	Patients-at-risk; Researchers; Health Industry, Policy Makers		500,000
The Philippine COPD Profile and Survival Study (CPASS): A muti-center, prospective cohort, observational study.	The Philippine COPD Profile and Survival Study will provide the necessary information, disease trends and statistics aimed to increase the understanding of physicians about the local phenotypic distribution of COPD and its survival pattern.	2017 - 2022	Research Institute for Tropical Medicine (RITM)	Patients-at-risk; Researchers; Health Industry, Policy Makers	NCR	1,500,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Prospective and Urban Rural Epidemiologic Study	The project aims to: 1. To develop cardiovascular risk calculators that are appropriate for individual countries or regions; 2. To assess the relative contributions of societal influences [as measured by each of the 4 domains of interest (built environment, nutrition, policy, psychosocial/socioeconomic factors and tobacco) on individual lifestyle choices (diet, activity) and on risk factor levels (INTERHEART score) obesity, DM and CVD (cross-sectional component). 3. To determine if societal changes in the above 4 domains over time affect behaviours, and risk factor levels.	2017 - 2022	Section of Adult Medicine and Medical Research Unit UP- College of Medicine	Patients-at-risk; Researchers; Health Industry, Policy Makers	NCR	2,500,000
Investigating the effect of Work Hazards and Air Pollutant Exposures of Jeepney Drivers in Metro Manila on their Occupational Health and Safety Conditions."	to study the effects of work hazards and air pollutant exposures of jeepney drivers in Metro Manila for their occupational health and safety conditions	2017-2018	RITM	Patients-at-risk; Researchers; Health Industry, Policy Makers	NCR	500,000
Impact Assessment of the project entitled, "Towards a Sustainable Control and Elimination of Schistosomiasis in the Philippines"	The study will test the hypothesis with the following specific aims: • Field test integrated control strategies for the elimination of schistosomiasis in the highly endemic barangays (villages) in Samar province in order to quantify the impact of these strategies and to estimate required parameters to mathematically model candidate approaches to control. • Use mathematical modelling to predict S. japonicum transmission and to assess the impact and cost-effectiveness of future schistosomiasis control strategies for the elimination of schistosomiasis from the Philippines.	2017 - 2018	RITM - DOH			500,000
A cross-sectional study on the prevalence of Zika Virus infection among febrile adult patients in different areas in the Philippines	General objective: To determine the prevalence of Zika virus in the Philippines among Filipino patients who present with signs and symptoms consistent with Zika virus infection and pregnant women with microcephalic fetus and the fetus themselves Specific objectives: 1. To describe the clinical characteristics and outcomes of patients infected with Zika virus in the Philippines 2. To identify factors that are significantly correlated with Zika virus infection 3. To describe the phylogenetic characteristics of the local Zika virus isolates	2018-2022	RITM	Department of Health, local clinicians, local and global researchers	NCR	1,500,000
Biocompatible Sealant for the Percutaneou7s Repair of Indirect Inguinal Hernias. Development and Selection of Candidate Biocompatible Compounds	1. To formulate candidate compounds utilizing various mixtures of tannic acid, polyethylene glycol, and phycocolloids; 2. To determine the physical as well as basic biocompatibility properties of the formulated compounds; 3. To select the most appropriate compound or compounds for subsequent in vivo tests.	2019- 2022	University of the Philippines - Diliman	local and global researchers	NCR	

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Single Arm Study on the Efficacy and Safety of Adding Piolitazone to the treatment of adult cromnic Myelogenous Leukemia Patients with Sub Optimal Rsponse after 12 months	Determine the efficacy and safety of adding pioglitazone and a tyrosine kinase inhibitor in patients with CML who have suboptimal response after 12 months of TKI either as first ine or second line treatment	2020-2022	UST	academe, clinicians, local and global researchers	NCR	
Defining th Philippine Mental Health Research Agenda through Multistakeholder Consultation	to define priorities for research on mental health in the Philippines and evolve a research agenda on mental health through a participatory and multi-stakeholder approach	2019 - 2022	WAPR	Patients-at-risk; Researchers; Health Industry, Policy Makers	National/NCR	
Antigenicity to humans and gene polymorphism of the new malaria vaccine candidate, TAM (Trans-amidase like molecule) of Asian Malaria	To develop and characterize human immune responses to malaria vaccine candidates by identifying and producing recombinant novel malaria vaccine antigens, investigating the correlates of immunity to human malaria of the candidate antigens by analysis of antibody and T cell responses and characterization of the genetic variability of Plasmodium falciparum TAM genes	2017-2019	Research Institute for Tropical Medicine	Filipino communities residing in maria endemic areas	NCR	1,000,000
An Integrated Research for the Detection and Control of Emerging and Re-emerging Arthropod-borne Viral diseases in the Philippines	The study will contribute to the understanding of the public and livestock health in the Philippines under the "One Health" concept by improving the understanding on the mechanisms of evolution, ecological cycle, and emergence/re-emergence of vector-borne viruses in the country	2017-2020	Central Mindanao University	General public, animal health providers, livestock producers, epidemiologists, lawmakers, pharmaceutical companies, and	10	2,500,000
Comprehensive study of antibiotics associated diarrhea in Southeast Asia	The study aims to investigate the epidemiology, etiology and pathogenesis of AAD, as well as evaluate antibiotic resistance in AAD patients in the Philippines	2017-2019	University of the Philippines Visayas	Researchers, Health Industry, Policy Makers	6	1,000,000
Program: ICT in Health						**65,500,000**
Roll-out of RxBox Telehealth Device in Selected Rural Health Centers in the Philippines	To deploy RxBox units to selected rural health centers in the Philippines	2015 - 2018	DOST Regional Office 4-A	General population; Researchers; Academe; Health professisonals; Health Industry; LGUs; Policy makers	Reg 4-A	10,000,000
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	2015 - 2017	Institute of Philippine Culture - Ateneo de Manila University		NCR	
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	2015 - 2017	ADMU - Ins. Of Phil. Culture		NCR	
Feasibility Analysis of Syndromic Surveillance Using a Spatio-Temporal Epidemiological Modeler (FASSSTER) for Early Detection of Disease	To create epidemiologial models of 3 selected diseases (Typhoid Fever, Measles, Dengue) from real-time monitoring systems using Spatio-Temporal Epidemiological Modeler (STEM)	2016 - 2018	Ateneo de Manila - Ateneo Java Wireless Competency Center		NCR	5,000,000
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	2017 - 2022	UP Manila - NIH		NCR	2,000,000
eHealth Analytics for Data Driven Decision - Making	To develop an inter-operability layer and functional transaction flows from disparate community-based health information systems as point-of-service transactions to the government health registries and databases	2017 - 2022	ADMU - Ins. Of Phil. Culture		NCR	5,000,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Digital Histologic Image Analysis System for Hirschsprung's Disease	To develop and integrate optical, hardware, and software systems for the capture, storage, and analysis of digital histologic images to aid in the diagnosis of Hirschsprung's Disease	2017 - 2018	UP Manila	General population; Researchers; Academe; Health professisonals; Health Industry; LGUs; Policy makers	NCR	5,000,000
Aruga sa Batang may Cancer (ABC) Initiative: A Web-based Pediatric Palliative Care Service Provider in the Philippines	To alleviate the health burden among pediatric clients with cancer and their families through its proposed web-based palliative care service delivery	2017 - 2022	UP Open University		NCR	5,000,000
The Acta Medica Philippina as a Predominantly Online Journal	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.	2017 - 2018	UP Manila	Health professionals; Researchers; Academe;	NCR	500,000
Refinement and Pilot Deployment of the GeeBee System to monitor the general wellness of public school children	to develop an upgraded GeeBee app under actual school settings	2018-2022	DLSU	General population; Researchers; Academe; Health professisonals; Health Industry; LGUs; Policy makers	NCR	3,800,000
CHITS for XDP: Improving XDP Management through quality health information	to develop an XDP module generic archetype for EMRs and pilot test in CHITS EMR	2018-2019	UP Manila	General population; Researchers; Academe; Health professisonals; Health Industry; LGUs; Policy makers	NCR	5,000,000
Social Contact Networks in Mixing Students in Environments	to develop tools and methods that leverage on combining and correlating data from proximity sensors(e.g. time, duration, and location of contact) as the primary data source, and secondary data sources (e.g. schedules) to infer the social contact network	2018-2019	DLSU	Health professionals; Researchers; Academe;	NCR	3,000,000
Effect of RxBox on Patient and Health Information Outcomes in Philippine RHUs	to determine the effectiveness of RxBox 1000 in improving the health care service in the Philippines communities served by RHUs in three months of deployment	2018-2022	UP Manila-NTHC	Health professionals; Researchers; Academe;	NCR	3,000,000
Determining the Diagnostic Accuracy of the Integrated Management of Childhood Illnesses (IMCI) Tablet Application in the Diagnosis of Childhood Pneumonia, Anemia, and Ear Infection when used by Frontline Health Workers in the Philippines	to determine the diagnostic accuracy of the Integrated Management of Childhood Illness (IMCI) mobile application in diagnosing anemia, ear infection, and pneumonia among children two months up to five years	2018-2022	ACCESS Health International	Health professionals; Researchers; Academe;	NCR	3,000,000
Remote Microscopy Quality Assessment and Disease Surveillance (REMIQADIS)	To develop hardware and software tools that allow remote validation of microscope specimen images and surveillance of target diseases.	2019-2022	UP Diliman	Health professionals; Researchers; Academe;	NCR	1,500,000
Documentation of Philippine Traditional Knowledge and Practices on Health, and Development of Traditional Knowledge Digital Library, (TKDL) on Health: Selected Cultural Communities of Middle Sierra Madre,Luzon Island	To contribute to the national repository of traditonal knowledge and practices on health, facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Good Samaritan College	Cultural communities, researchers, academe	4A	1,100,000
Documentation of Philippine traditional knowledge and practices on health and development of traditional knowledge digital library on health: Selected cultural communities of Southern Quezon, Quezon	To contribute to the national repository of traditonal knowledge and practices on health, facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Southern Luzon State University	Cultural communities, researchers, academe	4A	1,100,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Documentation of the Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Library on Health : Agta Communities in Palaui Island Sta. Ana, Cagayan), Malaweg Tribe in Rizal and Iyapayao Tribe in Sta. Praxedes, Cagayan.	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2019-2022	Cagayan State University	Indigenous people, researchers, academe	2	
Medicinal Plants and Healing Rituals of Obu-Manuvu Tribe of Marilog District, Davao City	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Kinasang'an Foundation, Inc.	Indigenous people, researchers, academe	10	1,400,000
Documentation of Traditional Knowledge and Practices on Health and Development of Digital library on Health: Kankanaey and Ifiallig communities in Benguet and Mountain province	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2019-2022	Benguet State University	Indigenous people, researchers, academe	CAR	2,900,000
Documentation of Traditional Knowledge and Practices on Health and Development of Digital library on Health: Bukidnon-Magahat Tribe in Basay, Negros Oriental	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Negros Oriental State University	Indigenous people, researchers, academe	7	1,200,000
Documentation of Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Lirary on Health: Higaonon Tribe of Esperanza, Agusan del Sur	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Philippine Normal University - Mindanao	Indigenous people, researchers, academe	CARAGA	1,000,000
Documentation of Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Library on Health: Mamanwa of Surigao del Norte	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Surigao State College of Technology / St. Paul University Surigao	Indigenous people, researchers, academe	CARAGA	1,200,000
Documentation of Philippine Traditional Knowledge and Practices on Health and Development of Traditional Knowledge Digital Library on Health: FOLK HEALING PRACTICES of SIQUIJOR ISLAND: Phase 3	To contribute to the national repository of traditonal knowledge and practices on health, facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Siquijor State University	Cultural communities, researchers, academe	7	1,300,000
Documentation of the Traditional Knowledge on the Ethno Medicinal Practices of the MANOBO Community in San Miguel, Surigao del Sur	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Surigao Del Sur State University - Main Campus	Indigenous people, researchers, academe	CARAGA	1,250,000
Documentation of the Traditional Knowledge on the Ethno Medicinal Practices of the RAJAH KABUNGSUAN MANOBO Community in Lingig, Surigao del Sur	To provide protection to the traditional knowledge of Indigeneous People (Ips), facilitate biodiversity conservation and has a potential to provide scholarly information for the research community, policymakers, and the general public.	2018-2022	Surigao Del Sur State University - Tagbina Campus	Indigenous people, researchers, academe	CARAGA	1,250,000

N

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Program: Hospital Equipment and Biomedical Devices						**44,750,000**
Development and Technical and Clinical Safety and Performance Testing of a Philippine-made Volume-cycled Mechanical Ventilator	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 anesthesized dogs ,	2017 -2022	UP College of Medicine, De La Salle University, Mapua Institute of Technology	hospitals; patients; health industry,	NCR	1,500,000
Philippine Biomedical Device Innovation Consortium (PBDIC)	The Philippine Biomedical Device Innovation Consortium will mobilize engineers, health specialists and other stakeholders to explore, develop and integrate technologies in the area of Hospital Equipment and Biomedical Devices to improve the quality of health care.	2017 - 2022	UP Diliman, National Engineering Center	Researchers; health professionals; hospitals; patients		3,500,000
A Robotic Exoskeleton Arm for Upper-extremity Rehabilitation	Aims to develop a robotic exoskeleton arm that specifically addresses the upper-extremity rehabilitation of stroke patients.	2017 - 2022	De La Salle University	Rehabilitation medicine healthcare providers, patients, rehabilitation centers		5,000,000
Gamification of Balance Evaluation and Intervention for Post-stroke and Post-injury Patients Monitoring Lower Limb Rehabilitation (BOAT)	Conduct a clinical validation test to verify the measurement for safety and effectivity of the device.	2018-2019	Ateneo De Manila University	Rehabilitation medicine healthcare providers, patients, rehabilitation centers		5,000,000
Portable Blood Counter with Mobile Application	To develop a portable blood counter with mobile application using image processing and analysis, that allows the determination of white blood cells, red blood cells, and platelets count in a given microscopic image for remote diagnosis.	2017 - 2020	Mapua Institute of Technology	hospitals, industry, policymakers	NCR	3,000,000
Development of Rehabilitation Device Using Developed Normative Filipino Gait Database	Develop locally-made rehabilitation device using normative Filipino gait parameters.	2018-2020	UST	Rehabilitation medicine healthcare providers, patients, rehabilitation centers	NCR	1,500,000
Establishing a Research Center for Biomedical Device Innovation	To facilitate and promote biomedical device innovation research activities.	2018-2022	PBDIC, University of Santo Tomas, De La Salle University	Researchers; health professionals; hospitals; patients	NCR	20,000,000
Clinical and Radiological Results of the Axis Knee System in Filipinos with Degenerative Osteoarthritis in PGH	To know the short term clinical and radiologic results of the AXIS knee system in Filipino patients in PGH with Degenerative OA	2018-2020	PGH	Researchers; health professionals; hospitals; patients	NCR	5,250,000
Program: Climate Change and Disaster Risk Reduction						**34,000,000**
R&D for Disaster Risk Reduction and Climate Chang Adaptation	to fund and implement cross cutting researches under health research area which have direct implications on the public health	2017 - 2022	ADMU; DLSU; Remote Area Medical (Cuyo Foundation, Inc.); Symmetrix Research Consultancy; Regional Health Research and Development Consortia	General population; Researchers; LGUs; Policy makers	NCR	20,000,000
Establishment of the Award for Global Innovators on DRR and Climate Change Adaptation	to invigorate global initiatives and programs in innovations for disaster risk reduction and management and climate change adaptation	2017 - 2022	DOST Task Force for the Establishment of the Philippines as Global Hub on S&T Innovations in DRR and Climate Change Adaptation		NCR	2,500,000
Establishment of the Global Hub on S&T Innovations in DRR and Climate Change Adaptation	to develop the Philippines as the global Hub on S&T innovations for disaster risk reduction and climate change adaptation (health)	2017 - 2022				1,500,000
Program on Capacity Enhancement on Disaster Research in Health Workshop	to develop the Philippines as the global Hub on S&T innovations for disaster risk reduction and climate change adaptation (health)	2017 - 2022	Regional Health Research and Development Consortia		All Regions	10,000,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Program: Capacity Building and Development of Human Raesource in S&T						**78,000,000**
Developing Capacity to Implement Health Research	To support regional health research projects of beginning researchers, develop critical mass of health researchers through fellowships and trainings locally and internationally and research institutions in the country, support research consortia management and operations, training and mentoring, provide recognition/ awards to deserving researchers and research institutions, and establish regional training centers nationwide	2017 - 2022	DOST Regional Offices in 17 Regions; De La Salle University-Dasmariñas for Region 4A and UP-NIH for NCR	Health Sector, Researchers, Research Institutions, Medical schools and academic institutions	All Regions	60,000,000
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 specialy; and to contribute to scientific research with impact on national development	2017 - 2022	University of the Philippines, Manila - College of Medicine	Health Sector, hospitals, medical laboratories,	NCR	8,000,000
MS Molecular Medicine Scholarship Program	To produce experts in Molecular Medicine who will contribute to national development through health R&D	2017 - 2022	SLMC College of Medicine	Health Sector, hospitals, medical laboratoties	NCR	5,000,000
Clinical Research Fellowship Program	To produce clinical research experts in Hepatology, infectious disease, natural products	2017 - 2022	PCHRD	Health Sector, hospitals, medical laboratories, medical practitioners	All Regions	5,000,000
Other S&T Program						**50,493,000**
Advocating and Disseminating Research to Improve Health Research Utilization	to address the gap between generation of knowledge and actual utilization of the products of R&D	2017 -2022	PCHRD	Policy makers, planners, health advocate, medical communities, health S&T Networks		
1. Regional / Institutional databases, information systems and websites (HERDIN/ PHRR, eHealth portal, RHRDC websites, etc) 2. Digital Library Network 3. Health S&T Publishing an other research dissemination activities 4. Technology matching and research translation					NCR	40,493,000
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.	2017 - 2022	PCHRD, DOH, UP-NIH		All regions	10,000,000

Program/ Project Title	Objectives / Deliverables	Project Duration	Implementing Agency	Beneficiaries	Location Per Region	2018 AS PROGRAMMED
Program: Collaboration with Industry, Academe and International Institutions						**25,000,000**
International Linkages	ASEAN Network for Drugs, Diagnostics, Vaccines, and Traditional Medicines Innovation (ASEAN-NDI)	2017-2022	PCHRD	Policy makers, planners, health advocate, medical communities, health S&T Networks, Researchers, General Public	NCR	10,000,000
	Regional Prospective Observational Research for Tuberculosis					5,000,000
	e-ASIA Joint Research Program					5,000,000
	Medical Research Council, (MRC)					5,000,000
TOTAL, GIA						**553,743,000**