

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

1. Office: Philippine Genome Center (PGC)		
2. Programs (R&D): a. Health Program b. Agriculture/ Livestock/ Fisheries/ Forestry Program c. Formerly Biodiversity Program, Forensics and Ethnicity Program to Biodiversity, Ethnicity and Forensics Program d. Computational Genomics & Systems Biology Program		
3. Official(s) involved/Designation/Period:		
Program	Officials Involved, Designation	Period
Health	Eva Cutiongco-De La Paz, MD Raul Destura, MD	May 2014-September 2016 September 2016-August 2019
Agriculture	Rita P. Laure, Ph.D. Antonio Laurena, Ph.D. Hayde Galvez, Ph.D. (OIC)	September 2013-August 2016 August 2015-August 2016 June 2016-November 2016
Biodiversity	Gisela P. Concepcion, Ph.D. Ian Fontanilla, Ph.D.	September 2013-August 2016 September 2016-August 2019
Forensics and Ethnicity	Cora De Ungria, Ph.D.	May 2014-April 2017
4. Staff involved (Projects):		
Project	Leader	Staff (SRS, RA, etc.)
PCARI	Eva Cutiongco-De La Paz, MD Cynthia Saloma, Ph.D.	Beverly Boyboy Eileen Montes Sarah Penir Shiny Yu
Colorectal Cancer CRC 1 CRC 2	Reynaldo L. Garcia, Ph.D. Eva Cutiongco-De La Paz, MD	Kevin Kent Canlas Joshua Malapit Tiffany Ong Krizelle Alcantara Mia Reiland Fidel Serrano
Conus Project 2 Project 1 Project 3	Arturo O. Lluisma, Ph.D. Lilibeth Salvador-Reyes, Ph.D. Eizadora Yu-Robeto, Ph.D.	
Forensics	Cora De Ungria, Ph.D.	Frederick Delfin Aileen Boquiren Gayveline Calacal Jazelyn Salvador Dame Apaga Tyrll Itong
Health-PREVA Diabetes Mellitus 1	Eva Cutiongco-De La Paz, MD	Aimee Aman Ralph Duhaylungsod Babylyn Pernites Elizabeth Alejandro

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

Diabetes Mellitus 2		Christian Ballecer Christine Luna Gabriel Jasul Annabelle Lat Maria Jarin Elizabeth Mercado Mark Mitra
Diabetes Mellitus 3	Jose B. Nevado Jr., Ph.D.	Maria Patricia Maningat John Paul Quisumbing Rouzle Katherine Ocampo
Agriculture PMCO Coconut Project 1	Antonio C. Laurena, Ph.D. Hayde Galvez, Ph.D.	Virma Rea Lee Clarisse Gonzalvo Gina Malison Shela Algodon Charles Cadorna Jose Fernan Reyes Ma. Anita Bautista Jesus Caluña Ernesto Emmanuel Arturo Lluisma Ramon Rivera Susan Rivera
Coconut Project 2	Ian Fontanilla, Ph.D.	Annabelle Elechi Enrique Frio Andrea Camiring Ace Constantino Gilbert Eslit Maria Adelina Facun Christian Robiso
Coconut Project 3	Cynthia Saloma, Ph.D.	Jeanette Condalor Ernesto Emmanuel Ramon Rivera Susan Rivera Dianne Acoba John Erol Evangelista Ma. Regina Punzalan Melanie Salinas
Coconut Project 4	Maria Genaleen Diaz, Ph.D.	Rachel Acil Wilson Aala Jr. Eufrocino Aquino John Paul Balboa Bernabeth Jo Tenderso
Coconut Project 5	Antonio Lauena, Ph.D.	Olivia Damasco Melanie Bacor Monique Barile Aileen Mercado

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

		Noemi Ramos Jaclyn Uy		
Coconut Project 6	Antonio G. Lalusin, Ph.D.	Mary Ann Abustan Elenita Esguerra Roanne Gardoce Cresencio Managat Reynaldo Quilloy Conсорcia Reaño Francisco Balasta Robert Cabangbang Peter de Leon Virgilio Galang Manolito Marin Mark Anthony Parducho		
Coconut Project 7	Conсорcia E. Reaño, Ph.D.	Alma Canama Rowena Frankie Sancho Nerpio Don Cardona Anand Manohar Raquel Velasco		
Coconut Project 8	Hayde Galvez, Ph.D.	Alma Canama Barbara Caoili Josefina de Ocampo Roanne Gardoce Emma Maligalig Abelardo Palis Marcos Ramos Ma. Luz Sison Cris Cortaga Melvin Dancel Vangelene Linga Edwin Relloso Cris Urriza		
Coffee Project	Ernelea P. Cao, Ph.D.	Carla Besa Angelo Victoria Jonelle Yumul		
5. Program Development Associate(s): n/a				
Period	Name/s	Designation (Rank)	Affiliation	
n/a	n/a	n/a	n/a	
6. Special Committee(s): n/a				
Period	Name/s	Designation (Rank)	Affiliation	
n/a	n/a	n/a	n/a	
7. Office Location: A. Maria Regidor Street, 2F NIMBB, National Science Complex, UP Diliman				
8. Period Covered by this Report:				
9. 2012 – present				

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

<p>10. Brief background, History (antecedents), The R&D programs of the PGC were formed to classify its projects in combining basic and applied research for the development of health diagnostics, therapeutics, DNA forensics and preventive products, and improved crop varieties.</p>
<p>11. About this program:</p> <ul style="list-style-type: none">• Health Program – research focus: Infectious diseases – A (H1N1) flu, multi-drug resistant TB, dengue, malaria as well as non-communicable diseases, i.e. cancer, cardiovascular, diabetes mellitus, etc. The strategic objectives of the Health program are: to identify genetic variations among individuals that can act as biomarkers for increased susceptibility to infectious diseases such as dengue, tuberculosis, malaria as well as non-communicable diseases such as heart disease, diabetes and cancer; discover novel therapeutic targets through a better understanding of molecular mechanisms and disease pathways; and develop personalized medicine for optimum, individualized treatment for every Filipino.• Agriculture/ Livestock/ Fisheries/ Forestry Program – research focus: Micro-organisms, probiotics, microbial-based fertilizers, food safety and other applied microbes, as well as varietal improvement of coconut, abaca, banana, pili and mango. Strategic objectives:<ul style="list-style-type: none">- Discover gene and develop molecular markers for important agronomic characteristics such as disease resistance, delayed ripening, high quality and early detection of sex for the improvement of priority crops.- Develop diagnostic kits with high precision and specificity in identifying disease and genetic diversity of livestock, crops, forest trees, fish and food.- Use genomics for microbial testing, discovery of antimicrobials and enzymes for agro-industrial uses, vaccine development and improvement of crops and animal feeds.- Contribute in the development and advancement of bioinformatics for genomic analysis in the Philippines.• The strategic objective of the Biodiversity program is to study: Taxonomic gene markers to identify species and to document and conserve our biodiversity; Biosynthesis genes to produce bioactive compounds through biotechnology; Growth regulatory and reproductive genes to optimize the growth and culture of the bioactive organisms; Genes and proteins responsible for disease phenotypes in man and pathogens that will be identified as the specific targets of drugs; An array or combination of biosynthetic and disease genes, possible only through genomics, to move forward the new paradigm of combinatorial drug therapy and multiple drug and target therapy; Microbial genes encoding enzymes that are useful for bio-energy and other industrial applications.• Research focus of the Forensics & Ethnicity Program include Genetic variations within and across human, animal, plant and microbial populations for application on forensic and ethnicity studies. Strategic goals: (Forensics) Integration of Genomics in the Medico-legal system, (Ethnicity) Obtain greater appreciation of the distinct cultures and shared histories in the Philippines. <p>a. BOR-approvals, if any (attach copy from UP Gazette as Annex): n/a b. http://www.philippinegenomecenter.org/mission-history</p>
<p>12. Funding: UP System Allocation through an Internal Operating Budget (IOB) and Trust Fund Amount: n/a BOR-approvals, if any: n/a</p>
<p>13. Guidelines/Criteria: n/a Annex or Link</p>
<p>14. Forms: Application, Evaluation/Assessment, Monitoring, Accomplishment Reports</p>

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

Annex or Link n/a						
15. Accomplishments 1: PGC programs/projects http://www.philippinegenomecenter.org/pgc-programs-projects Health: “Lab-in-a-Mug” (BioTek-M Dengue Kit), Influenza Virus Genome Library, Cardiovascular Genomics, Mutations in Colorectal Cancer, and Type 2 Diabetes Genome Association Studies Agriculture: Coconut Genomics, Philippine Shrimp Pathogenomics, Markers for Coffee Pest Resistance, Abaca Functional Genomics, Saba Genomics, Sugarcane Genomics, and Pili DNA Markers Biodiversity: Conus Structural Exogenomics and Microbial Diversity Genomics FnE: Human DNA Forensics and expansion of the Philippine Population Database						
16. Accomplishments 2: Progress/Outputs: List of Approvals per CU, per Discipline/Key Results Area (KRA) Publications http://www.philippinegenomecenter.org/pgc-publications Cycle 1						
CU (Proponent)	Names of Leaders/Position /CU	Title of Program/Project	Duration of Project	Budget	Outputs as of Feb 2017	KRA (include “anti-drug/ anti-criminality//anti-corruption” or DRRM)
Diliman	Dr. Cynthia P. Saloma	Establishment of the Philippine Genome Center DNA Sequencing Core Facility (PGC-DSCF)	3 years	PHP 118,406,078	Services: Next Generation Sequencing, Sanger Sequencing, Nucleic Acid Extraction, Fluorometric-based Quantification, Microchip Electrophoresis	
Diliman	Dr. Arturo O. Lluisma	Establishment of the Philippine Genome Center Core Facility for Bioinformatics	3 years	PHP 29,200,517.00	Services: Direct Access to High Performance, Computing Systems, Storage Services, Custom Bioinformatics Services, Consultancy and Trainings	
Diliman	Dr. Eva Maria Cutiongco-dela Paz	Expansion of the Shared Genomics Core Facility in the Philippines	2 years	PHP 366,319,341.20		
Manila	Dr. Raul V. Destura	Regional Roll-out of BioTek-M™ Dengue Aqua Kit (Liquid Format)	1 year	PHP 8,172,504.00	BioTek-M™ Dengue Aqua Kit (Liquid Format): http://www.philippinegenomecenter.org/lab-in-a-mug	
Manila	Ms. Joy Ann G. Petronio	Product Development of BioTek-M Dengue - Seco Kit (Lyophilized Format)	1 year	PHP 2,695,152.00	BioTek-M Dengue -Seco Kit (Lyophilized Format): http://www.philippinegenomecenter.org/lab-in-a-mug	
Manila	Dr. Regina Berba	Clinial Utility of BioTek-M in the Diagnosis and Serotyping of Dengue	8 months	PHP 4,000,000.00	http://www.philippinegenomecenter.org/lab-in-a-mug	

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

		Virus Infections in the Philippines				
Manila	Dr. Raul V. Destura	Biotek Program	1 year	PHP 10,774,056.00	http://www.philippinegenomecenter.org/lab-in-a-mug	
Manila	Dr. Raul V. Destura	In-House Lamp Diagnostics for Dengue Virus Infections in the Philippines	1 year	PHP 10,398,708.00	http://www.philippinegenomecenter.org/lab-in-a-mug	
Manila	Dr. Edsel Salvana	A Web based Interactive Genome Library	2 years	PHP 19,118,255.00	(1) http://www.philippinegenomecenter.org/influenzagenomelibrary (2) http://iflu.upm.edu.ph/	
Manila	Dr. Eva Maria Cutiongco-dela Paz	CVD 1: Pharmacogenetic Studies on Some Commonly Used Drugs for Hypertension, Dyslipidemia, and Coronary Artery Disease Among Filipinos	3 years	Year1: PHP12,477,668.00 Year2: PHP12,783,161.00 Year 3: PHP15,965,773.00	http://www.philippinegenomecenter.org/cardiovascular-diseases-1	
Manila	Dr. Rody Sy	CVD 2: The Prevalence of Genetic Polymorphisms Associated with the Risk for the Development of Hypertension, Dyslipidemia, and Coronary Artery Disease among Filipinos	3 years	Year1: PHP6,095,884.00 Year2: PHP4,374,167.00 Year 3: PHP8,147,213.00	http://www.philippinegenomecenter.org/cardiovascular-diseases-1	
Manila	Dr. Elizabeth Pacheco	DM1: Evaluation of Candidate Genetic Variations as Pharmacogenetic markers for Commonly Used Oral Hypoglycemic Agents	3 years	PHP5,614,462.73	http://www.philippinegenomecenter.org/t2dm-2	
Manila	Dr. Eva Maria Cutiongco-dela Paz	DM2: Correlation of Candidate Genetic Variations for Susceptibility and Risk Assessment of type-2 Diabetes mellitus and its related Medical Conditions	3 years	Year1: PHP6,816,603.36 Year2: PHP17,257,587	http://www.philippinegenomecenter.org/t2dm-2	
Manila	Dr. Jose Nevado	DM3: Transcriptional Profiling and Pathway Analyses for Complications of type-2 Diabetes mellitus	3 years	Year1: PHP7,025,298.38 Year2: PHP13807442	http://www.philippinegenomecenter.org/t2dm-2	

OVPA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPA-Affiliated Offices

Diliman	Dr. Reynaldo Garcia	Functional Characterization of Novel Mutations in downstream effectors of the EGFR Signaling Pathway among Filipino Colorectal Cancer Patients	2.5 years	Year1: PHP16,931,746.00	http://www.philippinegenomecenter.org/colorectal-cancer	
Manila	Dr. Eva Maria Cutiongco-dela Paz	Mutational Analysis of KRAS, NRAS, PIK3CA, BRAF & PTEN Genes in Filipino Colorectal Cancer Patients	1.5 years	PHP 7,276,947.00	http://www.philippinegenomecenter.org/colorectal-cancer	
Diliman	Dr. Ernelea P. Cao	Genomics Assisted Identification of Molecular Markers for Pest and Disease Resistance, Yield and Aroma in Philippine Specialty Coffee	2 years	PHP 12,162,663.00	http://www.philippinegenomecenter.org/coffee-markers	
Diliman	Dr. Cynthia P. Saloma	The Philippine Shrimp Pathogenomics Program: Development of Diagnostic Tools through Genomics and Establishment of the Philippine Aquatic Pathogen Database resource for the Philippine Aquaculture Industry	2 years	PHP 19,702,582.00	http://www.philippinegenomecenter.org/shrimp-pathogenomics	
Los Baños	Dr. Rita Laude (Program Leader) - Jan14'14 to July 31'15 Dr. Hayde F. Galvez (August 1'15- present)	Program Management and Coordination (PMC)	5 years	PHP 8,518,420.00		
Diliman	Dr. Cynthia P. Saloma	Project 1: Coconut Genome Sequencing: A Resource for Coconut Genetics & Varietal Improvement	3 years	PHP 31,841,329.20	http://www.philippinegenomecenter.org/cocogenomics	
Los Baños	Edward Barlaan (Jan 15'14 - July 31'15) Ian Kendrick H. Fontanilla (Aug 1'15 - present)	Project 2: Biomarker Development & Molecular Mapping for Coconut Genetic and Varietal Improvement	5 years	PHP 29,990,978.50	http://www.philippinegenomecenter.org/cocogenomics	
Los Baños	Dr. Cynthia P. Saloma	Project 3: Gene Expression analysis towards Coconut Genotyping and Varietal Improvement	3 years	PHP 25,194,919.20	http://www.philippinegenomecenter.org/cocogenomics	

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

Los Baños	Dr. Rita Laude (Jan 15'14 - July 31'15) Ma. Genaleen Q. Diaz (Aug 1'15 - present)	Project 4: Gene Expression Analyses for Oil Biosynthesis, Makapuno and Lono Traits	3 years	PHP 14,016,493.20	http://www.philippinegenomecenter.org/cocogenomics
Los Baños	Dr. Antonio C. Laurena	Project 5: Coconut Gene expression in a model Monocot Zea mays L. Proof of Concept of Oil Biosynthesis	3 years	PHP 22,823,465.00	http://www.philippinegenomecenter.org/cocogenomics
Los Baños	Dr. Antonio Lalusin	Project 6: Marker-Assisted Breeding in Coconut Targeting Productivity and Major Industrial Traits	5 years	PHP 25,674,259.30	http://www.philippinegenomecenter.org/cocogenomics
Los Baños	Dr. Consorcia Reaño	Project 7: QTL mapping in Coconut for high Yield and Outstanding Quality of Copra Oil and Other Coconut Major by-products	5 years	PHP 21,134,848.50	http://www.philippinegenomecenter.org/cocogenomics
Los Baños	Dr. Hayde Galvez	Project 8: Development of Web Based Breeding Resource and Eco-tilling Towards Insect Resistance Breeding in Coconut	5 years	PHP 59,518,163.50	http://www.philippinegenomecenter.org/cocogenomics
Los Baños	Proj 1: Antonio C. Laurena Proj 2: Raymond Ramones Proj 3: Rosalyn T. Luzaran	Sugarcane Genomics for Increased Productivity, Profitability, Sustainability and Global Competitiveness of the Philippine Sugar Industry	3 years	Total: 47,585,142.7 (Philsurin & SRA : Php17,298,286.00) (PGC : Php30,286,856.70)	http://www.philippinegenomecenter.org/sugarcane
Los Baños	Roberta N. Engle Garcia	Development of DNA Markers for Genetic Diversity Analysis, Fingerprinting and Sex Determination of Pili (Canarium ovatum)	1 year	PHP 2,400,999.84	http://www.philippinegenomecenter.org/pili
Los Baños	Proj 1: Dr. Merlyn Mendiolo Proj 2: Dr. Eureka Teresa Ocampo	Mutation Breeding of Philippine Saba / Cardaba with Resistance to Bunchy Top Virus Disease and Delayed Ripening Trait	3 years	PHP 6,372,814.00	http://www.philippinegenomecenter.org/saba
Los Baños	Dr. Antonio C Laurena	Abaca Functional Genomics: High Throughput Discovery		PHP 11,930,318.02	http://www.philippinegenomecenter.org/abaca

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

		of Genes and Molecular Markers				
Diliman	Dr. Maria Corazon de Ungria	Expansion of the Philippine Population Database Utilizing DNA Fragment Analysis, Capillary Sequencing and Next Generation sequencing for Forensic Applications	1 year	PHP 19,999,122.00	http://www.philippinegenomecenter.org/phil-pop-database	
Diliman	Dr. Maria Corazon de Ungria	Human DNA Forensics Program	2 years	PHP 25,188,663.00	http://www.philippinegenomecenter.org/human-dna-forensics	
Manila	Dr. Eva Maria Cutiongco-dela Paz	Genomic Researches on Hypertension, Coronary artery Disease and Dyslipidemia towards the development of Individualized Diagnostic and Therapeutic Strategies	1 year	PHP 2,000,000.00	http://www.philippinegenomecenter.org/cardiovascular-diseases-1	
Diliman	Dr. Gisela P. Concepcion / Dr. Arturo O. Lluisma	Genomics Studies on Selected High Value Samples from Philippine Microbial, Marine and Terrestrial Biodiversity	1 year	PHP 2,965,000.00	http://www.philippinegenomecenter.org/microbial-biodiversity	
Los Baños	Dr. Rita P. Laude	Capacity Building in Handling NGS data and Analyses Specific for 1) Molecular marker/ Gene discovery in Large Genomes of several Important agricultural Crops; 2) whole genome Sequencing of the Phytopathogenic Philippine downy Mildew in Corn; 3)Comparative Metagenomics of rumen bacteria in water buffalo & cattle	1 year	PHP 1,265,876.00		
Diliman	Dr. Maria Corazon de Ungria	Reconstruction of Jose Rizal's DNA to Study his Phenotype, Geneology and Genetic Ancestry	2 years	PHP 2,307,595.00		
Diliman	Dr. Cynthia P. Saloma	Capacity Building in Genomics: manpower development in Next Generation DNA sequencing and Large	1 year	PHP 1,640,000.00		

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

		Genomic Data Set Analysis				
Diliman	Dr. Peter Sy	Legal, Regulatory, Ethical and Social Challenges in Genomics	1 year	PHP 1,000,000.00		
Diliman	Dr. Arturo O. Lluisma	Conus Structural Exogenomics Program	1 year	PHP 9,435,376.00	http://www.philippinegenomecenter.org/conus-structural-exogenomics-program	

17. Evaluation/Monitoring Feedback

Website: <http://www.philippinegenomecenter.org/contact>

18. Flowchart (Swimlane format): Indicate in a flowchart the step by step process of the program (example: from the receipt of application to the award of grant) n/a

19. Charts, if any: Use bar graphs for trends and pie charts for distribution. n/a

20. Events hosted, relating to the Program:

PGC webinars: <http://www.philippinegenomecenter.org/list-of-pgc-webinars>

Title	Date	Venue	No. of Participants	Description of Participants
Colloquium on the Legal and Regulatory Challenges in Genomic Research in the Philippines	May 28, 2012	NSRI Conference Room, UP Diliman		Scientists, Researchers, PGC personnel
VAAST: A Probabilistic Disease-gene Finder for Personal Genome Sequences	June 19, 2012	National Institutes of Health		
Colloquium on the Informed Consent in Genomic Research	October 12, 2012	NSRI Conference Room, UP Diliman		Scientists, Researchers, PGC personnel
Disclosure of Disease Risks in Genomic Research	December 10, 2012	College of Dentistry Auditorium, UP Manila	80	Different fields of study and institutions
Genomes to Phenomes to Breeding	February 2013	OVCAA/SEARCA Auditorium		Post grad students, lab technicians, community members
Forensic Science in the Philippines: Status, Challenges and Opportunities	Feb 11, 2014	NSRI Seminar Room, Miranda Hall, UP Diliman		Researchers, students
PGC Scientific Symposium	April 16, 2014	Crowne Plaza Hotel		PGC and affiliates
Biotek™ Dengue Aqua Kit Training Luzon Cluster	June 5-6, 2014	Central Laboratory of the Institute of Molecular Biology and Biotechnology, NIH, UP Manila		
TECO-MECO Dengue Scientific Meeting	June 18, 2014	Crowne Plaza Hotel		Researchers from academe and government institutions with projects involving Dengue
Biotek™ Dengue Aqua Kit Training NCR Cluster	Sep 2-3, 2014	Centennial Conference Room,		Medical Technologists

OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

		NIH, University of the Philippines Manila		
Introduction to Phylogenetics and Genomics	Dec 8-9, 2014	UP Cebu	16	Life scientists and instructors from the University of the Philippines, Cebu
The Next Generation/The Now Generation Forensic Science Symposium	April 7, 2015	Institute of Biology Auditorium, UP Diliman		Students, Phil. Law enforcement agencies personnel, lawyers, and NGO
Hands On Training for DNA Forensic Scientists	April 8-10, 2015	Institute of Biology Auditorium, UP Diliman		UPD DNA Analysis laboratory, NBI and PNP personnel
Regional Roll-Out of Biotek-M™ Dengue Aqua Kit (Liquid Format)	June 7-25	Mindanao (Davao, GenSan, CDO, Butuan) Visayas (Cebu, Bacolod, Dumaguete) Pampanga, Olongapo, La Union, Ilocos Norte, Cagayan Valley, Nueva Vizcaya		Medical Technologists
Informatics in Biomedical Research & Health: An ELSI View of Challenges and Prospects	Oct 9, 2015	NIMBB, UP Diliman		Researchers
The recent progress of FANTOM omics, and its applications to health care	May 4, 2016	NIMBB, UP Diliman	34	Faculty, students, research associates, Principal Investigators
Genome Assembly, Annotation, & Variant Calling Training & Workshop	May 5-6, 2016	CSRC, UP Diliman	33	Students and researchers (biologists, computer scientists, statisticians)
3 Forensic Science Symposium: DNA as a Catalyst for Change	May 16-17, 2016	SEAMEO InnoTech, Diliman, Quezon City	102	Students, researchers, Forensic experts, scientists, etc.
Workshop on Virus-Host Immune System Modeling	July 30-31, 2016	Ridgewood Hotel, Baguio	22	Principal Investigators, researchers
Trends in Marine Genomics Workshop	Sept 3-4, 2016	Bolinao Marine Laboratory, Pangasinan	33	Principal Investigators, researchers
Chronobiology and Genomics Seminar	September 23, 2016	NIMBB, UP Diliman	30	Students, researchers, PGC staff, faculty
Biocode: The New Age of Genomics Seminar	October 14, 2016	NIMBB, UP Diliman	30	Students, researchers, PGC staff, faculty
Forest Canopy Genomics Workshop	November 19, 2016	Mt. Makiling Botanic Gardens, UPLB	21	Principal Investigators, researchers
Imagining a Future with Synthetic Biology: Towards the Engineering Microbial Cell Factories Seminar	December 13, 2016	NIMBB, UP Diliman	20	Students, researchers, PGC staff, faculty
21. PGC Web link: www.philippinegenomecenter.org				

OVPAA Report Form 17.0
End of Term Report (Feb 2011-Feb 2017)
OVPAA-Affiliated Offices

FB page: www.facebook.com/phgenome

22. Pictures with Captions:

- a. Dr. Raul Destura with the first version of the Lab-in-a-Mug (July 19, 2011)



- b. The “Lab-in-a-Mug” Project includes eleven diagnostic kits in the pipeline as well as the “Lab in a Mug” unit. (New design of the Biotek-M Dengue Kit)



- c. The Philippine Influenza Database an Interactive Web-Based Database for Detection, Characterization, and Drug-Resistance Surveillance of Influenza Viruses in a Developing Country.

(<http://iflu.upm.edu.ph/>)



OVPAA Report Form 17.0

End of Term Report (Feb 2011-Feb 2017)

OVPAA-Affiliated Offices

d. Launch of the PGC Agriculture Program (October 20, 2011).



e. Pending Matters, Recommendations and Future Directions, Acknowledgements:

21. Prepared by:

Name:

Designation:

Date: