

# Annual Report 2014

A large, dark silhouette of a person's head in profile, facing right. The interior of the head is filled with a detailed, high-angle view of a dense urban skyline, with numerous skyscrapers and buildings. The background of the entire image is a hazy, light blue cityscape.

**PCHRD:  
GOING FOR CONVERGENCE,  
ACROSS SECTORS,  
BEYOND NATIONAL BOUNDARIES**



# PCHRD Annual Report 2014

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## THE COUNCIL

The Philippine Council for Health Research and Development (PCHRD) is one of the three sectoral councils of the Department of Science and Technology (DOST). It is a forward-looking, partnership - based national body responsible for coordinating and monitoring research activities in the country. Since its founding on 17 March 1982, through the Executive Order No. 784, PCHRD has brought technical excellence with a soul into fulfilling its mandate.

The primordial source of health research leadership and direction in the country, PCHRD resolves to foster healthier and more productive lives among the Filipinos through health research and development (R&D).



Photo by: Jake Blind | Images | gettyimages

## VISION

A healthy Filipino nation that benefits from research-based solutions and innovations.

## MISSION

As the national coordinating body for health research, we provide central direction, leadership and coordination of health S&T. To achieve this, we are committed to:

- Formulate agenda, plans, policies, and strategies for health science and technology development
- Mobilize resources to support health S&T development
- Develop and strengthen capacity for health research
- Support the development of affordable, accessible, and quality S&T-based solutions and innovations
- Ensure the dissemination and utilization of health research outputs
- Monitor and evaluate health S&T activities
- Establish linkages and partnerships with local and international organizations
- Advocate an ethical health research culture



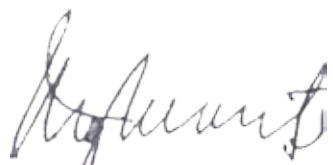


**T**he Philippine Council for Health Research and Development (PCHRD), as it celebrated its 32nd Anniversary and the 8th Philippine National Health Research System (PNHRS) Week, underscored how health research and innovation can address cross-cutting issues which affect peoples' health during disasters and health emergencies, especially in the light of the country's experience in the super typhoon Yolanda (Haiyan). Truly, health is a concern of all sectors of a society, hence, the need for a multidisciplinary approach to health research cannot be overemphasized.

ICT in Health or eHealth is another area of convergence. In the First eHealth Summit in February 2014, the Department of Health, Department of Science and Technology and Philippine Health Insurance Corporation (PhilHealth) rolled out the Philippine eHealth Plan, which contained, among others, the setting up of the Philippine Health Information Exchange (PHIE) that will enable data exchange and interoperability of eHealth systems in different health facilities. The PHIE will make health monitoring and reporting more efficient and, thus, ensure that valuable resources are optimized.

Science and technology transcends geographical barriers, and especially so today with the power of information and communication technology, the world is getting smaller. As a necessity, we need to strengthen our linkages with our neighbors in ASEAN and the world. The Council is ready. With the DOH and PNHRS partners, PCHRD is preparing to host the Global Forum on Research and Innovation for Health in 2015. The Council also successfully hosted the 14th Forum for Ethical Review Committees in the Asian and Western Pacific Region (FERCAP) International Conference. The impact of research and innovation goes beyond the transformative effects on health outcomes and increase efficiency of the health system. Research and innovation aim to benefit every Juan(a); to give people hope, for inclusive growth, for poverty alleviation. I am confident that the Council would remain steadfast to these goals and will continue to strive for excellence in health research as its contribution to societal goals. Let us continue to support their work.

Mabuhay!



**MARIO G. MONTEJO**

## MESSAGE OF THE SECRETARY



**I**n 2014, PCHRD strengthened its ties and established new connections with various stakeholders of the PNHRS.

We commend the Central Visayas Consortium for Health Research and Development (CVCHRD) which exceeded our expectations, setting a new standard for organizing the PNHRS Week annual celebration.

Our partnership with the Department of Health, starting with the Health Systems Research Management System (HSRM) extended to a new collaboration with the Philippine Institute of Traditional and Alternative Health Care (PITAHAC) in the field of traditional and alternative healthcare.


Under the Council's Drug Discovery and Development Program, we identified additional three Tuklas Lunas Development Centers (TLDCs) from Luzon, Visayas and Mindanao. Now, we have nine TLDCs in the country.

Our international collaborations, among others, led to a successful hosting of the 14th Forum for Ethical Review Committees in the Asian and Western Pacific Region (FERCAP) International Conference and 1st Philippine Health Research Ethics Board (PHREB) National Conferenc. Next year, we will host the Global Forum on Research and Innovation for Health 2015. These events position the country, and PCHRD, as an able research and event collaborator.

Above all, we do not lose sight of continually improving our performance and strengthening our connections with the target beneficiaries by delivering research services that make a difference in our peoples' lives.

I thank all the men and women of the Council who consistently align their efforts with the goals of PCHRD. Among others, they all worked to maintain our ISO certification, exemplifying our continuing compliance with the world's standards on quality management systems.

Mabuhay ang PCHRD!



**JAIME C. MONTOYA, MD, MSc, PhD, CESO III**



## MESSAGE OF THE EXECUTIVE DIRECTOR



# PREPARING FOR THE GLOBAL FORUM ON RESEARCH AND INNOVATION FOR HEALTH 2015

## PCHRD-DOST, COHRED SIGN AGREEMENT TO HOST GLOBAL FORUM 2015 IN MANILA

Secretary Mario G. Montejo of the Department of Science and Technology (DOST) and Prof. Carel Ijsselmuiden of Council on Health Research for Development (COHRED) signed the agreement to host the Global Forum on Research and Innovation for Health 2015 in Manila on 14 March 2014 during the 32nd Anniversary of the Philippine Council for Health Research and Development (PCHRD) at Makati-Shangri-La Hotel, Makati City.

The DOST, through the PCHRD together with the Department of Health (DOH), and COHRED, an international non-profit organization based in Geneva, Switzerland, will be hosting the Forum to bring together local and international relations and expertise in research and innovation for health.



A record breaker, the Joint 14th Forum for Ethical Review Committees in the Asian and Western Pacific Region (FERCAP) Annual International Conference and 1st Philippine Health Research Ethics Board (PHREB) National Conference registered the highest attendance since the conception of the international conference in 2001. 900 participants came to the conference.

Providing the platform for stakeholders in international and local health research sectors to discuss the leading concepts, best practices, initiatives, and successful models of ethical infrastructures in national health research systems, the Joint Conferences was organized under the theme, *“Embedding Ethics in National Health Research Systems,”* on 23 – 26 November 2014 at the Taal Vista Hotel, Tagaytay City.

Highlighted in the conferences were: 1) importance of standard procedures and

## JOINT 14TH FERCAP ANNUAL INTERNATIONAL CONFERENCE AND 1ST PHREB NATIONAL CONFERENCE

continuing review of ongoing trials, 2) systems approach in addressing ethical issues in health research, 3) building strategic partnerships towards ethical research, 4) addressing ethical issues in research; and 5) Revision of the Council for International Organizations of Medical Sciences (CIOMS) Ethical Guidelines for Biomedical Research.

The joint 14th FERCAP International Conference and 1st PHREB National Conference was hosted by PCHRD and PHREB in cooperation with the DOH, UPM-NIH, and CHED.



Bannered by the theme, *“People at the Center of Health Research and Innovation,”* Forum 2015 will stimulate discussion and help define new objectives and strategies to improve health, equity and development.



## PNHRS LAW:

# TRANSLATING POLICY TO STRATEGY

**W**ith the passage of Republic Act No. 10532 or the Philippine National Health Research System (PNHRS) Act of 2013 and the promulgation of its Implementing Rules and Regulations, the PNHRS Implementing Agencies and Technical Working Committees (TWCs) came up with a PNHRS Strategic Plan that sets the directions for health research in the next five years. The document was a result of a PNHRS Convergence Planning held July 31 to August 2, 2014 and the pre-and post-planning sessions.

Using a balanced scorecard, a Strategy Map was drawn to provide a visual framework for integrating the System's objectives in the five perspectives, namely: 1) stakeholders; 2) process excellence; 3) governance; 4) learning and growth; and 5) financial.

The Development Academy of the Philippines (DAP), the planning facilitator, recommended the following actions:

- Identify a permanent focal person/staff coordinating and managing the PNHRS programs, projects, and activities in each implementing institution;
- Pursue the PNHRS common fund contributions by the agencies and institutions involved in the System;
- Institutionalize the submission of yearly program workplan of the agency/institution contributing to the PNHRS Strategic Plan;
- Develop a comprehensive Capacity Building Plan and Program for the PNHRS committees, focal person/staff and secretariat; and
- Strengthen PNHRS monitoring and evaluation systems.

*The PNHRS Strategic Plan sets the directions for health research in the next five years*

## PNHRS VISION

A dynamic and responsive health research community working for the attainment of national and global health goals

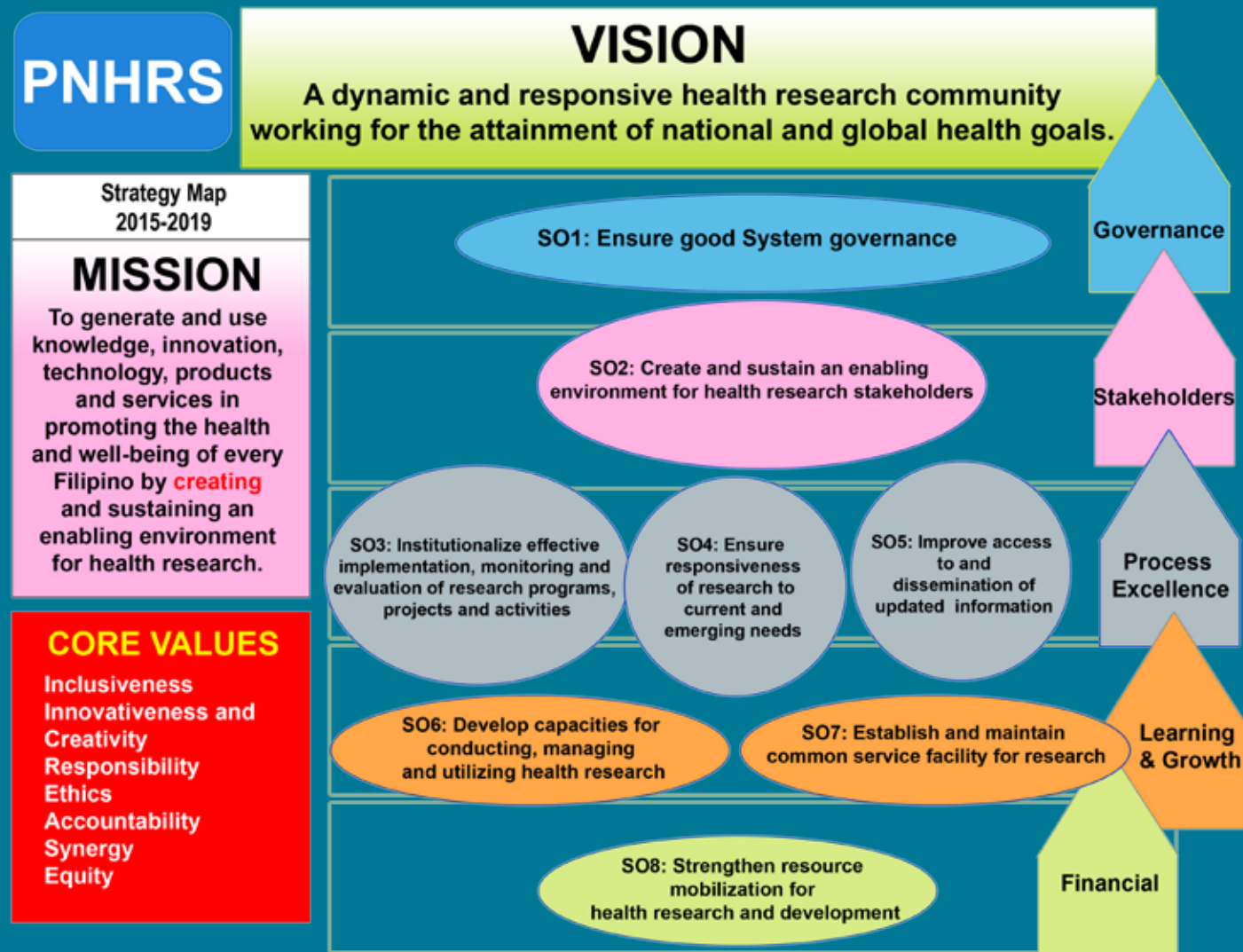
## PNHRS MISSION

To generate and use knowledge, innovation, technology, products and services in promoting the health and well-being of every Filipino by creating and sustaining an enabling environment for health research

**Inclusiveness**  
**In**novativeness and  
**C**reativity  
**R**esponsibility  
**E**thics  
**A**ccountability  
**S**ynergy  
**E**quity

## PNHRS CORE VALUES

# PNHRS STRATEGY MAP



## DOH-HEALTH SYSTEMS RESEARCH MANAGEMENT (HSRM) PROGRAM

On its third year, the DOST-DOH partnership continued. PCHRD managed the DOH's Health Systems Research Management (HSRM) Program. Of the 50 research projects approved for funding in 2013, 12 were completed in 2014. Thirteen health policy papers were also completed.

Under the capacity building program, 10 Health Policy Associates, 10 Junior Policy Interns and 10 Senior Policy Interns trained under the mentorship of the UPM-NIH from September 2013 -June 2014. 23 completed the internship program and were given recognition during their graduation on 30 July 2014. Training of CHDs and regional hospitals were undertaken, among others, on research management and research agenda setting.

The 15th National Health Research Forum for Action was co-organized at the Manila Marriott Hotel in Pasay City on 22-24 October 2014, with the theme, *"Bridging Theory and Practice to Achieve KalusuganPangkalahatan (KP)."*





# PNHRS 8<sup>TH</sup> WEEK

CELEBRATION HIGHLIGHTS RESEARCH & INNOVATION IN  
HEALTH FOR DISASTER AND EMERGENCY MANAGEMENT

12-14 August 2014  
Radisson Blu Hotel, Cebu City



With the Central Visayas Consortium for Health Research and Development (CVCHRD) at the helm, the 8th Philippine National Health Research System (PNHRS) Week celebration became another successful gathering of the health research community on 12-14 August 2014 at the Radisson Blu Hotel, Cebu City.

Themed, *“Research and Innovation in Health Disaster and Emergency Management,”* the event engaged more than 600 health and health

research champions and stakeholders from the 17 regions of the country.

The celebration focused on the role of health research in disaster and emergency management. As many factors contribute to health outcomes in emergencies and disasters, all plenary and parallel sessions revolved around the key areas, namely: science for disaster preparedness and actions, use of information and communication technology and tools and policies, coordinating mechanisms for service delivery, and role of social media.



## IMPORTANCE OF HEALTH RESEARCH IN DISASTER AND EMERGENCY MANAGEMENT



*Healthcare professionals and researchers can help draft action plans to identify and raise awareness on health problems affecting the typhoon victims and come up with solutions.*

The keynote address of Sec. Panfilo Lacson, Presidential Assistant for Rehabilitation and Recovery, highlighted the importance of health research in the development of evidenced-based action plans to make the Philippines effective in responding and dealing with health emergencies.

As a decision maker, Sec. Lacson affirmed that approaches to disaster risk reduction must be deeply rooted in science in order to achieve appropriate solutions and better optimized the resources. He called for accelerated decision-making process through improved dialogue between scientists and policymakers.

Sec. Lacson also encouraged researchers, policymakers and stakeholders to continue supporting health research initiatives to help address health concerns in times of disasters. He said, *“Healthcare professionals and researchers can help draft action plans to identify and raise awareness on health problems affecting the typhoon victims and come up with solutions.”*



## DISASTER RISK REDUCTION AND THE ROLE OF SCIENCE

In the special presentation of Prof. Virginia Murray, Vice Chair of the United Nations International Strategy for Disaster Reduction Science and Technology Advisory Group, the integration of science to the Post-2015 Hyogo Framework for Action (HFA), blueprint for global disaster risk reduction, was discussed. According to Prof. Murray, incorporating science to such big undertaking requires evidences that science can identify problems, develop understanding, inform policy and practice and can make a difference. She stressed, *“Science should demonstrate that it can inform policy into practice by using a problem solving approach*

*to research that integrates all hazards and disciplines and promote knowledge into action. There should be clear definition on the role of science, science that includes all health sciences, all social sciences, all engineering sciences, among others.”*

Prof. Murray also explained that for science to have a central role in the disaster risk reduction program, product of scientific research must be useful and usable for the policymakers. She said, *“The whole process of science must be more pragmatic, much more reflective on what needs to be used. We need to ensure that communicating complex scientific information will help policymakers make better decisions.”*



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## BIG DATA AS SURVEILLANCE TOOLS DURING EMERGENCIES AND DISASTERS

Ms. Maria Ressa, CEO of Rappler, led the discussion on how powerful the social media in engaging and moving people to act especially during times of crises. She introduced Project Agos, a collaborative platform that combines top-down government action with bottom-up civic engagement to help communities learn about climate change adaptation and disaster risk reduction. The project uses technology and social media to ensure significant information flows to those who need it before, during, and after a disaster.

Ms. Ressa explained, *"The vision of Agos is to use the wisdom of the crowds – to do crowd sourcing and combine it with top-down government workflows, with the first responders, collaborate and research. We need research to get the insight out of the big data and use it to help us cope with the days ahead."*

Other significant activities during the celebration include the Student and Professional Research Competition, National Assessment of Health Research Capacity presentation of initial results, Workshop on Organizing Response to Emergency and Health Care Delivery and a lecture on How to Get Your Research Published.

### FIRST PLACE (P10,000)

Not All Taua-tauas Are Alike: A Morphological, Molecular, Genetic, Phytochemical and Anti-thrombocytopenic Profiling of Different *Euphorbia hirta* Linn. Plants from the Philippines"

Sheriah Laine M. de Paz , Angelo Augusto Sumalde, Criselda Jean Cruz, Joyce Ann Robles, Emma Pajarillo, Perlita Apelado, Ralph Julius Bawalan  
University of the Philippines Manila

### SECOND PLACE (P7,000)

"Nephroprotective Effects of Cogon (*Imperata cylindrica*) Root Aqueous Extract on Sprague-Dawley Rats with Gentamicin-Induced Acute Kidney Injury"  
Jonnel Poblete  
University of the Philippines Manila

### 8TH PNHRs STUDENT ORAL RESEARCH COMPETITION (UNDERGRADUATE) CATEGORY

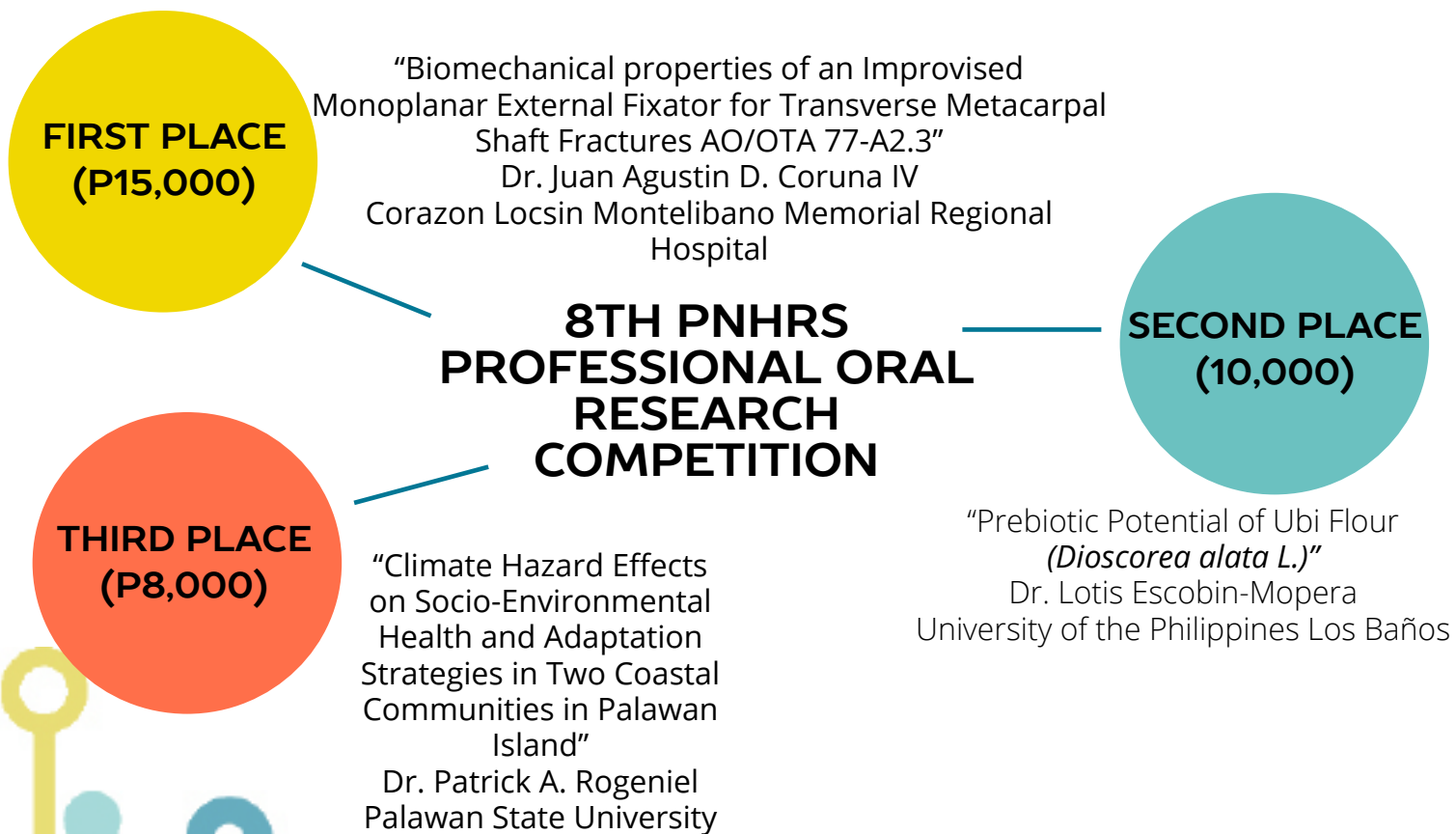
"Anti-developmental Effects of *Callistemon viminalis* (Weeping Bottlebrush) Leaf Extract on the Early Development of *Tripneustes gratilla* L. (Sea Urchin) Embryos"

Geraldine P. Cercado, Kevin Fritz Arnaiz , Angela Ivy Dy, Noel Filipinas , Ghanshyam Joshi, Mia Coleen Lao, Raymond Moscoso, Daryl Bess Pasco, Fritz Gerard Quirante, Raiza Mae Rodriguez, Rachelle Marie Sy  
Cebu Institute of Medicine

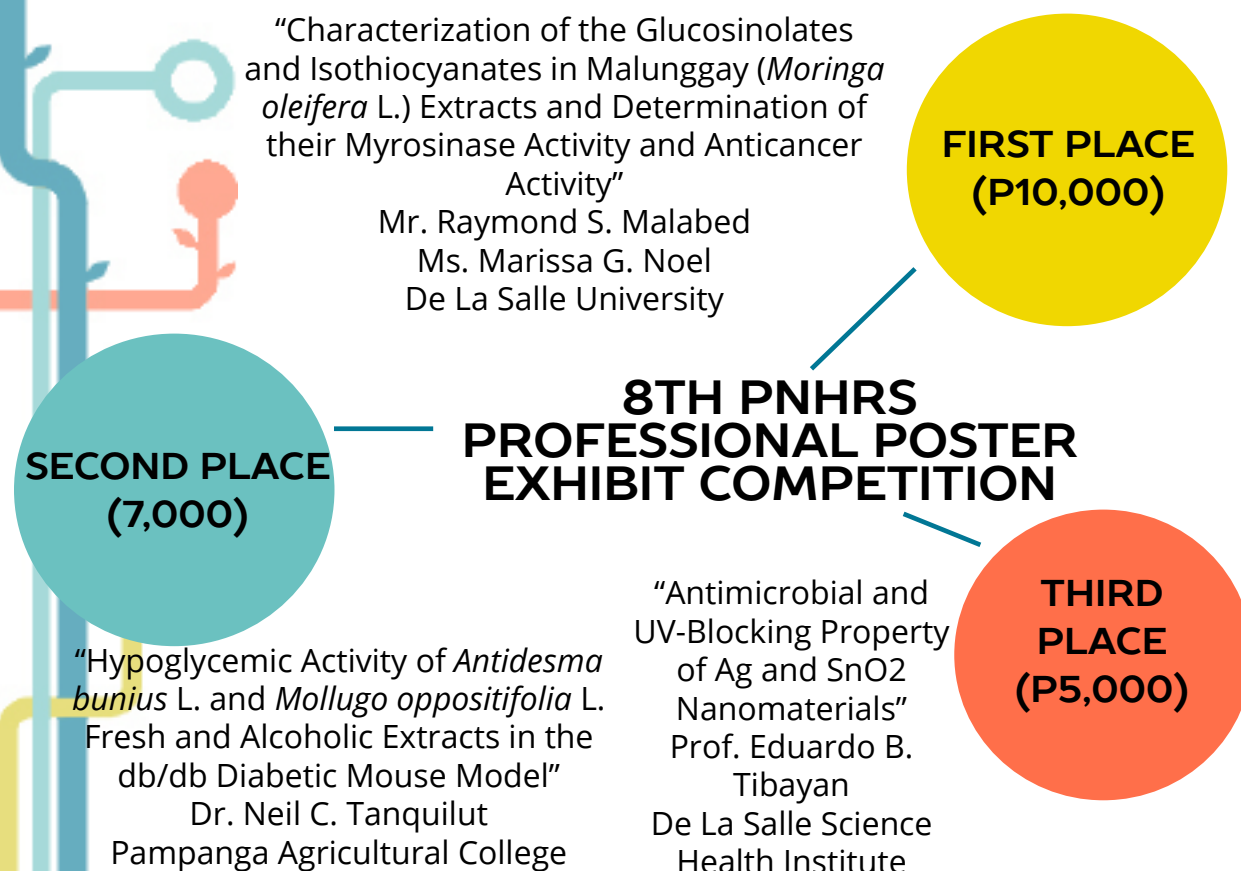
### THIRD PLACE (P5,000)

## WINNERS AND AWARDS





## WINNERS AND AWARDS



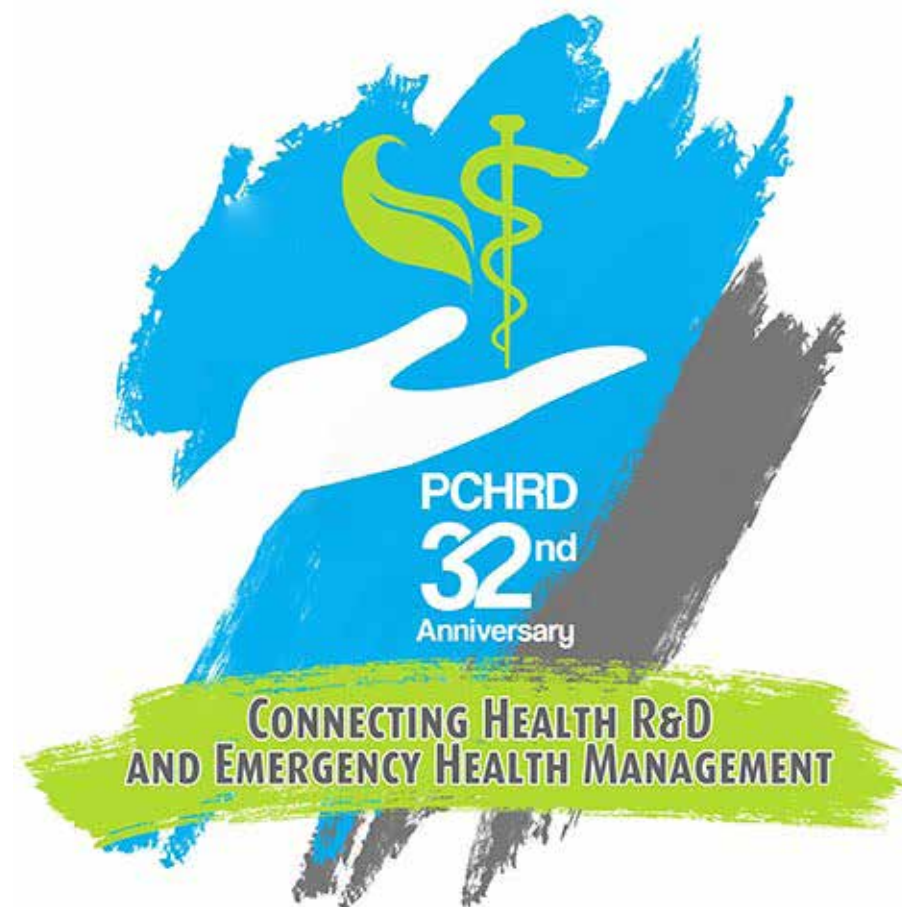
**SPECIAL AWARD - CONSORTIUM DATABASE AWARD (P15,000)**  
 Cebu Doctors' University

**CERTIFICATE OF ACCREDITATION LEVEL III**  
 Davao Doctors' Institutional Ethics Review Board

**8TH PNHRs CONSORTIUM EXHIBIT AWARD (P10,000)**  
 CARAGA Health Research Development Consortium

**SPECIAL AWARD - CONSORTIUM WEBSITE AWARD (P15,000)**  
 Region 11 Health Research Development Consortium  
 Website: <http://region11.healthresearch.ph>

## PCHRD @ 32: RESEARCH AND INNOVATION IN DISASTER AND EMERGENCY HEALTH MANAGEMENT



*"Come up with researches that provide evidence of the benefits in investing in disaster risk reduction. This evidence is important to influence the development of policies at the highest levels of the government."*

*-Albay Governor Joey Salceda*

### SCIENCE-BASED SOLUTIONS IN A LOCAL CHIEF EXECUTIVE'S TOOLKIT

Keynote speaker Governor Jose Clemente Salceda of Albay exemplified how he, as a local chief executive, adopted science-based solutions for his province's disaster risk reduction activities. He emphasized that Albay's resilience against disasters comes from efficient programs that are anchored on science or knowledge derived from research and practice.

*"The record of Albay lies in the consistency and cohesion of good governance, socially desirable and desirably ambitious goals for human development, innovations in programs and projects both in social and economic dimensions of development, productivity in resource utilization and allocation, and verifiable milestones in achievement of goals especially early achievement of the Millennium Development Goals, participatory planning and execution," he said.*



### PCHRD PROJECTS SHOWCASED DURING PCHRD'S 32ND ANNIVERSARY

#### BEYOND IDENTIFICATION: DNA & SOCIETY

- The Potential Contribution of DNA Technology in the Efforts Towards National Recovery After a Disaster (Dr. Maria Corazon A. De Ungria, Natural Sciences Research Institute, UP Diliman)
- Disaster Victim Identification and Supertyphoon Yolanda's Dead (Dr. Raquel Fortun, UP Manila)

#### CHANGING CLIMATE, CHANGING HEALTH OUTCOMES

- Impact of Weather on Dengue Viruses in *Aedes aegypti* Mosquitos in Selected Sites in Cebu City, Philippines (Dr. Frances E. Edillo, University of San Carlos)
- Indoor Environments, Climate Change and Health: Current Events, Issues and Research Opportunities in the Philippines (Dr. Emmanuel S. Baja, UP Manila)

#### DEMENTIA & HIV: RESPONDING TO A CHANGING EPIDEMIOLOGY

- HIV Infection in Special Population: Managing an Emerging Disaster (Dr. Esdel Maurice T. Salvaña, UP Manila – National Institutes of Health)
- Responding to an Aging Population: Focus on Dementia Care (Dr. Shelley Ann De la Vega, Prof. Cynthia Cordero, UP Manila)





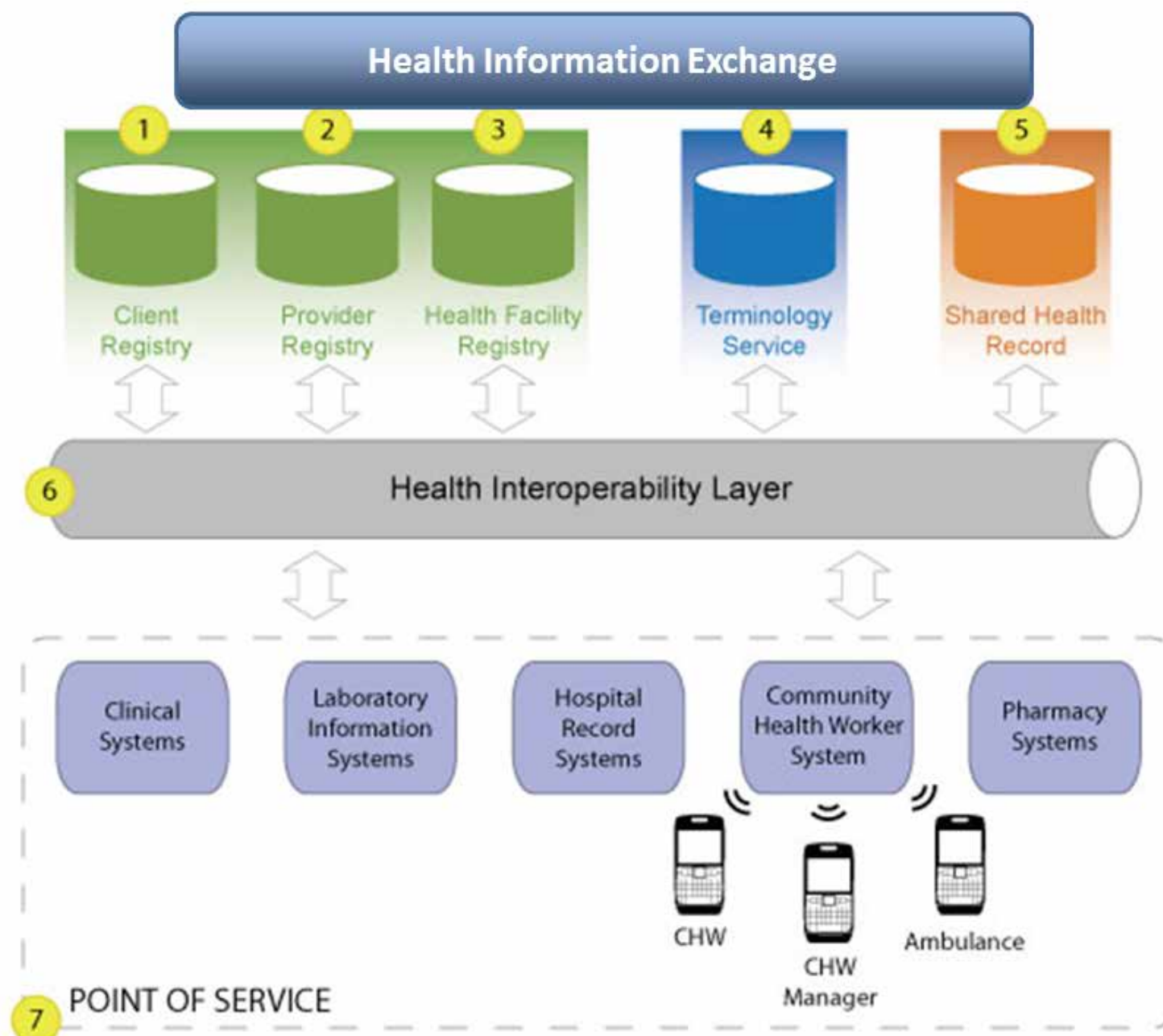
## EHEALTH INNOVATIONS FOR UNIVERSAL HEALTH CARE

On 4 February 2014, the DOST, through the PCHRD, and the Department of Health sponsored the 1st Philippine eHealth Summit, with the theme, *“eHealth Innovations for Universal Health Care (UHC).”* DOH Undersecretary Teodoro J. Herbosa presented the Philippine eHealth Strategic Framework and Plan, the country’s roadmap on how to use ICT for health. Three parallel sessions tackled different eHealth applications and developments.

The Summit featured an eHealth Marketplace that served as the platform for all stakeholders to showcase their technologies and provide channel for each to forge collaborations in developing innovative eHealth solutions for current and emerging health concerns.



Taking centerstage at the MarketPlace, Sec. Montejo demonstrated the successful use of TV white space technology in Telehealth by holding a live Manila to Samar video conference using the RxBox.



### PHILIPPINE HEALTH INFORMATION EXCHANGE (PHIE), STANDARDS, AND DATA PRIVACY

The Summit presented the development of the Philippine Health Information Exchange (PHIE) to facilitate secured sharing of health records from different registries across different health care settings.

The working groups on Standards and Data Privacy came up with guidelines which will be used in the operation of the PHIE. Stakeholders were invited to comment on these documents through a series of consultations.



# WINNERS OF EHEALTH SUMMIT POSTER EXHIBIT

## STUDENT CATEGORY

### First Prize Winner P10,000.00

iXray, A Machine Learning-Based Digital Radiograph Pattern Recognition System for Lung Pathology Detection  
 Ria Rodetter G. De La Cruz  
 Trizia Roby Ann C. Roque  
 John Daryl G. Rosas,  
 Charles Vincent M. Vera Cruz  
 Macario O. Cordel II  
 Joel P. Ilao  
 De La Salle University Manila

### Second Prize Winner P7,000.00

A Simple Lung Enhancement for Automatic Identification of Lung Pathologies  
 Cadwaller C. Chua  
 Kevin Lloyd D. Cocuaco  
 Alexis Jamie R. Lao  
 Eldridge Sherwin S. Tan  
 Macario O Codel II  
 Joel P. Ilao, and Adrian Paul J. Rabe  
 De La Salle University Manila

### Third Prize P5,000.00

Weighing Scale Integrated with Automated Body Weight Management System through Knowledge Base  
 Glocerine Anne T. Carmelo  
 James Kevin R. De Jesus  
 Adamson University

## PROFESSIONAL CATEGORY

### First Prize Winner P10,000.00

The ActaMedicaPhilippina Online: A Dynamic Showcase for Philippine Research  
 Dr. Jose Ma. Avila  
 University of the Philippines Manila

### Second Prize Winner P7,000.00

Free Software to Computerize the Prescriptions, Admitting Orders and Patient Records: Say Goodbye to the “Kahig ng Manok” Hand Writing of Doctors  
 Dr. Richard Mata  
 Panabo Polymedic Hospital, Davao City

### Third Prize P5,000.00

Heartbeat, Blood Pressure, and Temperature Wireless Monitoring System  
 Mary Regina Apsay  
 Our Lady of Fatima University



# FIRST REGIONAL EHEALTH FORUM



A regional version of the eHealth Summit was held, the 1st Regional eHealth Forum, last 28 August 2014 at the Marco Polo, Davao City. The Forum strongly recommended the establishment of standards to integrate systems that are already being utilized. More involvement of the LGU and the private sector was underlined as key strategy to encourage development of ICT-based solutions and applications in support of the eHealth Program.





## 1ST LUMAD SUMMIT: SUSTAINABLE HEALTH AND RESEARCH ENGAGEMENT



Under the theme, *"Sustainable Health and Research Engagement (SHARE),"* PCHRD highlighted the vast knowledge on health and traditional healing practices of the Lumads and advocated for the protection of the indigenous people's (IP) health rights during the Health of Lumad Summit on 19 – 20 November 2014 in Davao City.

The two-day Summit facilitated discussions and workshops on the multiple dimensions of health as experienced by the indigenous people in Mindanao.

Citing poor access to social and health services as major health concerns, experts recommended training the traditional healers to add to much needed human resource in the delivery of much needed services in remote communities. Operation research on the integration of IP policies into health care delivery system was also mentioned as key to prioritize the health needs of cultural communities in policy development.

Vis-à-vis the growing initiatives to harness traditional knowledge for research, the Summit pinpointed the growing vulnerability of indigenous groups to deception, exploitation, and environmental destruction. Experts emphasized on the need for strategic actions to protect the rights of indigenous people to their cultural heritage. Encouraging indigenous groups to actively engage in research was recommended. Ethics in doing research with the community was highlighted.

The Summit was organized by the six Health Research Consortia in Mindanao in cooperation with DOST-PCHRD and the Philippine Institute of Traditional and Alternative Health Care (PITAHC) and was attended by more than 300 delegates from leaders of the indigenous people communities, representatives of provincial and municipal health offices, medical students, officers from NGOs and LGU's.







## MANAGING RESEARCH AND INNOVATION



Come up with researches that provide evidence of the benefits in investing in disaster risk reduction. This evidence is important to influence the development of policies at the highest levels of the government.

-Albay Governor Joey Salceda





# NATIONAL UNIFIED HEALTH RESEARCH AGENDA

Under the National Unified Health Research Agenda (NUHRA), PCHRD supports research projects implemented by a network of institutions to generate knowledge and technologies needed for health development.

Crafted to serve as the country’s template for health R&D efforts, NUHRA priorities from 2011 to 2016 include:

- Health Technology Development
- Health Financing
- Health Service Delivery
- Socio-environmental Health Concerns

In line with the NUHRA, 35 new projects were approved while 11 projects were completed in

Distribution of R&D Projects by Type and Status, 2014			
Project Status	Project Type		Total
	Assisted	Monitored	
Completed Projects	5	7	12
New Projects	34	1	35
Ongoing Projects	60	15	75

DOST and PCHRD were able to fund a total of 7 projects in Diagnostics, 6 in Dengue, 20 in Genomics/Molecular Technology, 58 in Drug Discovery and Development, 4 in Functional Foods, 4 in Hospital Equipment and Biomedical Devices, 7 in Information and Communication Technology for Health and 15 in other priority areas.

Distribution of R&D Projects by NUHRA’s Health Technology Development Priorities, 2014 (New and Ongoing)			
Health Technology Development	DOST	PCHRD	Total
Diagnostics	4	3	7
Dengue	1	5	6
Genomics/Molecular Technology/topics	3	17	20
Drug Discovery and Development	6	52	58
Functional Foods	1	3	4
Hospital Equipment and Biomedical Devices	1	3	4
Information and Communication Technology for Health		7	7
Other Priority Areas	1	14	15
TOTAL	17	104	121



# COMPLETED PROJECTS

## THE USEFULNESS OF MODS ASSAY IN A LEVEL II MYCOBACTERIOLOGY LABORATORY IN PHILIPPINE SETTING

The two-year study aims to establish the diagnostic efficiency of the Microscopic Observation Drug Susceptibility (MODS) Assay Method for detection of tuberculosis (TB) and Multiple Drug Resistance-Tuberculosis (MDR-TB) in sputum samples.

The performance of the MODS Assay method was compared with the standard Lowenstein-Jensen (LJ) method which used an egg-based solid culture medium and liquid MB BacT which applied an automated culture system.

Results showed a significant advantage in the performance of MODS Assay over the LJ Method and the liquid MB BacT culture system. Previous international studies also reported the effectiveness of the method in detecting resistance of MDR-TB against drugs like rifampicin and isoniazid.

The adaptation of the MODS Assay is highly encouraged due to its fast and accurate result delivery and cost efficiency which will be useful for the control of TB in the Philippines.

## Identification of Prevalent Serovars of Leptospirosis in the Philippines

This study aimed to identify the prevalent *Leptospira* serovars that infect humans and animals in the Philippines.

The study identified the prevalence of *Leptospira* serovars, a taxonomic subdivision of bacteria and viruses, among patients, high risk groups and animals from August 2010 to February 2012.

Results showed that serovar *patoc* was found to be the most frequently occurring serovar in humans. Twenty-seven out of 1,353 patients were culture-positive, with one patient being positive for both blood and urine cultures.

Moreover, there were different prevalent serovars for each type of animal. Serovar *tarassovi* was found to be prevalent among cows and water buffaloes, *poi* for pigs, *copenhageni* for rats, and *manilae* among dogs. Seven out of 51 rat samples were culture-positive with 4 being positive for both urine and kidney cultures. MAT results from the human and animal sera showed high antibody positivity against serovars.

Further studies characterizing *Leptospira* serovars in the Philippines were suggested to better understand and address the problem of leptospirosis in the country.

## DEVELOPMENT OF QOL-APO: A MEASURE OF QUALITY OF LIFE AMONG THE FILIPINO ELDERLY FROM THE PERSPECTIVES OF THE ELDERLY, FAMILY MEMBERS AND HEALTHCARE PROVIDERS

The study aimed to develop the QOL-APO, a novel and culturally sensitive assessment tool to measure the QOL of Filipino elderly who have no dementia, and to compare its psychometric properties to globally accepted tests and measurement standards and procedures already in used.

The QOL-APO is developed to reflect elderly people's experiences, values, and aspirations in their own language and assess the participants' QOL based on the six domains including social relations, psychological, resources, autonomy, health, and beliefs.

Data were gathered by interviewing 30 senior citizens, 30 family members, and six health care providers. The elderly participants were cognitively normal, community dwelling elderly members of the Marikina Senior Citizens and their family members. The healthcare providers were those who had been able to attend to the medical needs of the elderly subjects. All interviews were recorded and transcribed.

A multi-source study, researchers examined and compared results taken from elderly people versus the data gathered from family members and health care providers to assess accuracy of the assessment tool.

The study was conducted in three stages, which are, in sequence; a) ethnography for qualitative data gathering, b) tests construction for qualitative analysis, and (c) validation for quantitative analysis.

Research results confirmed effectiveness of QOL-APO in measuring the QOL of elderly people in the Philippines. However, principal component analysis determined 10 principal components. The items grouped differently from the clusters in the six domains was determined qualitatively by a panel of experts. The instrument had good internal consistency, inter-rater and intra-rater reliability.



## DEVELOPMENT OF QUALITY OF LIFE MEASURE AMONG ELDERLY WITH DEMENTIA

### COMPLETED PROJECTS

## DENGUE TRANSOVARIAL TRANSMISSION IN *Aedes aegypti* IN CEBU CITY

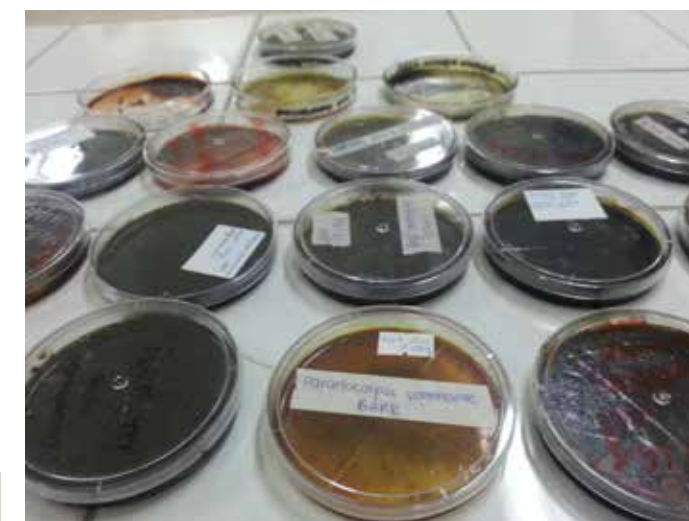
To lessen the dengue cases in Cebu City, a field study was conducted in four randomly selected areas to determine the dengue transovarial transmission (TOT) process in mosquito *Aedes aegypti*. TOT is the transmission of disease-causing agents from parents to offspring.

The mosquito pupae were collected monthly from November 2011-July 2012 and were reared in the laboratory. The viral ribonucleic acid (RNA) was later extracted to determine the dengue virus (DENV) variation or serotypes. Results showed that 62 out of 171 collected mosquito pools were found positive of DENV which gradually increased during the dry season.

Three serotypes were also detected respectively: DENV-4, DENV-3 and DENV-1. DENV-1 co-infected with either or both DENV-3 or/and DENV-4 during April 2012 while DENV-3 and DENV-4 were detected in both relatively dry and wet seasons. There were also more DENV-infected mosquitos found from man-made breeding sites than field premises in three out of four study sites.

The DENV occurrence surveillance and foci detection of *A. aegypti* during the dry season provide an early warning signal of dengue outbreak which helps suppress disease transmission.

## TUKLAS LUNAS DEVELOPMENT CENTERS: SUSTAINING REGIONAL CAPACITY IN DRUG DISCOVERY AND DEVELOPMENT



Through the Council's Drug Discovery and Development Program, Tuklas Lunas Centers (TLCs) are continuously being identified by the Council to enable collaborative researches in drug discovery and development in the regions.

In 2014, PCHRD identified four additional research institutions from Luzon, Visayas and Mindanao, increasing the total number of TLCs in the country to ten. The newest TLCs are Cagayan State University, University of the Philippines Los Baños, University of Santo Tomas, and Ateneo de Manila University.

The TLCs support research efforts in natural substances for drug discovery and fostering partnership between academic and research institutions in discovering potential drug sources from indigenous species.

# IMPROVING ACCESS TO HEALTH RESEARCH INFORMATION

Photo by University of Queensland



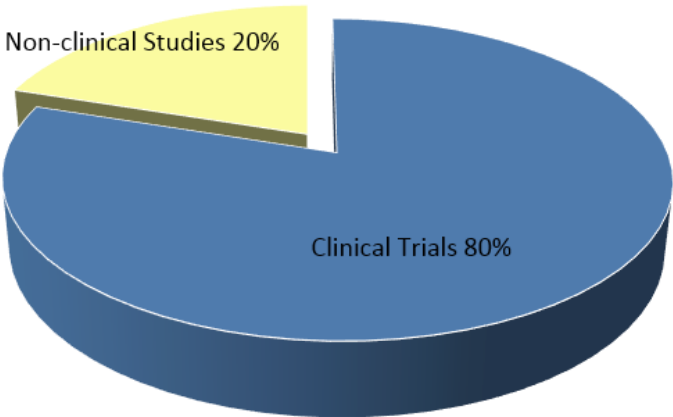
# PHRR:

## National Health Research Registry

# Year 2

As an open platform that allows researchers to upload, edit, and update information, a total of 102 researches were added to the PHRR in 2014. Out of these researches, 82 were clinical trials and 20 were non-clinical studies. 19 of these researches were government-funded amounting to PhP42,466,327.40. Of the 83 privately-funded researches, only 42 disclosed their research budget. Among the registered researches in 2014, 12 studies were completed.

Number of Studies Registered



Breakdown by type of study			
	Observational	Interventional	
Clinical trials	6	76	82
Non-clinical studies			20

Breakdown by Funding Source		
Source of Fund	No. of registered researches	Amount
Government-funded researches	19	PhP 42,466,327.40
Privately-funded researches	42	PhP 528,549,155.26

Registered studies by Funding Agencies	
Funding Agencies	No. of registered studies
Private Business Sector (includes Philippine CROs, Pharmaceutical Companies)	82
Department of Health, Central Office	5
Philippine Council for Health Research and Development	10
Department of Science and Technology, Central Office and Regional Offices	3
University of the Philippines Manila – National Institutes of Health	1
Self-funded	1

Distribution of Researches by Research Agenda (for ongoing studies)		
Health Technology Development		65
	Diagnostics	4
	Genomics/Molecular Technology	6
	Drug Discovery and Development	40
	Functional Foods	5
	Hospital Equipment and Biomedical Devices	3
	ICT in Health	3
	Others	4
Health Financing		1
	Financial Risk Protection	1
Health Service Delivery		14
	Improving access to quality hospitals and health care facilities	2
	Improving provision of public health services	12
Socio-environmental Health Concerns		5
	Environmental and climate changes	0
	Health social sciences (including community development)	4
	Others	1





Photo by La Sarcada Expedition

The Council, in partnership with UP Manila and the Philippine Institute for Traditional and Alternative Healthcare (PITAHC), set up the Philippine Traditional Knowledge Digital Library as the national electronic database on traditional knowledge in health.

The digital library provides information about the works of other researchers and scholars for free. Data include ethno-pharmacological documentation from available ethno-botanical studies, traditional healing practices and rituals from old lexicographic and linguistic documentation, current immersion research studies being conducted in selected ethno-linguistic groups, plant compendium, and a library of traditional healing.

The website protects the country's cultural heritage by encoding information in digital format. It ensures equitable benefit-sharing between researchers and cultural communities.

The site already contained data on 69 traditional healers, 89 healing practices and rituals, and 13,595 plants and natural products traditionally used for healing, registered 30 local ethno-pharmacology, and covered 25 ethno-linguistic groups in 48 provinces in the country.

TKDL is now recognized by the Intellectual Property Office (IPO).



The Council actively participates in the development of the Western Pacific Region Index Medicus (WPRIM), a medical and health journals online index published in the World Health Organization–Western Pacific Region (WHO-WPRO) member states.

In 2014, 2,662 articles were uploaded to the Western Pacific Region Index Medicus (WPRIM) database. The Regional Journal Selection Committee, on the other hand, approved a total of 10 journals, articles and abstracts which were indexed in the WPRIM database.

## HEALTH RESEARCH AND DEVELOPMENT INFORMATION NETWORK (HERDIN)



In 2014, a total of 4,199 research articles were uploaded by partner research institutions to the Health Research and Development Information Network (HERDIN) database, the national repository of published and unpublished health researches in the country. 13 new institutions were trained on how to use the system.



# EMBEDDING ETHICS IN THE NATIONAL HEALTH RESEARCH SYSTEM



## PHILIPPINE HEALTH RESEARCH ETHICS BOARD (PHREB)



In 2014, the Philippine Health Research Ethics Board (PHREB) accredited three Ethics Review Committees (ERCs) for Level II accreditation and 11 ERCs for Level III accreditation. Since 2012, PHREB was able to recognize 23 ERCs with three in Level II accreditation and 19 in Level III accreditation including the re-accreditation of University of the Philippines Manila - Research Ethics Board (UPM-REB).

PHREB also supported and organized a total of 14 trainings including one Standard Operating Procedure (SOP) Workshop, six Accreditation Training Orientations and seven Basic Health Research Ethics Trainings.

On 12 August 2014, PHREB conducted a session on ethical issues in disaster areas research at the Radisson Blu Hotel, Cebu City as part of the 8th PNHR Week celebration. PCHRD and PHREB also successfully hosted the 1st PHREB National Conference simultaneously with the 14th Forum for Ethical Review Committees in Asia and Western Pacific (FERCAP) International Conference last 24-26 November 2014 at Taal Vista Hotel, Tagaytay City.



## PHREB ACCREDITED ERCs FOR 2014

### LEVEL 2

1. Our Lady of Fatima University Institutional Ethics Review Committee
2. Pacific Eye and Laser Institute Institutional Review Board
3. Asian Eye Institute - Ethics Review Committee

### LEVEL 3

1. Mariano Marcos Memorial Hospital and Medical Center Ethics Review Committee
2. Chong Hua Hospital Institutional Review Board
3. Baguio General Hospital and Medical Center Ethics Review Committee
4. National Kidney and Transplant Institute -Research Ethics Committee
5. Lung Center of the Philippines Ethics Review Committee
6. Far Eastern University – Nicanor Reyes Medical Foundation Institutional Ethics Review Committee
7. University of the East Ramon Magsaysay Memorial Medical Center Inc.
8. Research Institute for Health Sciences Ethics Review Committee
9. Research Institute of Tropical Medicine – Institutional Review Board
10. University of Perpetual Help System - Institutional Ethics Review Board
11. Medical Center Manila - ManilaMed Ethics Review Committee
12. Davao Doctors Hospital Ethics Review Committee



## NATIONAL ETHICS COMMITTEE

The National Ethics Committee (NEC) began its operations in 2014 after its revival on 9 December 2013 as an independent ethics review body for health researches. Guided by a new set of roles and functions and a closer collaboration with the Philippine Health Research Ethics Board (PHREB), the committee's place in the country's health research system has become more significant and recognized.

This year, the NEC conducted review of 15 health researches through paperless method, made possible by the use of the Philippine Health Research Ethics Portal (PHREP).

To ensure timely and quality review, the NEC members constantly attended ethics trainings and meetings, participated in PHREB and PCHRD activities, and conducted peer consultations. The NEC also partnered with PCHRD and PHREB in training Ethics Review Committees (ERC) in using PHREP in the health researches review.

Recent and future endeavors of the NEC include writing about the founding of NEC, accreditation application by PHREB, PHREP training of more ERCs, assistance to PHREB in the formulation of policies and guidelines, and support to ERCs in the resolution of ethical issues through consultation.

## PHILIPPINE HEALTH RESEARCH ETHICS PORTAL

Raising the bar on how ethics reviews are conducted, the Philippine Health Research Ethics Portal (PHREP) was pilot tested by the NEC in 2014.

PHREP is an integrated online research management system designed to automate review process through online submission, online review and built-in communication system and to serve as database for researchers. The system was housed in and maintained by PCHRD and developed with the help of the World Health Organization-Western

Pacific Region (WHO-WPRO), PHREB and NEC.

Following the target set by PHREB during the PNHRS Strategic Planning regarding the training of ERCs, PCHRD has facilitated the training of the Our Lady of Fatima University – Institutional Ethics Review Committee (OLFU-IERC) on the PHREP system on 8-9 January 2014. OLFU-IERC is the first of the seven ERCs eyed by the board to pilot test the portal for further improvement of its reviewing process and archiving system.

## PHILIPPINE HEALTH RESEARCH ETHICS NETWORK

Responding to the increasing need to form a body that will assist ethics reviews and provide channel of communication among ERCs, the Philippine Health Research Ethics Network (PHREN) was officially launched during the 32nd Anniversary of PCHRD on 14 March 2014 at the Makati Shangri-La Hotel.

PHREN is an organization composed of ERCs established to be the national platform for sharing health research ethics issues, challenges, information, and good practices.

Dr. Saturnino P. Javier, Chair of the Makati Medical Center Institutional Review Board (MMC-IRB), was elected as the head of the Network.

PHREN's founding members include the Cluster ERC Region XI, MMC IRB, Manila Doctors Hospital Institutional Review Board (MDH IRB), Philippine Heart Center Institutional Ethics Review Board (PHC IERB), Research Institute for Tropical Medicine Institutional Review Board (RITM IRB), St. Luke's Medical Center Institutional Ethics Review Committee (SLMC IERC), The Medical City Institutional Review Board (TMC IRB), University of the Philippines Manila Research Ethics Board (UPM REB), and Veterans Memorial Medical Center Institutional Review Board (VMMC IRB).

PHREB-accredited ERCs are welcome to join the Network.

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# STRENGTHENING HUMAN RESOURCES IN HEALTH RESEARCH

*The Council continuously invests on activities which aim to capacitate the health S&T sector with highly trained and skilled human resource.*



# DOST ACCELERATED SCIENCE AND TECHNOLOGY HUMAN RESOURCE DEVELOPMENT PROGRAM

The DOST-PCHRD, in partnership with the Science Education Institute (SEI), granted scholarships under the DOST-Accelerated Science and Technology Human Resource Development Program (DOST-ASTHRDP) to 13 students (9 in MD-PhD Molecular Medicine and 4 in MS Molecular Medicine) in 2014. The new scholars joined the 189 ongoing scholars who are still completing their graduate degrees under the ASTHRDP. As of 2014, 14 already finished their studies.

Distribution of scholars by type and status – 2014			
STATUS	DOCTORAL	MASTER’S	TOTAL
COMPLETED	5	9	14
ONGOING	42	152	194
NEW	0	13	13
TOTAL	47	174	221

## MD-PHD SCHOLARS IN MOLECULAR MEDICINE

The DOST-PCHRD signed a memorandum of understanding (MOU) with the University of the Philippines Manila (UPM) to renew their support for the fifth batch scholars of the MD-PhD in Molecular Medicine Scholarship Program on 8 October 2014.

MD-PhD in Molecular Medicine Scholarship Program is a joint initiative of the DOST, through the Council, and UPM for human resource development in biomedical research. As the pioneering and only degree program in the Philippines that combines MD and PhD courses features, it offers a unique opportunity for talented, aspiring, young, Filipino scientists to train for careers in basic and applied biomedical researches.

This year, nine (9)md phd scholars qualified for the program, all of whom graduated with honors in their respective bachelor's degrees and garnered 96% and above National Medical Aptitude Test (NMAT) ratings of, with two achieving 100% ratings.

The new scholars were Inah Marie C. Aquino, Joannes Luke B. Asis, Federico Cristobal C. De Jesus II, Eloina Faye S. Gampoy, Eric David B. Ornos, Joanne Jennifer E. Tan, Ourlad Alzeus G. Tantengco, Mary Nadine Alessandra Uy, and Manuel S. Vidal Jr.

# PCHRD SCHOLARS SOCIETY

The PCHRD Scholars Society elected a new set of Board of Directors during its annual convention on 14 March 2014 at the Makati Shangri-La Hotel, Makati City.

Dr. Josefina A. Tuazon of the University of the Philippines Manila (UPM) was elected as president and Dr. Rommel Salazar of De La Salle Health Sciences Institute (DLSHSI) as vice president. The new set of board members also include Dr. Bella Panlilio of the Angeles University Foundation (AUF) as secretary, Dr. Eleanor Galvez of the Pamantasan ng Lungsod ng Maynila (PLM) as treasurer, Prof. Rogelio Cruz of the Centro Escolar University–Manila (CEU-Manila) as auditor, Mr. Mac Gerald Cueto of the University of the East Ramon Magsaysay Memorial Medical Center (UERMMMCI) as public relations officer, andDr. Benida Fontanilla of UERMMMCI, Dr. John Donnie Ramos of the University of Santo Tomas (UST), Dr. Nymia Simbulan of UPM and Mr. John Joseph Posadas of UERMMMCI were elected as board members of the PCHRD Scholar Society.

The PSS Website was also launched during the event. The website will primarily serve as a database and a tracking mechanism for all scholars who have completed the program.

On 27 October 27, 2014, PSS in collaboration with the University of the Philippines Manila College of Nursing (UPCN) conducted a seminar-forum with the theme “Knowledge Generation through Active Engagement in PNHRs and MMHRDC.” The Society aimed to inform the scholars about the health research system and the opportunities they can avail through the Regional Health Research and Development Consortium.

Invited guest speaker was Dr. Hilton Y. Lam, program coordinator of Metro Manila Health Research and Development Consortium and senior lecturer of the Department of Clinical Epidemiology, College of Medicine, UP Manila. The activity was attended by 34 participants from the Society and UPCN.



Photo by Don Bayley | E+ | gettyimages



## “BALIK PUSO, BALIK PILIPINAS, BALIK SCIENTIST

To encourage highly-trained overseas Filipino scientists, technologists, experts, and professionals to return to the Philippines, the Balik Scientist Program (BSP) by virtue of Presidential Decree (PD) No. 819 was created. It is now being implemented by the three sectoral councils of DOST with PCHRD managing the health research sector. This allows the sharing of their expertise for the acceleration of the scientific, agro-industrial and economic development of the country.

The PCHRD, being the lead coordinating agency for the PNHRs, implements the program through its network of 17 RHRDCs. The Council ensures that the research thrusts being addressed through the BSP are aligned with the NUHRA.

In 2014, PCHRD supported five new Balik Scientists.

## 2014 PCHRD-GRUPPO MEDICA AWARD FOR OUTSTANDING UNDERGRADUATE THESIS ON HERBAL MEDICINE

The PCHRD-Gruppo Medica Award is annually conferred to student-researchers in the hope of motivating young people to conduct relevant and innovative research in herbal medicine. Three researchers among 21 nominees were given recognition during the 8th PNHRs Week Celebration on 12 August 2014 at the Radisson Blu Hotel, Cebu City.

### FIRST PRIZE (PHP 60,000.00)

The Anti-dengue Potential of the Quercetin Fraction of Tawa-tawa (*Euphorbia hirta*) Whole Plant, Papaya (*Carica papaya*) Leaves, and the Combined Tawa-tawa (*Euphorbia hirta*) Whole Plant and Papaya (*Carica papaya*) Leaves Tea Preparation Using the Laboratory Criteria:

Platelet Count and Hematocrit Level

Lua Edirne I. Eugenio

Dave Eric P. Erosa

Hazel Mae S. Lawas

Rachel Mae L. Nengasca

Harvey P. Tadle

Jann Carmina P. Tadle

San Pedro College, Davao City

### SECOND PRIZE (PHP 40,000.00)

The Anti-urolithiatic Activity of the Tundan Saging (*Musa paradisiaca* Linn.) Pseudo-stem Capsule in Ethylene Glycol-induced Albino Rats (*Rattus norvegicus*): A Potential Preventing Agent for Kidney Stone Formation

Farrel Jay G. Batua

Sharmine Jane M. Befitel

Stephannie Louise B. Estipona

Benjamin Francis P. Fernandez

Brendell John T. Roa

Kariza V. Tan

San Pedro College, Davao City

### THIRD PRIZE (PHP 20,000.00)

The Anxiolytic Activity of Kaempferol Fraction from Busikad (*Kylinga brevifolia*) Leaves in Capsule Formulation

Diana Jane M. Cadiatan

Judith M. Abad

Mahannah P. Bale

Katreena Marie A. Brillante

Charleen S. Ganason

Ricca Bianca M. Guardados

San Pedro College, Davao City

Winners were mentored by their adviser, Professor Fatima May Tesoro of the College of Pharmacy, San Pedro College.

## WINNERS OF THE 2014 DOST-PCHRD GRUPPO MEDICA AWARD



## ALBERTO G. ROMUALDEZ, JR. OUTSTANDING HEALTH RESEARCH AWARD

The Outstanding Health Research Award (OHRA) was re-named to Alberto G. Romualdez, Jr. Outstanding Health Research Award (AROHRA) in honor of the late Dr. Alberto G. Romualdez, Jr., PCHRD's first Executive Director.



### WINNER

Neglected Tropical Diseases Study Group  
UP Manila-National Institutes of Health  
Health Services Research Category

Dr. Vicente Y. Belizario, former UPM-NIH Executive Director and convener of the research entitled, "Neglected Tropical Diseases Study Group," accepted the award for Health Services Research Category and cash prize amounting to PhP 500,000.00 during the 2014 Philippine National Health Research System (PNHRS) week celebration on 12 August 2014 at the Radisson Blu Hotel, Cebu City.



## NOVARTIS NEXT GENERATION SCIENTISTS PROGRAM



*We are pleased to work anew with Novartis and our other partners in strengthening our country's scientific and technological base for healthcare delivery. We will continue to work towards local research that is dynamic, realistic, responsive and relevant in order to meet global challenges*

*-Dr. Jaime C. Montoya*

The Council facilitated the partnership between DOST and Novartis Pharmaceuticals for the Novartis Next Generation Scientists Program which is organized to support talented post-graduate students from different countries through a three-month long internship at the Novartis research facility. The Philippines is the first Asian country to send delegates to the program.

Dr. Leslie Michelle Dalmacio and Dr. Hiyas Junio of UP Manila and UP Diliman were the chosen Filipino delegates to the Novartis Next Generation Scientist Program in Basel, Switzerland in 2015.

# RESEARCH FOR BETTER HEALTH





# HEALTH POLICY NOTES FOR EVIDENCE-INFORMED POLICY AND PRACTICE

To translate research results into policies and actions, the Council came up with policy briefs that transform research evidence to easy-to-read one or two-pagers to catch a policy maker’s attention, many of whom are pressed for time, given the many competing concerns that they have to address.

In 2014, the Council ran an inventory of its funded projects with policy implications in the last five years. Among others, policy briefs were prepared for dengue control and prevention, and leptospirosis.

Under the DOH-HSRM Program, PCHRD facilitated the production of 36 health policy notes.

# TECHNOLOGY COMMERCIALIZATION: CREATING WEALTH, ACCELERATING ECONOMIC GROWTH

The Council continues to assist research institutions to implement the provisions of the Technology Transfer Act of 2009 (RA 10055) by capacitating them to set up their technology licensing or business development offices and monitoring technology commercialization of the research network.

In 2014, PCHRD monitored the progress of UP Manila as technology developer in its commercialization efforts for medicinal products such as *lagundi* tablet and syrup for cough and asthma, the *sambong* tablet for kidney problems, *tsaang gubat* tablet for biliary and intestinal pains and yerba buena tablets for fungal infections.

To date, there are 18 adopters for lagundi syrup, 15 for *lagundi* tablet, nine for *sambong* tablet, one for *tsaang gubat* tablet, and one for *yerba buena* tablet.

# NATIONAL MEDICAL WRITING, REVIEWING AND TRAIN-THE-TRAINERS WORKSHOP

Since 2012, the PCHRD, with the Philippine Association of Medical Journal Editors (PAMJE) and the Asia Pacific Association of Medical Journal Editors (APAME), holds the National Medical Writing, Reviewing and Train-the-Trainers Workshop.

The workshop is conducted in selected regions of the country twice every year to capacitate local researchers in writing and publishing their outputs in scholarly journals.

The training is composed of two parts: part 1 where the basic principles and guidelines for medical journals writing were presented and part 2 where draft manuscripts of researcher-participants were reviewed and commented by experts.

In 2014, the workshops conducted in Tagaytay, Cagayan De Oro and Davao trained 96 researchers and 23 editors.

PART 1			PART 2		
	Researcher	Editor		Researcher	Editor
Tagaytay	44	11	Davao City	14	6
Cagayan De Oro	38	6			
TOTAL	82	17			



# 2014 NATIONAL SCIENCE AND TECHNOLOGY WEEK CELEBRATION

Science Nation was the DOST’s catchphrase in its 2014 National Science and Technology Week (NSTW) celebration on 24-28 July 2014 at the SMX Convention Center, Pasay City.

The Council teamed up with the Industrial Technology Development Institute (ITDI), the Food and Nutrition Research Institute (FNRI), and the Philippine Nuclear Research Institute (PNRI) in staging the Healthcare Outcome Exhibit.

With the exhibit, PCHRD conducted three forums and a health and wellness activity, namely: eHealth Forum on the Philippine Health Information Exchange, Drug Discovery and Development; Biotechnology Leadership Camp 2014; and Hataw Agham Health and Wellness Program.





## ASEAN NETWORK FOR DRUGS, DIAGNOSTICS, VACCINES, AND TRADITIONAL MEDICINES INNOVATION

The ASEAN Network for Drugs, Diagnostics, Vaccines, and Traditional Medicines Innovation (ASEAN-NDI) conducted its 1st Community of Practice (CoP) on Traditional Medicine meeting at the Dusit Thani Hotel, Makati City on 26-27 June 2014.

The meeting identified possible collaborative programs and projects that would address the R&D gaps and promote the science behind the traditional medicine use.

The meeting was attended by 33 participants including representatives from government agencies in the country like DOST and DOH and Association of South East Asian Nation (ASEAN) member states who affirmed their interest to participate on potential areas for collaborations, particularly ICT use, researchers capacity-building, policies and regulations harmonization and R&D projects execution. They also agreed to create an ASEAN Database on Herbal Medicine.

## ASEAN-US SCIENCE AND TECHNOLOGY FELLOWS PILOT PROGRAM



The ASEAN-US Science and Technology Fellows Pilot Program was launched on April 1, 2014 at the ASEAN Secretariat Office in Jakarta, Indonesia. The program aimed to increase the capacity for science-based policymaking through strengthening of S&T priorities.

Under the Program, the Council hosted a post-doctoral health fellow, Dr. Maria Ruth Pineda-Cortel. She is involved in the projects managed by ASEAN-NDI.

## 2014 INTERNATIONAL CONFERENCE OF THE ASIA PACIFIC ASSOCIATION OF MEDICAL JOURNAL EDITORS

During the 2014 APAME International Conference last 15 – 17 August 2014 in Ulaanbaatar, Mongolia, two representatives from the Philippines were elected as officers. Dr. Jose Florencio Lapeña, Jr., president of the Philippine Association of Medical Journal Editors (PAMJE), was elected as the APAME President and Ms. Merlita Opeña, Division of Chief of PCHRD's Research Information, Communication, and Utilization Division, was re-elected as Chair of the Committee on Education. Overall, nine Filipinos attended and participated in the conference.

APAME aims to improve the quality of scholarly journals on medicine and health sciences in South-East Asia and Western Pacific Regions.





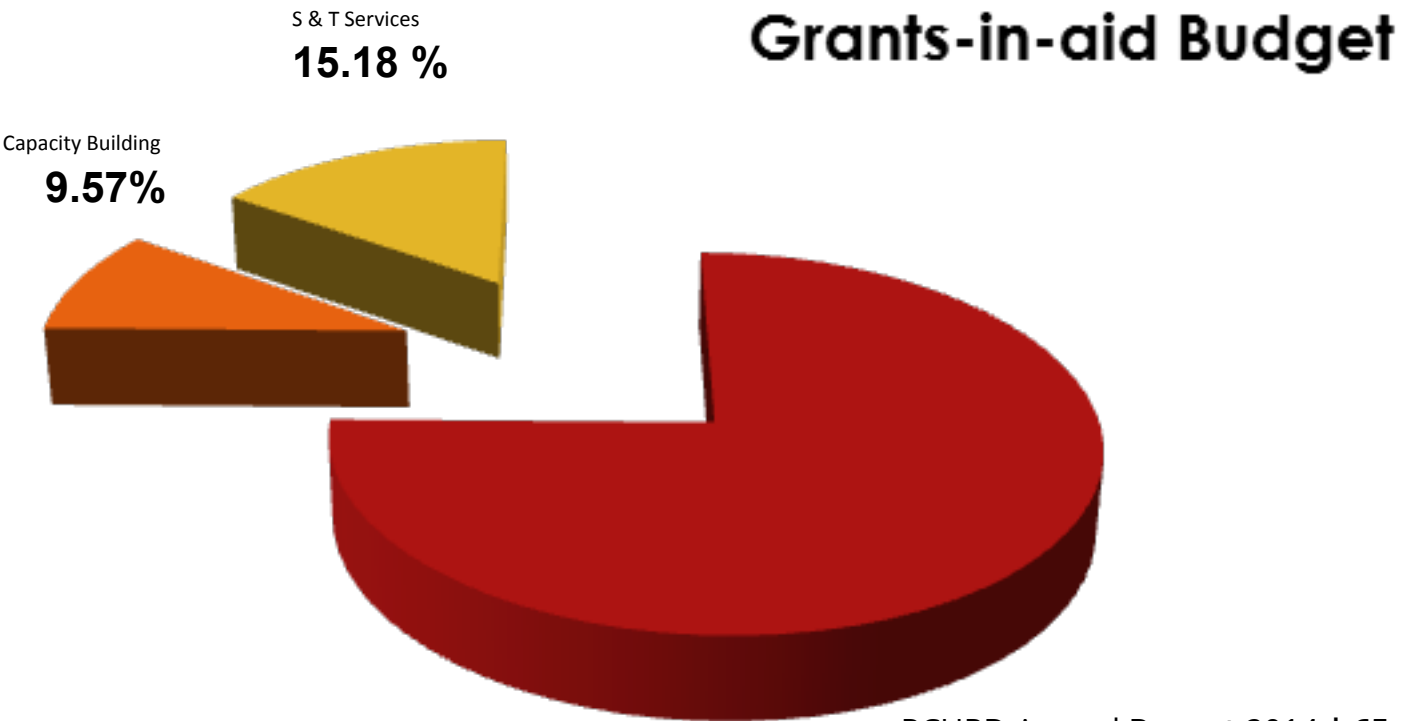
# RESOURCE MOBILIZATION

In 2014, a budget of P566,318,642.00 was allotted to the Council wherein 79.56% came from the government fund and 20.44% from other sources. From this amount, P398,822,192.00 has been utilized for grants-in-aid with 75.25% allotted for research and development, 9.57% for capacity building and 15.18 % for science and technology services.



Photo by Adam Gault | OJO Image | gettyimages

PCHRD Budget			
PARTICULARS	ALLOTMENT	EXPENDITURES	UTILIZATION RATE
General Appropriations from Government (GAA - RA No. 10633 )			
General Administration and Support	11,168,000	10,904,457	98%
Operations	26,623,808	25,003,035	94%
Grants-in-aid:			
Research and Development	300,101,652	300,101,652	100%
Capacity Building	38,159,197	38,159,197	100%
S & T Services	60,561,343	60,561,343	100%
Miscellaneous Personnel Benefit Fund	4,611,626	4,611,626	100%
Pension and Gratuity Fund	596,296	596,294	100%
International Commitment Fund	8,764,000	7,077,589	81%
Total Funds from National Government	450,585,922	447,015,193	99%
Funds from Other Sources			
DOST	5,500,000.00	1,256,433.09	
DOH	94,600,000.00	94,600,000.00	
SEI - DOST	14,632,720.00	9,590,438.00	
PHILHEALTH	1,000,000.00		
Total trust fund from other sources	115,732,720	105,446,872	91%
GRAND TOTAL	566,318,642	552,462,065	98%







PHILIPPINE COUNCIL FOR  
HEALTH RESEARCH AND DEVELOPMENT  
ISO 9001 : 2008 CERTIFIED

## INSIDE PCHRD

Behind PCHRD's success are the people who are committed and motivated to consistently deliver excellence in public service.

As of 31 December 2014, the Council's diverse and talented human resource is composed of 37 technical and 19 administrative and support staff, whom 33 are bachelor's degree holders, 15 are master's degree holders, 2 are medical doctors, and 2 are doctoral degree holders.

### ISO 9001:2008 Certification

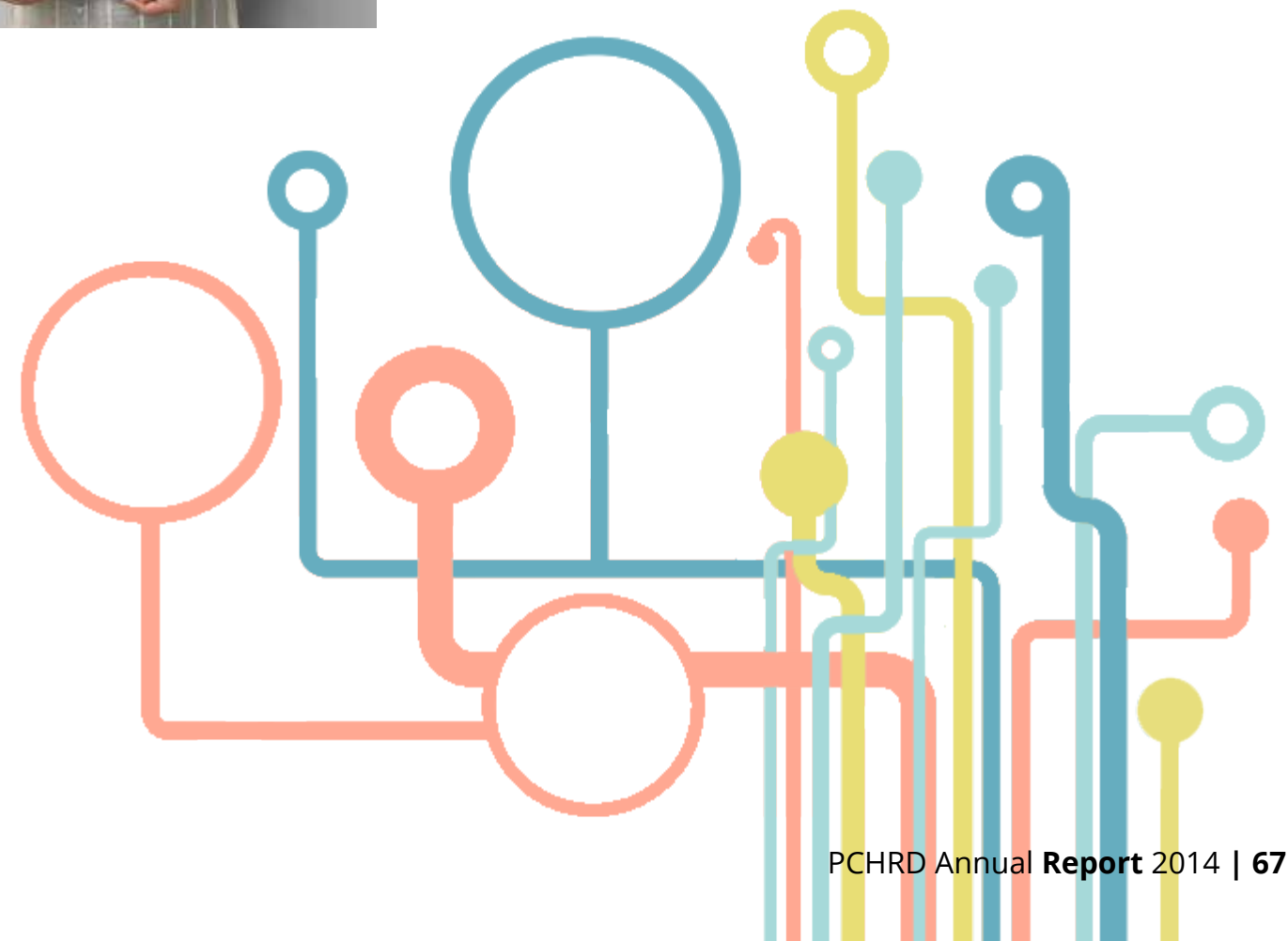
PCHRD maintained its ISO 9001:2008 certification after passing the Annual Surveillance Quality Audit conducted by the Certification International Philippines, Inc. (CIPI) on 5 March 2014. This certification exemplifies the continuing compliance of the Council with the worldwide standards for quality management and operational systems and maintenance of its QMS in accordance with the requirements of ISO 9001:2008.

The certification covered the PCHRD's processes on research management and development, research information, communication and utilization, human resource and institution development, and finance and administrative functions.

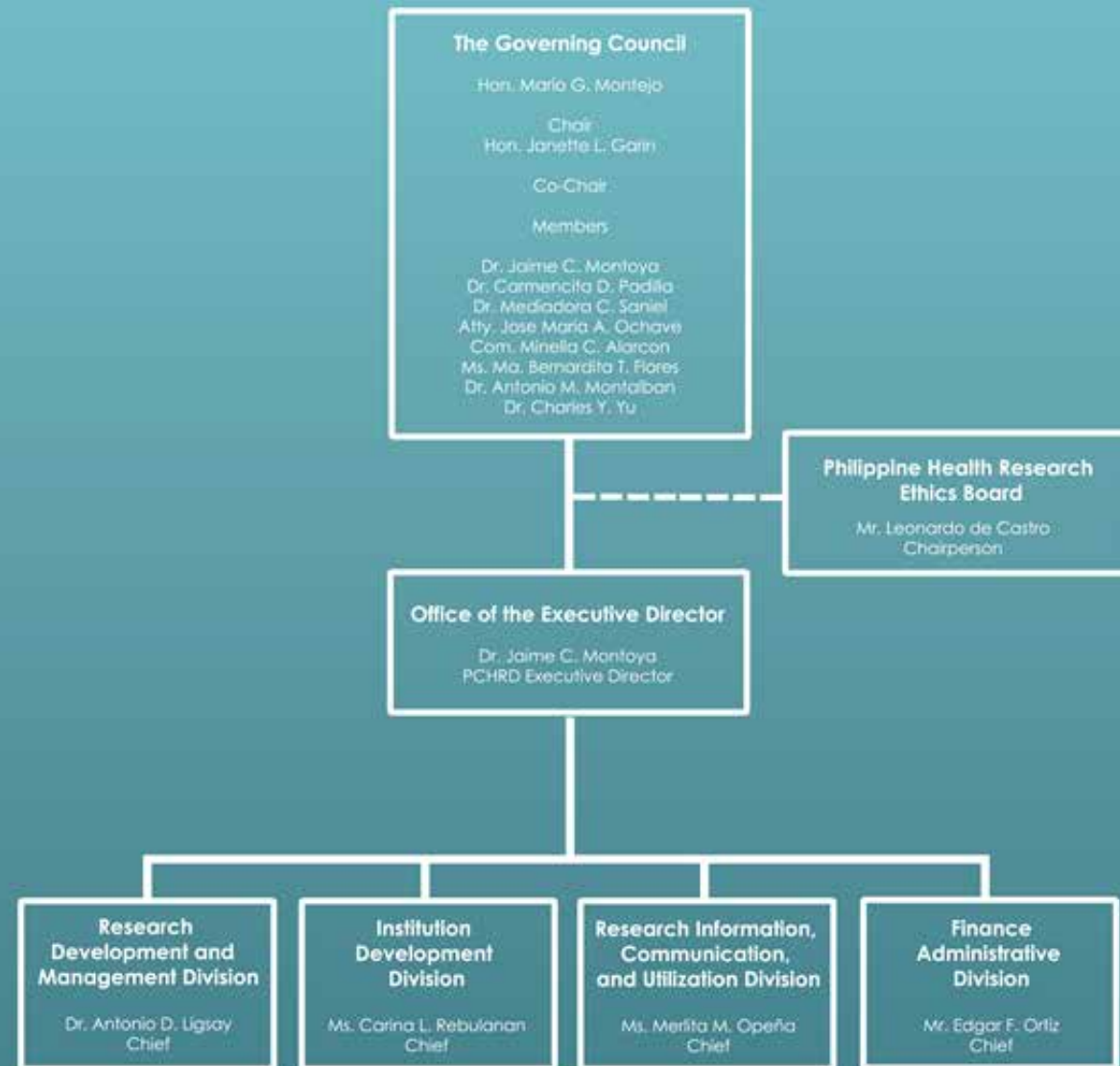
### CESB CONFERS PRESIDENTIAL HONOR TO DR. MONTOYA FOR OUTSTANDING LEADERSHIP



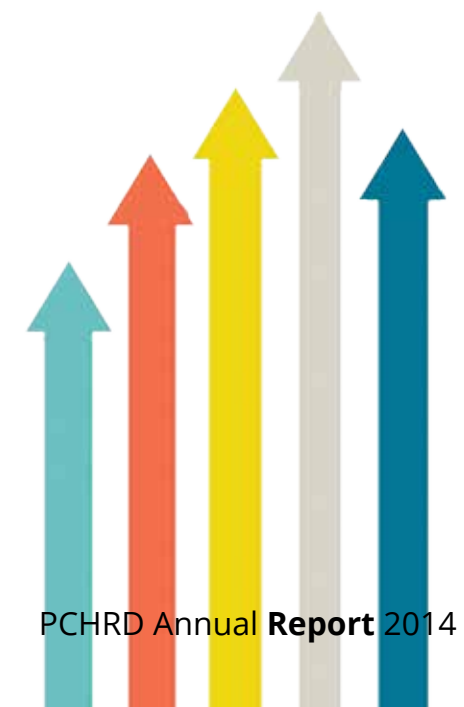
The Career Executive Service Board (CESB) awarded the Gawad Career Executive Service 2013 award to PCHRD Executive Director Dr. Jaime C. Montoya during the 13th Annual CES Conference on 12-14 November 2014 at the Waterfront Cebu City Hotel and Casino, Cebu City. The award recognized Dr. Montoya's outstanding leadership and exemplary contributions to the country's social development and nation-building. These include his initiatives to create the ASEAN-NDI, set up RHRDCs in all 17 regions of the country, and support PHREB efforts to ensure safety and dignity of human participants in health researches.



## PCHRD Organizational Structure



## PCHRD PRIME MOVERS





# GOVERNING COUNCIL

## CHAIR

**Hon. Mario G. Montejo**  
*Secretary*  
Department of Science and Technology

## CO-CHAIR

Hon. Janette P. Loreto-Garin  
*Acting-Secretary*  
Department of Health

## MEMBERS

**Dr. Jaime C. Montoya**  
*Executive Director*  
Philippine Council for Health Research & Development

**Dr. Carmencita D. Padilla**  
*Chancellor*  
University of the Philippines Manila

**Dr. Mediadora C. Saniel**  
*Director*  
Professional Services, Inc.  
The Medical City

**Atty. Jose Maria A. Ochave**  
*Corporate Vice President*  
Business Development Group  
United Laboratories, Inc.

**Com. Minella C. Alarcon**  
*Commissioner*  
Commission on Higher Education

**Ms. Ma. Bernardita T. Flores, CESO II**  
*Assistant Secretary of Health & Executive Director IV*  
National Nutrition Council

**Dr. Antonio M. Montalban**  
*Orthopaedic Surgeon*  
San Juan de Dios Hospital

**Dr. Charles Y. Yu**  
*Vice Chancellor for Mission and Linkages*  
De La Salle University

# PCHRD OFFICIALS

## OFFICE OF THE EXECUTIVE DIRECTOR

**Dr. Jaime C. Montoya**  
*Executive Director*

## DIVISION CHIEFS

**Dr. Antonio D. Ligsay**  
*Research Development and Management Division*

**Ms. Carina L. Rebulanan**  
*Institution Development Division*

**Mr. Edgar F. Ortiz**  
*Finance and Administrative Division*

**Ms. Merlita M. Opeña**  
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# ANNEXES



LIST OF R&D PROJECTS

DOST-MONITORED

ONGOING

Regional Roll-out of the Biotek-M Dengue Aqua Kit (Liquid Format)  
University of the Philippines Diliman  
- Philippine Genome Center

PCHRD-ASSISTED

COMPLETED

Development of Quality of Life Measure among Elderly with Dementia  
St. Luke’s Medical Center

Development of QOL-APO: A Measure of Quality of Life among the Filipino Elderly from the Perspectives of the Elderly, Family and Healthcare Providers  
St. Luke’s Medical Center

Identification of Prevalent Serovars of Leptospirosis in the Philippines  
University of the Philippines Manila

Natural Transovarial Transmission of Dengue Virus in *Aedes aegypti* (Linnaeus) in Selected Sites in Cebu City  
University of San Carlos

The Usefulness of the Microscopic Observation Drug Susceptibility (MODS) Assay in a Level II Mycobacteriology Laboratory in the Philippine Setting  
Philippine General Hospital

ONGOING

An Intensive Community-Based Lifestyle Intervention Program for the Prevention of Type 2 Diabetes Mellitus among Some Filipinos in San Juan, Batangas, Philippines  
University of the Philippines Manila

Analysis of Nutritional Status of Filipino Mothers and its Associated Factors Using Data of the 2011 Updating of Nutritional Status of Filipino Population  
Food and Nutrition Research Institute

Antidiabetic Constituent/s from *Moringa oleifera*  
University of the Philippines Diliman

Anti-inflammatory Constituent/s from *Moringa oleifera*  
University of the Philippines Diliman

Anti-parasitic Constituent/s from *Moringa oleifera*  
University of the Philippines Diliman

Bioactive Molecular Scaffolds from the Chemically-Engineered DCM Fractions of the Novel Endemic Annonaceae species, *Uvaria valderramensis* – A Diversity-Oriented Approach towards New Antitubercular, Anti-staphylococcal and Anti-Alzheimer’s Agents  
University of Santo Tomas

Biological Activity of Solvent-Based and Supercritical CO2-Based Extracted Phytochemicals from Selected Medicinal Plants In Mindanao Using A Two-Stage Bioassay Screening  
Mindanao State University - Iligan Institute of Technology

Cholesterol and Glucose Lowering Effects of Brown Rice Among Hypercholesterolemic Patients  
The Philippine Womens University

Comparison of Selected Medicinal Plant Extracts of Mindanao from Conventional Solvent Extraction versus Supercritical Carbon Dioxide (SC-CO2) Extraction and Identification of Bioactive Compounds  
Mindanao State University - Iligan Institute of Technology

Connecting and Sustaining Health Communities: Integrating a Sector Wide Approach to the eHealth Philippine Agenda  
Ateneo de Manila University

Dengue Vector Surveillance in Selected Schools in the National Capital Region Project 1  
University of the Philippines Diliman

Detection and Purification of Peptide(s) with Antimicrobial and/or Antioxidant Properties from *Ipomoea alba*  
University of the Philippines Manila

Development and Technical and Clinical Safety and Performance Testing of a Philippine-made Volume-cycled Mechanical Ventilator  
University of the Philippines Manila

Development and Pilot Testing of Distal Targeting Device  
Orthopaedic International, Inc.

Development of an Affordable, Universal Anatomic Knee System with Automated Instrumentation  
Orthopaedic International, Inc.

Development of New Antimicrobial Anoplin Lipopeptides  
University of the Philippines Diliman

Development of Point of Care Test for the Diagnosis of Cobra Envenomization  
Research Institute for Tropical Medicine

Development of Whole Inactivated Monovalent and Bivalent Vaccines for Leptospirosis Applicable in the Philippine Setting  
University of the Philippines Manila

Developing the eHealth TABLET (Technology Assisted Boards for LGU Efficiency and Transparency) Prototype: A Bottom up Approach to the Development of an Electronic tablet-based Health Information System Integrative Application  
Ateneo de Manila University

Enhancement and Integration of PhilHealth Primary Care Benefits (PCB) modules with eHealth TABLET system  
Ateneo de Manila University

Extraction, Purification, Preliminary Toxicity, Antioxidant Potential and Antimicrobial Assessment of the Phytochemicals from Selected Medicinal Plants of Mindanao  
Mindanao State University - Iligan Institute of Technology

Fever as an Early Warning Tool for Dengue (Project 2)  
Department of Health - Center for Health Development Metro Manila

HLAB27 and HLADRB1 Genotyping of Spondyloarthropathies and its Severity among Filipino Patients  
University of Santo Tomas Hospital

Incidence of HIV in a Cohort of Men who Have Sex with Men in Metro Manila  
Research Institute for Tropical Medicine

Isolation, Purification and Identification of Antimicrobial and Antioxidant Metabolites from the Leaves of *Ipomoea alba* obtained from Mt. Isarog Natural Park  
University of the Philippines Manila

MicroRNA Regulation of Drug Responses: Proof of Hypotheses  
University of the Philippines Diliman

Herbal Extracts from Cordillera for Bioactivity and ADMETox Assays  
University of the Philippines Baguio

Herbal Extracts from Mt. Isarog for Bioactivity and ADMETox Assays  
University of the Philippines Manila

Herbal Drugs Against Tuberculosis (Y2)  
University of the Philippines Diliman

Hemostatic Agents from Radiation-Modified Polysaccharides and Their Derivatives: Product Development and Efficacy/Safety Evaluation in Animal Model  
Department of Science and Technology - Philippine Nuclear Research Institute

In vitro *Plasmodium falciparum* Culture Facility for Bioassay  
University of the Philippines Diliman

Immunomodulatory Properties of *Moringa oleifera* Lam Constituent/s  
Department of Science and Technology - Food and Nutrition Research Institute

Malunggay derived Anti-Tumor Agents: Isolation, Characterization, Bioactivity and Molecular Targets  
Department of Science and Technology - Food and Nutrition Research Institute

Medical Teleparasitology for Laboratory Diagnosis of Parasitic Infections in the Philippines  
University of the Philippines Manila

Mobile Tele dermatology Alert and Response System for Leprosy Control  
Metahelix, Inc.

Modulatory Role of Indigenous Medicinal Plants Identified in Ilocos Norte in Acute and Chronic Inflammatory Diseases (Phase 1)  
Mariano Marcos State University

**Molecular Discovery Project from Selected Philippine Indigenous Medicinal Plants for Treatment of Diabetes Mellitus**

Visayas State University

**Nationwide Dengue Vector Surveillance**

Department of Science and Technology - National Capital Region

**Non-Pharmacological Home based treatment for Dementia**

St. Luke’s Medical College

**Quantitative Molecular Signatures and Predictors of Leptospirosis and the Development of its Complications using Gene Expression Markers and Pathway Analyses**

University of the Philippines Diliman

**Pharmacogenomic Studies on Commonly Prescribed Drugs for Filipinos with Hypertension, Dyslipidemia, and Coronary Artery Disease**

University of the Philippines - Philippine Genome Center

**Preclinical Evaluation of the Efficacy and Safety of Parenterally Administered Avian-Derived Neutralizing Antibodies Against Extracellular Histones in the Prevention of the Complications of Sepsis**

University of the Philippines Manila - National Institutes of Health

**Prevalence of HIV among at Risk Patient Population at the Philippine General Hospital**

Research Institute for Tropical Medicine

**Standardized Antihypertensive Product/s from *Moringa oleifera***

University of the Philippines Diliman

**State of the Art Researches on Ageing in the Philippines**

University of the Philippines Manila - National Institutes of Health

**Species Diversity Analysis of *Schistosoma japonicum* and *Oncomelania hupensis* quadrasisIsolated from Endemic Provinces in the Philippines**

College of Public Health Foundation Inc.

**Subchronic Toxicity Studies of Virgin Coconut Oil on Sprague-Dawley Rats**

De La Salle Health Sciences Institute

**Subchronic Toxicity Studies of Yacon 500mg Capsules in Healthy Sprague-Dawley Rats**

De La Salle Health Sciences Institute

**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**

University of the Philippines - Philippine General Hospital

**The Prevalence of Genetic Polymorphisms Associated with the Risk for the Development of Hypertension, Dyslipidemia, and Coronary Artery Disease among Filipinos**

University of the Philippines Manila - Philippine Genome Center

**Validation of the Proposed XDP-MDSP Rating Scale for the Evaluation of Patients with X-linked Dystonia-Parkinsonism (XDP)**

Philippine Children’s Medical Center Inc.

**Prospective Urban and Rural Epidemiological Study (PURE)**

University of the Philippines Manila - Philippine General Hospital

**TIPS 3 (The International Polycap Study 3): A Randomized Double-Blind Placebo-controlled Trial for the Evaluation of a Polypill Low Dose Aspirin and Vitamin D supplementation in primary prevention.**

University of the Philippines Manila - Philippine General Hospital

**Epidemiology of *Plasmodium falciparum*, *P. vivax*, and Zoonotic *P. knowlesi* in Southern Mindanao, the Philippines: Geographic Distrbution, Mutation in Genes that Confer Drug Resistance**

University of the Philippines Los Baños

**Herbal Extracts from Benguet for Bioactivity and ADMETox Assays**

University of the Philippines Manila

**Herbal Extracts from Negros for Bioactivity and ADMETox Assays**

University of the Philippines Diliman

**In-vitro Nephro and Hepatotoxicities of Bioactive Extracts from Terrestrial Organisms**

University of the Philippines Diliman

**Molecular Identification and Extraction of Bioactive Compounds from Foliar Epiphytic and Endophytic Fungi from Benguet, Philippines**

University of the Philippines Baguio

**Plant Extracts from Plants Endemic in Davao Region for Bioactivity and ADMETox Assays**

University of the Philippines Mindanao

**Blockade of Airway Inflammation and Airway Hyperresponsiveness Caused by Inhibition of Group V Phospholipase A2 Activation: Effect of Humanized Antibidy Directed against Group V Phospholipase A2 (Year 2)**

St. Luke’s College of Medicine

**Product Development of Biotek-M Dengue-seco Kit (Lyophilized Format)**

University of the Philippines Diliman - Philippine Genome Center

**Forensic DNA Analysis Procedures for Human Remains Identification**

University of the Philippines Diliman

**Y Chromosomal DNA Variation of the Filipinos across families using Rapidly Mutating (RM) Y-chromosome Specific Short Tandem Repeat (STR) Markers**

University of the Philippines Diliman

**Anticancer, Antiinfective, Antiinflammatory and Toxicity Studies and Chemical Profiling of the Expressed Juice of the Bark of *Scyhiphora hydrophyllaceae***

University of Santo Tomas

**Critical Assessment of the Free Radical Scavenging and Chemopreventive Properties of *Ficus pseudopalma***

University of Santo Tomas

**Evaluation of the Antidiabetic and Antihypertensive properties of PRP-1 from purple yam (*Dioscorea alata* L.) and of manunggal (*Samadera indica* Gaertn)**

Visayas State University

**DNA Barcoding for the Authentication of Philippine Medicinal Plants**

University of the Philippines Manila

**NEW**

**Assessment of the Field Performance of Commercially Available Larvicides in the Philippines**

University of the Philippines Manila

**Community and Home-Based Balance Training Intervention for Filipino Elderly at Risk for Falls**

St. Luke’s Medical Center

**Comparative Study of Thiel Method and Use of Formalin in Preserving Cadavers used in Anatomy dissection**

University of the Philippines Manila

**Comprehensive study on virus quasi-species and vascular permeability factors in severe dengue infection in humans for innovative epidemic and clinical managements**

St. Luke’s Medical Center, e-ASIA Joint Research Program

**Deployment of eHealth TABLET with PCB system in 450 selected LGUs Nationwide Development of a Portable Industrial Grade Biomedical Diagnostic Device for Remote Maternal and Fetal Health Care Monitoring, Phase II**

University of the Philippines Diliman

**The Impact of Speech and Lip Reading Training and Adjustment Counseling on the Elderly Individuals Ability to Cope with Sensorineural Hearing Loss**

St. Luke’s Medical Center

**An Observational Study on the Effects of Ballroom Dancing among Filipino Elderly with Mild Cognitive Impairment**

St. Luke’s Medical Center

**Prevalence of Iron Deficiency Anemia and Thalassemia in the National Capital Region, Philippines: Implications on Policies on Anemia**

Department of Science and Technology - Food and Nutrition Research Institute

**Chronotype of Filipino Non-shift Workers and Shift Workers (Project 1)**

University of the Philippines Diliman

**Exploring the Potentials of Philippine Ferns and Lycopods as Therapeutics for Chronic Inflammation and Cancer**

Central Mindanao University

**Myko-mining of Wild Edible Mushrooms and Other Allied Species in Central Luzon for their Anti-diabetic Properties**

Central Luzon State University

**Evaluation of Candidate Genomic Variations as Pharmacogenetic Markers for Commonly Used Oral Hypoglycemic Agents among Filipinos**

University of the Philippines Diliman - Philippine Genome Center

**Correlation of Candidate Genomic Variations for Susceptibility and Risk Assessment of Type 2 Diabetes Mellitus and its Related Medical Conditions**

University of the Philippines Diliman - Philippine Genome Center



**Transcriptional Profiling & Pathway Analyses for Complications of Type-2 Diabetes** Milletus  
University of the Philippines Diliman - Philippine Genome Center

**Association between Pharmacogenomics & Clinical Response to Anti-Asthma Drugs among Filipino Patients with Bronchial Asthma in the PGH Outpatient**  
University of the Philippines Manila - Development Foundation

**Heavy Metals, Work Proximity to Major Roadway, Blood Pressure, and Lung Function: Exposure Assessment of Traffic Enforcers of the Metropolitan Manila Development Authority (MMDA)**  
University of the Philippines Manila - Development Foundation

**Mutational Analysis of SLC26A4 and Audiological Outcomes among Filipino Cochlear Implantees**  
Newborn Hearing Screening Reference Center  
Philippine National Ear Institute

**Project 1: Peptides and Small Molecules as Antidiabetic Drugs**  
University of the Philippines Diliman

**Project 2: Synthesis of Imidazole-based Antifungal Agents**  
University of the Philippines Diliman

**Project 3: Synthesis of Deguelin Derivatives as Anticancer**  
University of the Philippines Diliman

**Project 4: Synthesis, Derivatization and Antihypertensive Activity of Benzimidazoles**  
Mindanao State University - Iligan Institute of Technology

**Project 5: Diversity-oriented Synthesis of Potential Anti-inflammatory and Anti-cancer Agents Based on  $\alpha,\beta$ -Unsaturated 4-Hetereocyclopentanone Scaffolds**  
University of Santo Tomas

**Field Evaluation of Effectiveness of Sticky Trap using Crude Extract *A. aegypti* mosquitoes**  
Rainiers Research and Development Institute Inc.

**Herbal Extracts from Beach Forest and Mangroves of Aurora and Other Selected Sites for Bioactivity and ADMETox Assays**  
University of the Philippines Diliman

**Dose Formulation of *Lagerstroemia speciosa*, *Zingiber officinale*, *Euphorbia hirta* and a Fixed-Dose Combination of all Three**  
De La Salle Health Sciences Institute

**Dose Formulation of *Lagerstroemia speciosa*, *Zingiber officinale*, *Euphorbia hirta* and a Fixed-Dose Combination of all Three**  
De La Salle Health Sciences Institute

**Development of an Antibacterial *Psidium guajava* Ointment**  
University of the Philippines Manila - National Institutes of Health

**Development of an Antiparasitic Herbal Medicine**  
University of the Philippines Manila - National Institutes of Health

**Development of an Oral Herbal Medicine for increased Ocular Pressure**  
University of the Philippines Manila - National Institutes of Health

**Anti-inflammatory and Anti-Pain Agents from Terrestrial Organisms**  
University of the Philippines Diliman

**Anti-Hypertension and Cholesterol-Lowering Compounds from Terrestrial Organisms**  
University of the Philippines Diliman

**Anti-Diabetic Bioactive Hits from Plants**  
University of the Philippines Diliman

**In Vitro Equivalence Testing of Selected Generic Essential Medicines for BCS-based Biowaivers**  
University of the Philippines Manila

**Induced antibiotic production in extremophiles from Philippine hyperalkaline springs in Poon Bato, Zambales and Manlalueg, Pangasinan**  
University of the Philippines Diliman

**Project 1. High-throughput Multi-omics Discovery of Bioactive Marine Compounds and Establishment of a Marine Chemical Library and Informatics System**  
University of the Philippines Diliman

**Project 2:Anti-Pain and Anti-Neurodegeneration Drug Candidates: Discovery and Development**  
University of the Philippines Diliman

**Project 3: Anti-Infective Drug Candidates: Discovery and Development**  
University of the Philippines Diliman

**Implementation and Evaluation of the Proposed Model for Integrated TB-Paragonimiasis Surveillance and Control in Zamboanga del Norte, Philippines**  
University of the Philippines Manila

PCHRD–MONITORED

COMPLETED

**A Web-based Interactive Genome Library for the Surveillance, Detection, Characterization and Monitoring of Influenza Virus Infection in the Philippines**  
University of the Philippines Manila - National Institutes of Health

**Bioavailability of Iron, Zinc, and Calcium from Malunggay Leaves and Fruit: An In vitro Assessment**  
Department of Science and Technology - Food and Nutrition Research Institute

**Deployment, Training and Monitoring of OL Traps in School-based OL Trap Roll-out (Project 2)**  
Department of Science and Technology - Regional Offices

**Dietary Fiber Composition and Dietary fiber characteristics of Malunggay Leaves**  
Department of Science and Technology - Food and Nutrition Research Institute

**Production of 1 Million Ovi/Larvicidal Trap Kits for Aedes Mosquito for Distribution to the Department of Education (Proj 1)**  
Department of Science and Technology - Industrial Technology Development Institute

**Roll-out of Ovicidal/Larvicidal Trap System for Aedes Mosquito**  
Department of Science and Technology - Industrial Technology Development Institute

**The Efficacy of Malunggay Leaves Sprinkle in Improving the Iron, Vitamin A, B Vitamins and Calcium Status of 8-10 year old Schoolchildren**  
Department of Science and Technology - Food and Nutrition Research Institute

**Construction of Drug Immunoliposomes**  
University of the Philippines Diliman

**Dengue: Climate, Evolution and Transmission (DenCET)**  
University of the Philippines Diliman

**Design and Development of a Lateral POC System (Project 2)**  
St. Luke’s Medical Center

ONGOING

**Generation of Recombinant Humanized Single-chain Fv (ScFv) targeted to TAG72 for the Construction of Immunoliposomes**  
University of the Philippines Diliman

**High Throughput Simultaneous Detection of Waterborne Parasitosis from Household, Recreational and Environmental Water Samples Using Microarray Technology**  
University of the Philippines Manila - National Institutes of Health

**Identification of Genes in Filipino Subacute Sclerosing Panencephalitis (SSPE) Patients**  
University of the Philippines Manila - National Institutes of Health

**In vitro cytotoxicity and binding studies of Anti-TAG72 Immunoliposomes Loaded with Doxorubicin**  
University of the Philippines Diliman

**Pharmacokinetics and Pharmacodynamics of HCC49 Immunoliposomes in Nude Mice**  
University of the Philippines Diliman

**Production of Probes and Antigens (Project 1)**  
St. Luke’s Medical Center

**Screening for Immunodulatory and Anti-cancer Activities of Herbal Extracts from IB-UPD and Other External Sources**  
University of the Philippines Diliman

**Standardization and Chemical Profiling of Medicinal Plants**  
Ateneo de Manila University

**Technology Generation for the Production of Multi-Nutrient Growth Mix**  
Department of Science and Technology - Food and Nutrition Research Institute

**The Pan-Asia SNP (Single Nucleotide Polymorphism) Initiative**  
University of the Philippines Manila

**The Prevalence of CYP2D6 Gene Polymorphisms Among Filipinos and their Use as Biomarkers for Cancer Risk Among those with Lung Cancer**  
University of the Philippines Manila

**A Web-based Interactive Genome Library for the Surveillance, Detection, Characterization and Monitoring of Influenza Virus Infection in the Philippines**  
University of the Philippines Manila - National Institutes of Health

**Bioavailability of Iron, Zinc, and Calcium from Malunggay Leaves and Fruit: An In vitro Assessment**  
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St. Luke’s Medical Center

**Dietary Fiber Composition and Dietary fiber characteristics of Malunggay Leaves**  
Department of Science and Technology - Food and Nutrition Research Institute

**Effect of Aqueous *Quassia amara* L. leaf extract on the Behavior, Locomotion and coordination of Albino rats**  
University of the Philippines Manila

**Effect of Aqueous *Quassia amara* L. leaf extract on the Cardiovascular and Respiratory Functions of Male Sprague-Dawley rats**  
University of the Philippines Manila

**Establishing the Biofunctional Activities of Combined Formulation of *Sampung Halamang Gamot***  
University of the Philippines Manila

**Evaluation of the Safety and Health Potentials of Bawang and Ampalaya in Hypertension and Type 2 DM through Metabolic Profiling**  
University of the Philippines Manila

**Determination of Normative Reference for the Definition of Sarcopenia Among Filipinos**  
University of the Philippines Manila

**Generation of Recombinant Humanized Single-chain Fv (ScFv) targeted to TAG72 for the Construction of Immunoliposomes**  
University of the Philippines Diliman

**High Throughput Simultaneous Detection of Waterborne Parasitosis from Household, Recreational and Environmental Water Samples Using Microarray Technology**  
University of the Philippines Manila - National Institutes of Health

**Identification of Genes in Filipino Subacute Sclerosing Panencephalitis (SSPE) Patients**  
University of the Philippines Manila - National Institutes of Health

**In vitro cytotoxicity and binding studies of anti-TAG72 immunoliposomes loaded with doxorubicin**  
University of the Philippines Diliman

**Pharmacokinetics and Pharmacodynamics of HCC49 Immunoliposomes in Nude Mice**  
University of the Philippines Diliman

**Production of 1 Million Ovi/Larvicidal Trap Kits for Aedes Mosquito for Distribution to the Department of Education (Project 1)**  
Department of Science and Technology - Industrial Technology Development Institute

**Production of Probes and Antigens (Project 1)**  
St. Luke’s Medical Center

**Roll-out of Ovicidal/Larvicidal Trap System for Aedes Mosquito**  
Department of Science and Technology - Industrial Technology Development Institute

**Screening for Immunodulatory and Anti-cancer Activities of Herbal Extracts from IB-UPD and Other External Sources**  
University of the Philippines Diliman

**Seasonal Fluctuations of dengue Vectors in Selected Endemic Areas in the Philippines**  
Research Institute for Tropical Medicine

**Standardization and Chemical Profiling of Medicinal Plants**  
Ateneo de Manila University

**The Efficacy of Malunggay Leaves Sprinkle in Improving the Iron, Vitamin A, B Vitamins and Calcium Status of 8-10 year old Schoolchildren**  
Department of Science and Technology - Food and Nutrition Research Institute

**The Pan-Asia SNP (Single Nucleotide Polymorphism) Initiative**  
University of the Philippines Manila

**The Prevalence of CYP2D6 Gene Polymorphisms Among Filipinos and their Use as Biomarkers for Cancer Risk Among those with Lung Cancer**  
University of the Philippines Manila

**Technology Generation for the Production of Multi-Nutrient Growth Mix**  
Department of Science and Technology - Food and Nutrition Research Institute

REGIONAL PROJECTS

COMPLETED

**Evaluation of the functionality of the health care delivery referral system**  
De La Salle Health Sciences Institute

**Improving Enrolment Practices of LGU’s in the Sponsored Programs of PHIC in Region 2**  
St. Paul University

**Microbial Analysis on the Quality of Drinking Water Sources in Metro Santiago**  
University of La Salette

**PNDF- A Nationwide Assessment of its Two Decades of Implementation and Impact in the Public Health Sector**  
De La Salle Health Sciences Institute

**Prevalence of Zinc Deficiency Among Type II Adult Diabetic Patients in FEU-NRMF Medical Center: A Cross Sectional Study**  
Far Eastern University - Dr. Nicanor Reyes Medical Foundation

ONGOING

**A Gastropod Survey and Geographical Distribution of Snail Vectors of Schistosomiasis in Talacogon, Agusan del Sur, Philippines**  
Caraga State University

**Adequacy of Philhealth Insurance Case Rate Coverage for Medicines in Pediatric Patients with Pneumonia Admitted in a Government Hospital**  
San Pedro College and Southern Philippines Medical Center

**AMP-Protein Kinase Activity of Selected Philippine Plants with Known Anti-Diabetic Property**  
University of Santo Tomas

**Association Between Tumor Necrosis Factor-Alpha-308 G/A Polymorphism and Chronic Obstructive Pulmonary Disease in Patients of the University of Santo Tomas Hospital**  
University of Santo Tomas

**Bioluminescent Enzyme Immunoassay for the Rapid and Specific Detection of Rabies Virus**  
Far Eastern Univeristy - Dr. Nicanor Reyes Medical Foundation

**Bioluminescent Enzyme Immunoassay for the Rapid and Specific Detection of Rabies Virus**  
Far Eastern Univeristy - Dr. Nicanor Reyes Medical Foundation

**Demographic Variables and Child Caring Practices of Less Fortunate Households in Relation to Child Morbidity and Mortality Rate in the Selected Cities in Region X**  
Mountain View College

**Exclusive Breastfeeding Among Selected Communities in Zamboanga City**  
Western Mindanao State University

**Factors Affecting Availment of Mother and Child Care Program in Region 1**  
Pangasinan State University Bayambang Campus

**Health Mapping of Selected Heavily Commercialized Agriculture Areas in Bukidnon**  
Mountain View College

**In Vitro study of the Potential Anti-microbial properties of “Moti-Moti”**  
San Pedro College

**Impact of Devolution in the Delivery of Health Services in Region 1**  
Don Mariano Marcos Memorial State University

**Impact of Tropical Typhoon Sendong on Iligan Survivors: Groundwork for Mitigation and Adaptation Programs with Emphasis on Health**  
Iligan Medical Center College

**Linking the Epidemiology of Dengue Fever to Climatic Variability, Population Density and Social Dynamics in Southern Mindanao**  
Davao Medical School Foundation

**The Safety and Efficacy of 595-nm Pulsed Dye Laser with Tazarotene 0.05% Gel versus Tazarotene 0.05% Gel alone in the Treatment of Nail Psoriasis among Filipino Patients in Southern Philippines Medical Center: A Randomized, Single-blind, Inpatient, Left-to-Right Study**  
Southern Philippines Medical Center

**Risk Factors for Pre-eclampsia Among Pregnant Women in Four Districts Health Centers in Surigao, Del Sur**  
Surigao Education Center

**Utilization of “Red” and “Native” Guava Genotypes in the Formulation of Antimicrobial Products**  
Lyceum Northwestern University

NEW

**The Efficacy and Safety of Spirulina Supplementation in the Treatment of Iron Defeciency Anemia in Pre School-Age Children: A Randomized Controlled Trial**  
Mariano Marcos Memorial Hospital and Medical Center



**Child Abuse Victims Seen at MMMHMC Woman and Child Protection Unit: An Depth Clinical Study**  
Mariano Marcos Memorial Hospital and Medical Center

**The Anti-Hyperglycemic Properties of the Ethyl Acetate and Hexane Extracts from Kondol Leaves (*Benincasa hispida* Cogniaux)**  
Angeles University Foundation

**Kinect-Operated Bed: Innovative Posture Detection and Bedsores Preventing Device**  
Systems Plus College Foundation

**Efficacy of Mandibular Advancement Device in the Treatment of Obstructive Sleep Apnea Syndrome among Filipinos: A Pilot Study**  
Mariano Marcos Memorial Hospital and Medical Center

**The Validity of HBA1C in the Diagnosis of Type 2 Diabetes Mellitus among Individuals at Risk Seen in the Outpatient Clinics of DLSU Medical Center: A Cross-Sectional Study**  
De La Salle Health Sciences Institute

**The Effectivity of *Theobroma cacao* L. Seeds, Pulp, & Seed Pod Extract in Inhibiting Tumor Cell Formation**  
Cagayan State University

**The Effectiveness of *Theobroma cacao* L. Seeds, Pulp, and Seed Hull Extract as an Agent against *Salmonella typhi***  
Cagayan State University

**The Validity of hba1c in Diagnosis of Type 2 Diabetes Mellitus among Individuals at Risk Seen in the Outpatient Clinics of DLSU Medical Center: a Cross-Sectional Study**  
De La Salle Health Sciences Institute

**Health-Risking Social Behaviors, Protective Factors, and Mental Health among Adolescents: Basis for School-Based Mental Health Program**  
De La Salle Health Sciences Institute

**Essential Intrapartum and Newborn Care Implementation In Marinduque**  
Marinduque State College

**Essential Intrapartum and Newborn Care Implementation In Romblon**  
Romblon State University

**Essential Intrapartum And Newborn Care Implementation In Occidental Mindoro**  
Occidental Mindoro State College

**Essential Intrapartum And Newborn Care Implementation In Oriental Mindoro**  
Mindoro State College of Agriculture and Technology

**Development of Food Products from *Moringa oleifera* (Malunggay), *Zingiber officinale* (Ginger) & Coconut Flour**  
Marinduque State College

**Characterization and Toxicological Evaluation Of Guyabano (*Annona muricata*) Leaf Extract**  
Bicol University - Tabaco Campus

**ICT Needs Assessment of Rural Health Units in Zamboanga Peninsula**  
Western Mindanao State University

**Clinical and Metabolic Profile of Male-to-Female Transgender in Zamboanga City**  
Zamboanga City Medical Center

**Health Insurance Enrollment Coverage among Informal Workers of Organized Groups in Zamboanga**  
Western Mindanao State University

**Screening of Immunomodulatory Activity of *Canarium ovatum* Ethanolic Pulp Extract**  
Bicol University

**Demographic Variables & Child Caring Practices of Less Fortunate Households in Relation to Child Morbidity and Mortality Rate in the Selected Cities in Region X**  
Mountain View College

**Health Mapping of Selected Heavily Commercialized Agriculture Areas in Bukidnon**  
Mountain View College

**Impact of Tropical Typhoon Sendong on Iligan Survivors: Groundwork for Mitigation & Adaptation Programs with Emphasis on Health**  
Iligan Medical Center College

**Health Services Utilization and Customer Satisfaction in the Inter Local Health Zones in Lanao del Norte, Region X**  
Mindanao State University

**Utilization of Health Information for Policy Formulation, Priority Setting & Resource Allocation in Iligan City & Oroquieta Interlocal Health Zones to meet National Health Goals**  
Mindanao State University - Iligan Institute of Technology

**Child Labor in Dump & Quarry Sites of Key Cities in Region X: Effects on Physical Health of Working Children**  
Mindanao State University

**Indigenous Knowledge Management on Medicinal Plants & Animals for Maternal & Child Care among the Mamanuas in Lake Mainit, Surigao del Norte.**  
Mindanao State University

**Mosquito Larvicidal Activity of *Eucalyptus deglupta* Crude Extract and Analysis of its Bioactive Compounds**  
Partido State University

**Capacities & Needs Assessment for Health Emergency Management among Conflict-affected and Disaster-prone LGUs Along the Ligawasan Biodiversity Wetlands Reserve (LBWR)**  
Mindanao State University - General Santos City

HEALTH SYSTEM RESEARCH  
MANAGEMENT PROGRAM

COMPLETED PROJECT

**Achievement of the MDGs in KP Context: A Review of Current Evidence**  
**Assessment of the 2012 Policy, Planning, Research & Legislative (PPRL) Fellowship Program of the DOH**  
**Development of Harmonized Monitoring and Evaluation for DOH**  
Advocates for Development Management and Sustainability Health System Research Management in the DOH Website Development

**Impact Evaluation and Monitoring of the Cheaper Medicines Act of 2008**  
Rainiers Research and Development Institute Inc.

**Institutional Strengthening of PITAHC as DOH Research Arm for Traditional & Alternative Medicine**  
Ateneo de Manila University

**Medium Term Health Research Agenda Setting**  
Alliance for the Improvement of Health Outcomes, Inc.

**Sustaining KP Operations Monitoring at the DOH**  
University of the Philippines Diliman

**Support to Young Adult Fertility Survey 4**  
University of the Philippines Diliman

**Technical Consultancy to Sec Ona- Research Translation to Health Policy**  
University of the Philippines Manila

ONGOING PROJECT

**Actual Out-of-Pocket (OOP) Expenditure of Households for Health Care Services and Health-Related Products & Activities**  
Ateneo de Manila University

**A Cohort Study and Implementation Research on the Use of Subdermal Implants as a New Family Planning Program Method of the Department of Health**  
**UPecon Foundation**  
University of the Philippines Diliman

**A Study of the Death Certification and Registration Process in Selected Areas and Sector**  
University of the Philippines Manila

**Assessment of Health Workforce Service Capacities within a Service Delivery Network (SDN)**  
University of the Philippines Manila

**Financial Monitoring and Evaluation of Department of Health Hospitals 2009-2013**  
Ms. Maria Hilda Resurreccion

**Determinants of Rural Retention of Human Resources for Health**  
University of the Philippines Manila

**Development of Client Satisfaction Tool for DOH Hospitals**  
University of the Philippines Manila

**Evaluation of Health Promotion Interventions in Different Settings: An Assessment of the Red Orchid Awards for Local Government Units**  
University of the Philippines Manila

**Health Seeking Behavior of National Household Tracking System (NHTS) Poor Families**  
Asian Eye Institute

**Improving Access to Medicines in the Philippines: A Cross-sectional Mixed-Methods Analysis of Geographic Accessibility and Availability of Private Generics Pharmacies**  
Advocates for Development Management and Sustainability Inc.

**Prevalence of Autism Spectrum Disorder (DSM V) Among Children Aged 16 to 36 Months in the Visayas**  
National Children’s Hospital

**Program Evaluation of Health Emergency Management Staff (HEMS)**  
University of the Philippines Manila

**Cancer Registration in the Philippines**  
Philippine Cancer Society

**Technical Assistance for Health Research Project for Policy Making and Standardization of Rehabilitation Program of Schizophrenic Patients as Part of Their Treatment (Camiguin)**  
National Mental Hospital

2014 REGISTERED RESEARCHES IN PHRR

CLINICAL TRIALS			
Public Title	Project Status	Implementing Agency	Funding Agency
A 12-week treatment, randomized, blinded, double-dummy, parallel-group study to assess the efficacy, safety, and tolerability of NVA237 (50 µg o.d.) compared to tiotropium (18 µg o.d.) in patients with chronic obstructive pulmonary disease (COPD)	Completed	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A 26-week treatment, randomised, double-blind, placebo-controlled, parallel group study to assess the efficacy, safety and tolerability of NVA237 (50 µg o.d.) in patients with chronic obstructive pulmonary disease	Completed	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A 52-week treatment, multi-center, randomized, doubleblind, double dummy, parallel-group, active controlled study to compare the effect of QVA149 (indacaterol maleate / glycopyrronium bromide) with salmeterol/fluticasone on the rate of exacerbations in subjects with moderate to very severe COPD	Ongoing	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A Blinded Extension to 5 Years of a Phase III Randomized, Placebo-Controlled Clinical Trial to Assess the Safety and Efficacy of Odanacatib (MK-0822) to Reduce the Risk of Fracture in Osteoporotic Postmenopausal Women Treated With Vitamin D and Calcium (MK-0822-018)	Ongoing	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
A Phase III, Randomized, Double Blind, Active Comparator-Controlled Parallel-Group Study, Conducted Under In-House Blinding Conditions, to Examine the Efficacy and Safety of a Single 150 mg Dose of Intravenous Fosaprepitant Dimeglumine for the Prevention of Chemotherapy-Induced Nausea and Vomiting (CINV) Associated With Moderately Emetogenic Chemotherapy (MK-0517-031)	Completed	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
A Phase III Clinical Trial to Study the Tolerability and Immunogenicity of V503, a Multivalent Human Papillomavirus (HPV) L1 Virus-Like Particle (VLP) Vaccine, in 16-to 26-Year-Old Men and 16-to 26-Year-Old Women.	Completed	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
A Long-Term Effectiveness, Immunogenicity, and Safety Study of GARDASIL™ (Human Papillomavirus [Types 6,11,16,18] Recombinant Vaccine) in Young Men	Ongoing	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
A Study to Test the Safety and Effectiveness of MK0906A (Finasteride) and Tamsulosin Taken Either Together or Alone in Patients with Benign Prostatic Hyperplasia (MK-0906A-149)	Terminated	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines

A multi-center, randomized, double-blind, active-controlled, 8-week study to evaluate the efficacy and safety of LCZ696 in comparison to olmesartan in patients withessential hypertension	Ongoing	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
An Observational Follow-Up Study for: A Phase III Randomized, Placebo-Controlled Clinical Trial to Assess the Safety and Efficacy of Odanacatib (MK-0822) to Reduce the Risk of Fracture in Osteoporotic Postmenopausal Women Treated With Vitamin D and Calcium (Protocol 018) (MK-0822-083)	Ongoing	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
Comparison of TAK-875 With Sitagliptin When Used in Combination With Metformin in Patients With Type 2 Diabetes	Terminated	Takeda Global Research and Development Center	Takeda Global Research and Development Center
VESTRI A 6-month safety and benefit study of inhaled fluticasone, propionate/ salmeterol combination versus inhaled fluticasone, propionate in the treatment of 6,200 pediatric subjects 4-11 years old with persistent asthma	Ongoing	GlaxoSmithKline USA	GlaxoSmithKline USA
AUSTRI A Safety and Efficacy Study of Inhaled Fluticasone, Propionate/Salmeterol Combination versus Inhaled Fluticasone Propionate in the Treatment of Adolescent and Adult Subjects with Asthma	Ongoing	GlaxoSmithKline USA	GlaxoSmithKline USA
A Phase II/ III study of aH5N1 Vaccine in healthy subjects 6-<18 yrs	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A 12-Month Open-Label Study to Evaluate the Safety and Tolerability of Pregabalin as Adjunctive Therapy in Pediatric Subjects 1 Month to 16 Years of Age with Partial Onset Seizures and Pediatric and Adult Subjects 5 To 65 Years of Age with Primary Generalized Tonic-Clonic Seizures	Ongoing	Pfizer Inc.	Pfizer Inc.
A Phase III Multicenter, Double Blind, Randomized, Placebo-Controlled Clinical Trial to Evaluate the Safety and Efficacy of MK-0431A XR (a Fixed Dose Combination Tablet of Sitagliptin and Extended-Release Metformin) in Pediatric Subjects with Type 2 Diabetes Mellitus with Inadequate Glycemic Control on Metformin Monotherapy (MK-0431A-289)	Ongoing	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
A Phase III, Multicenter, Double-Blind, Randomized Study to Evaluate the Safety and Efficacy of the Addition of MK-3102 Compared with the Addition of Sitagliptin in Subjects with Type 2 Diabetes Mellitus with Inadequate Glycemic Control on Metformin	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation



A Phase III, Multicenter, Randomized, Double-Blind Study to Evaluate the Efficacy and Safety of MK-3102 Versus Placebo in Subjects with Type 2 Diabetes Mellitus with Moderate or Severe Chronic Kidney Disease or Kidney Failure on Dialysis Who Have Inadequate Glycemic Control	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation
A randomized, 8-week, double-blind, parallel-group, active-controlled, multicenter study to evaluate the efficacy and safety of LCZ696 200 mg in comparison with olmesartan 20 mg treatment	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
An 8-week randomized, double-blind, placebo-controlled factorial study to evaluate the efficacy and safety of LCZ696 alone and in combination with amlodipine in patients with essential hypertension	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
An open-label, long term (52 week) extension study to evaluate the safety, tolerability, and efficacy of treatment with LCZ696 monotherapy and LCZ696 in combination with amlodipine in patients with essential hypertension	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A three-year extension study to evaluate the long term efficacy, safety and tolerability of secukinumab in patients with active psoriatic arthritis	Ongoing	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A Study to Assess Different Diagnostic Criteria of Chronic Constipation in Asia	Ongoing	Janssen Pharmaceuticals, Inc.	Janssen Pharmaceuticals, Inc.
Ozurdex DME Study 206207-026	Pending	Allergan Healthcare Philippines, Inc.	Allergan Healthcare Philippines, Inc.
OMNEON A Multicenter, Phase III, Randomized, Placebo-Controlled Trial to Assess the Safety and Efficacy of MK-3102 Monotherapy in Subjects with Type 2 Diabetes Mellitus and Inadequate Glycemic Control	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation
A Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Assess Cardiovascular Outcomes Following Treatment with MK-3102 in Subjects with Type 2 Diabetes Mellitus	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation
MetMab Lung	Ongoing	Roche (Philippines), Inc.	F. Hoffmann-La Roche Ltd.
A 12-month, phase III, randomized, double-masked, multicenter, active-controlled study to evaluate the efficacy and safety of two individualized regimens of 0.5 mg ranibizumab vs. verteporfin PDT in patients with visual impairment due to choroidal neovascularization secondary to pathologic myopia (Brilliance)	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.

A Randomized, Double-Blind, Parallel-Group, Placebo-Controlled Study of SM-13496 for the Treatment of Bipolar I Depression	Ongoing	Dainippon Sumitomo Pharma Co. Ltd.	Dainippon Sumitomo Pharma Co. Ltd.
A Long-Term Study of SM-13496 in Patients with Bipolar I Disorder	Ongoing	Dainippon Sumitomo Pharma Co. Ltd.	Dainippon Sumitomo Pharma Co. Ltd.
A Dose-Blinded, 2-Dose Level, Parallel-Group, Multicenter, Long-Term Extension Study to Evaluate the Long-Term Safety, Efficacy, and Immunogenicity of BIIB023 in Subjects with Lupus Nephritis	Ongoing	Biogen Idec Research Limited	Biogen Idec Research Limited
A Phase 3 Randomized, Double-blind Study of PF-05280014 Plus Paclitaxel Versus Trastuzumab Plus Paclitaxel for the First-line Treatment of Patients with Her2-positive Metastatic Breast Cancer	Ongoing	Pfizer Inc. - USA /and/ ICON Clinical Research Services Inc.	Pfizer Inc.
Safety and Immunogenicity of a Four Influenza Vaccines in Children Ages 6 Months Old to Less Than 4 Years Old	Ongoing	Novartis Vaccines and Diagnostics	Novartis Vaccines and Diagnostics
Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Assess Cardiovascular Outcomes Following Treatment With Ertugliflozin (MK-8835/PF-04971729) in Subjects with Type 2 Diabetes Mellitus And Established Vascular Disease	Pending	Pfizer Inc. - USA	Pfizer Inc.
Efficacy and Immunogenicity Study of Quadrivalent Influenza Vaccine Administered via the Intramuscular Route in Healthy Children Aged 6 to 35 Months	Ongoing	Sanofi Pasteur	Sanofi Pasteur
A Phase 3 Clinical Trial to Study Short Duration Versus Standard Response-Guided Therapy with MK-3034 (SCH 503034)/Boceprevir Combined with PegIntron and Ribavirin in Previously Untreated Non-Cirrhotic Subjects with Chronic HCV Genotype 1 in Asia	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation
A Randomized, Double-Blind, Placebo-Controlled Phase 2/3 Study To Evaluate The Efficacy And Safety Of Blisibimod Administration In Subjects With IgA Nephropathy	Ongoing	Anthera Pharmaceuticals, Inc. /and/ Pacific Clinical Research Pte. Ltd.	Anthera Pharmaceuticals, Inc.
A randomized, double-blind, placebo-controlled, parallel group, multi-center trial of pregabalin as adjunctive therapy in pediatric and adult subjects with primary generalized tonic-clonic seizures	Ongoing	Pfizer Inc.	Pfizer Inc.
INTEREST in CD2	Ongoing	Ipsen Pharma SAS	Ipsen Pharma SAS
A 6-Week Randomized, Parallel, Double-Blind, Placebo-Controlled, Fixed-Dose, Multicenter Study to Evaluate The Efficacy and Safety of Lurasidone in Adolescent Subjects with Schizophrenia	Ongoing	Sunovion Pharmaceuticals Inc.	Sunovion Pharmaceuticals Inc.
Reduced-dosed rivaroxaban in the long-term prevention of recurrent symptomatic VTE	Ongoing	Bayer Healthcare AG	Bayer Healthcare AG

A 104-Week, Flexible-Dose, Open-Label, Multi-center, Extension Study to Evaluate the Long-Term Safety and Effectiveness of Lurasidone in Pediatric Subjects with Schizophrenia and Subjects with Irritability Associated with Autistic Disorder	Pending	Sunovion Pharmaceuticals Inc.	Sunovion Pharmaceuticals Inc.
A Randomized, Placebo-controlled Double-blind, Multicenter, Phase 2 Dose Ranging Study To Assess The Efficacy And Safety of CNT06785 In Subjects With Active Rheumatoid Arthritis Despite Methotrexate Therapy	Ongoing	Janssen Research and Development LLC	Janssen Research and Development LLC
A Randomised, Double-Blind, Parallel Group, Multicentre Clinical Study to Evaluate the Efficacy, Safety, Pharmacokinetics and Immunogenicity of SB2 Compared to Remicade in Subjects with Moderate to Severe Rheumatoid Arthritis despite Methotrexate Therapy.	Ongoing	Samsung Biopharm Co. Ltd.	Samsung Biopharm Co. Ltd.
A Phase III Randomised, Double-Blind, Parallel Group, Multicentre Study to Compare the Efficacy, Safety, Pharmacokinetics and Immunogenicity between SB3 (proposed trastuzumab biosimilar) and Herceptin in Women with Newly Diagnosed HER2 Positive Early or Locally Advanced Breast Cancer in Neoadjuvant Setting	Ongoing	Samsung Biopharm Co. Ltd.	Samsung Biopharm Co. Ltd.
A Phase 3 Randomized Double-blind Study Comparing TR-701 FA and Linezolid in Ventilated Gram-positive Nosocomial Pneumonia	Pending	Trius Therapeutics, Inc.	Trius Therapeutics, Inc.
This is a Multinational Study Comparing the Efficacy and Safety of Two Medicines, Solifenacin Succinate and Mirabegron Taken Together, or Separately, or a Mock Treatment (Placebo) in Subjects With Symptoms of Overactive Bladder	Ongoing	Astellas Pharma Europe B.V.	Astellas Pharma Europe B.V.
THEMIS	Pending	AstraZeneca Pharmaceuticals (Philippines) Inc.	AstraZeneca AB
Kaitlin	Pending	Roche (Philippines), Inc.	Roche (Philippines), Inc.
A randomized double-masked, phase III study assessing ranibizumab intravitreal injections versus sham control in patients with visual impairment due to macular edema (ME) secondary to branch retinal vein occlusion (BRVO) [Blossom]	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A randomized double-masked, phase III study assessing ranibizumab intravitreal injections versus sham control in patients with visual impairment due to macular edema (ME) secondary to central retinal vein occlusion (CRVO) [Camellia]	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
Randomized, Double-Masked, Vehicle Controlled, Clinical Evaluation To Assess The Safety And Efficacy Of Nepafenac Ophthalmic Suspension, 0.3% For Improvement In Clinical Outcomes Among Diabetic Subjects Following Cataract Surgery	Ongoing	Alcon Research Ltd.	Alcon Research Ltd.

A Randomized, Open Label Phase III Study to Evaluate the Efficacy and Safety of Oral Afatinib (BIBW 2992) versus Intravenous Methotrexate in Patients with Recurrent and/or Metastatic Head and Neck Squamous Cell Carcinoma who have Progressed after Platinum-based Therapy	Ongoing	Boehringer Ingelheim Singapore, Pte. Ltd.	Boehringer Ingelheim Singapore, Pte. Ltd.
A 24 month, multicenter, randomized, open-label safety and efficacy study of concentration-controlled everolimus with reduced calcineurin inhibitor vs mycophenolate with standard calcineurin inhibitor in de novo renal transplantation- Advancing renal TRANSplant efficacy and safety Outcomes with an everolimus-based regimen (TRANSFORM)	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A multicenter, randomized, double-blind, placebo controlled phase III study to evaluate the efficacy, safety and tolerability of serelaxin when added to standard therapy in acute heart failure patients	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
Efficacy and Safety of Tedizolid Phosphate vs. Linezolid Phosphate in ABSSSI Patients	Ongoing	Bayer Philippines, Inc.	Bayer Healthcare AG
A Phase IIb, Multi-Center, Randomized, Double-Blind, Placebo-Controlled, Multidose, 24-Week Study to Evaluate the Efficacy and Safety of Atacicept in Subjects With Systemic Lupus Erythematosus (SLE)	Ongoing	Merck KGaA	Merck KGaA
Xarelto for Prevention of Stroke in Patients With Atrial Fibrillation in Asia (XANAP)	Ongoing	Bayer Philippines, Inc.	Bayer Philippines, Inc.
Efficacy And Safety Evaluating Study Of CT-P6 In Her2 Positive Early Breast Cancer	Pending	Celltrion Inc.	Celltrion Inc.
Study to Compare the Efficacy and Safety of Micafungin Versus Conventional Amphotericin B for the Treatment of Neonatal Candidiasis	Ongoing	National Institutes of Health - University of the Philippines - Manila, Institute of Child Health and Human Development	Astellas Pharma Global Development, Inc.
BOTOX® Treatment in Pediatric Lower Limb Spasticity: Double-blind Study	Terminated	Allergan Healthcare Philippines, Inc.	Allergan Healthcare Philippines, Inc.
BOTOX® Treatment of Pediatric Lower Limb Spasticity: Open-label Study	Pending	Allergan Healthcare Philippines, Inc.	Allergan Healthcare Philippines, Inc.
A randomized, double-blind, placebo-controlled, parallel group, multi-center trial of pregabalin as adjunctive therapy in pediatric and adult subjects with primary generalized tonic-clonic seizures.	Pending	Pfizer Inc. - USA	Pfizer Inc.
A Phase II, double-blind, controlled trial to assess the Safety and Immunogenicity of different schedules of Takeda's Tetravalent Dengue Vaccine Candidate (TDV) in healthy subjects aged between 2 and <18 years and living in dengue endemic countries in Asia and Latin America	Pending	Takeda Vaccines, Pte. Ltd.	Takeda Vaccines, Pte. Ltd.
MK-8835/PF-04971729 vs. Placebo in T2DM Subjects with Stage 3 Chronic Kidney Disease	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation



MK-8835/PF-04971729 vs. Glimepiride in T2DM Subjects on Metformin	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation
Effects of Canned Pineapple on Nutritional Status, Immunomodulation and Physical Health	Completed	The Philippine Women's University System - Manila	Del Monte Philippines, Inc.
A Phase IIb, Multi-Center, Long-Term Extension Trial to Evaluate the Safety and Tolerability of Atacicept in Subjects with Systemic Lupus Erythematosus (SLE) who Completed Protocol EMR-700461-023 (ADDRESS II)	Ongoing	Merck KGaA	Merck KGaA
A prospective, multicenter, comparative, open label, randomized phase III study to assess immunogenicity and safety of LBVP0101-01{fully liquid pentavalent vaccine, Diphtheria-Tetanus-whole cell Pertussis-Hepatitis B-Haemophilus influenzae type b(tetanus toxoid conjugate)} compared with Euforvac-HibTM {reconstituted pentavalent vaccine, Diphtheria-Tetanus-whole cell Pertussis-Hepatitis B and Haemophilus influenzae type b(tetanus toxoid conjugate)} in healthy infants	Ongoing	LG Life Sciences, Ltd.	LG Life Sciences, Ltd.
Effects of Nutrient-fortified Milk-based Formula on the Nutritional Status and Psychomotor Skills of Preschool Children	Completed	The Philippine Women's University System - Manila	Mead Johnson Nutrition (Philippines)
A Randomized, Double-blind, Event-driven, Placebo-controlled, Multicenter Study of the Effects of Canagliflozin on Renal and Cardiovascular Outcomes in Subjects With Type 2 Diabetes Mellitus and Diabetic Nephropathy	Ongoing	Janssen Research and Development LLC	Janssen Research and Development LLC
A Multinational Study Comparing The Long-term Efficacy And Safety Of Two Medicines, Solifenacin Succinate And Mirabegron Taken Together, Or Separately, Or A Mock Treatment (placebo) In Subjects With Symptoms Of Overactive Bladder (SYNERGY II)	Ongoing	Astellas Pharma Europe B.V.	Astellas Pharma Europe B.V.
A Clinical Trial To Evaluate Efficacy For Patients With Primary Liver Cancer Scheduled To Be Treated With Radiofrequency Ablation (RFA). This Study Will Compare RFA Plus An Investigational Drug Of Liposomal Doxorubicin Versus RFA Without Investigational Drug.	Pending	Celsion Corporation	Celsion Corporation
A Phase 3, Randomized, Double-Blind, Placebo Controlled Study Of The Efficacy And Safety Of FG-4592 For The Treatment Of Anemia In Chronic Kidney Disease Patients Not On Dialysis	Ongoing	FibroGen, Inc.	FibroGen, Inc.

MK-8835/PF-04971729 And Sitagliptin Co-administration Factorial Study	Ongoing	Merck Sharp & Dohme Corporation	Merck Sharp & Dohme Corporation
To Demonstrate Equivalence Of Pharmacokinetics And Noninferiority Of Efficacy For CT-P10 In Comparison With Rituxan (rituximab)	Pending	Celltrion Inc.	Celltrion Inc.
A Study Of PF-05280586 (Rituximab-Pfizer) Or MabThera® (Rituximab-EU) For The First-Line Treatment Of Patients With CD20-Positive, Low Tumor Burden, Follicular Lymphoma (REFLECTIONS B328-06)	Ongoing	Pfizer Inc. - USA	Pfizer Inc. - USA
Clinical Study To Evaluate The Safety, Immunogenicity And Efficacy Of Investigational Flu Vaccine Compared To Approved Flu Vaccine In Children	Pending	Novartis Healthcare Philippines, Inc.	Novartis Healthcare Philippines, Inc.
A Phase III Multicenter, Double-Blind, Randomized, Active Comparator-Controlled Clinical Trial to Evaluate the Safety and Efficacy of Reformulated Raltegravir 1200 mg Once Daily Versus Raltegravir 400 mg Twice Daily, Each in Combination With TRUVADA™, in Treatment-Naïve HIV-1 Infected Subjects	Ongoing	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines
A Randomized, Open Label, Phase III Study of Overall Survival Comparing Pembrolizumab (MK-3475) Versus Platinum Based Chemotherapy in Treatment Naïve Subjects With PD-L1 Positive Advanced or Metastatic Non-Small Cell Lung Cancer (Keynote 042)	Pending	Merck Sharp & Dohme (IA) Corp. Philippines	Merck Sharp & Dohme (IA) Corp. Philippines

## NON-CLINICAL TRIALS

Public Title	Project Status	Implementing Agency	Funding Agency
Evaluation of Dietary Service in Selected Hospitals in the Philippines	Completed	Food and Nutrition Research Institute, Department of Science and Technology	Department of Health Central Office
Baseline Research Study on the Occupational Diseases Among Workers in Public Healthcare Facilities and DOH Offices	Ongoing	University of the Philippines - Manila, College of Public Health	Philippine Council for Health Research and Development, Department of Science and Technology
Projected Impact of Mutual Recognition Agreements on the Philippine Health Care System	Completed	University of the East Ramon Magsaysay Memorial Medical Center, Graduate School	Department of Health, Health Human Resources Development Bureau
NHTS Health Seeking Behavior Study	Ongoing	Asian Eye Institute	Department of Health Central Office

State of the Art on Researches on Aging in the Philippines	Ongoing	National Institutes of Health - University of the Philippines - Manila, Institute on Aging	Philippine Council for Health Research and Development, Department of Science and Technology
Oral azoles for pityriasis versicolor	Ongoing	University of the Philippines - Manila, College of Medicine, Department of Clinical Epidemiology	Self-funded
Monitoring and Process Evaluation of the DOST PINOY (Package for the Improvement of Nutrition of Young Children)	Ongoing	Food and Nutrition Research Institute, Department of Science and Technology	Department of Science and Technology Regional Offices
Sustaining, Expansion and Advocacy of the FNRI Technology on Complementary Food Blends in the Regions	Ongoing	Food and Nutrition Research Institute, Department of Science and Technology	DOST Central Office
Medical Teleparasitology for Laboratory Diagnosis of Parasitic Infections in the Philippines	Ongoing	National Institutes of Health - University of the Philippines - Manila	Philippine Council for Health Research and Development, Department of Science and Technology
Exclusive Breastfeeding among Selected Communities in Zamboanga City	Ongoing	Western Mindanao State University - Main	Philippine Council for Health Research and Development, Department of Science and Technology
Health insurance enrollment coverage among informal workers of organized groups in Zamboanga	Ongoing	Western Mindanao State University - Main	Philippine Council for Health Research and Development, Department of Science and Technology
Effects of CYP2D6 Alleles on Plasma Endoxifen Levels of Breast Cancer Patients taking Adjuvant Tamoxifen	Ongoing	National Institutes of Health - University of the Philippines - Manila, Institute of Human Genetics	National Institutes of Health - University of the Philippines - Manila
Nutrient Composition of Popular Street Foods	Completed	The Philippine Women's University System - Manila	Department of Health Central Office
A Cohort Study and Implementation Research on the Use of Subdermal Implants as a New Family Planning Program Method of the Department of Health	Ongoing	UPecon Foundation, Inc.	Department of Health Central Office
Forensic DNA Analysis Procedures for Human Remains Identification	Ongoing	University of the Philippines - Diliman, Natural Science Research Institute, DNA Analysis Laboratory	Philippine Council for Health Research and Development, Department of Science and Technology

NHTS Health Seeking Behavior Study	Ongoing	Asian Eye Institute	Department of Health Central Office
Implementation And Evaluation Of The Proposed Model For Integrated Tuberculosis- Paragonimiasis Surveillance And Control In Zamboanga Del Norte, Philippines	Ongoing	University of the Philippines - Manila	Philippine Council for Health Research and Development, Department of Science and Technology
The Philippine Chronotype and Social Jetlag Survey	Ongoing	University of the Philippines Center for Integrative and Development Studies /and/ University of the Philippines - Manila, College of Public Health	University of the Philippines Center for Integrative and Development Studies /and/ Philippine Council for Health Research and Development, Department of Science and Technology
Anti-Diabetic Drugs from Philippine Plants	Ongoing	University of the Philippines - Diliman, Institute of Chemistry	DOST Central Office
Standardized eanti-hypertensive extracts from Moringa oleifera	Ongoing	University of the Philippines - Diliman, Institute of Chemistry	Philippine Council for Health Research and Development, Department of Science and Technology
Anti-inflammatory and Anti-Pain Agents from Plants	Ongoing	University of the Philippines - Diliman, Institute of Chemistry	Philippine Council for Health Research and Development, Department of Science and Technology



ACCELERATED SCIENCE  
AND TECHNOLOGY  
HUMAN RESOURCE  
DEVELOPMENT  
PROGRAM (ASTHRP)  
SCHOLARS

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*PhD Molecular Biology & Biotechnology*  
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*PhD Plant Biology, Magna Cum Laude*  
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**Corcolon, Elvira**

*PhD Botany*  
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**Legaspino, Requel**

*PhD Biology*  
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*Medical Microbiology*  
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**Bondoc, Jonah Longno**

*Environmental Science*  
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**Bonifacio, Julie Chairmain Oca**

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**Cruz, Merlyn**

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**Cuarto, Ceazar Ryan Umali**

*Chemistry*  
University of Santo Tomas

**Dalet, Jay Tuason**

*Biochemistry*  
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**De Jesus, Editha Evea**

*Biological Sciences*  
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**Maramag, Cherry Cristobal**

*Epidemiology*  
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**Miranda, Sheila De Vera**

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**Obusan, Marie Christine Merca**

*Environmental Science*  
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**Ongpoy, Romeo Capistrano JR**

*Pharmacy*  
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**Oruga, Myra De la Pena**

*Health Promotion and Education*  
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**Osillos, Precelita Liwag**

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**Pastor, Christ John Mejia**

*Biochemistry*  
University of the Philippines Manila

**Quezon, Mayrose Lilagan**

*Pharmacy*  
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**Ramirez, Ma. Anna Rita Marfil**

*Nutrition*  
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**Sabinay, Stephen Gubac**

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**Safra, Sheila Arelli Garcia**

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**Sucol, Yusuf Abe**

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**Talavera, Maria Theresa Madrid**

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**Varona, Gracia Fuentes**

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DOCTORAL DEGREE

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**Ballad, Charisse Gennevieve**

*MS Tropical Medicine*  
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*MS Biochemistry*  
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**Fernandez, Eisha Vienna**

*MS Biological Sciences*  
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**Loquere, Christina**

*MS Chemistry*  
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**Posadas, John Joseph**

*MS Asian Health Practices*  
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ONGOING

**Angeles, Junlie Marie Resultay**

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**Arago, Alyssa Gaye Reynoso**

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**Arbis, Eugene Matildo**

*Epidemiology*  
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**Arceo, Richard Castro**  
*Molecular Medicine*  
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**Arimado, Joshua Banaria**  
*Pharmacy*  
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**Arvesu, Vermont Estrada**  
*Pharmacology*  
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**Babasa, Ace Lennon Natal**  
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**Bacay, Brian Acosta**  
*Parasitology*  
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**Bayona, Princess Wendy Andaya**  
*Molecular Medicine*  
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**Barbas, Lord Ryan Damian**  
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**Barile, Monique Desamero**  
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University of the Philippines Manila

**Banzon, Joseph Joy Gozon**  
*Medical Technology*  
University of Santo Tomas

**Bautista, Eva Ilagan MD**  
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**Bautista, Felix Calabines Jr**  
*Environmental Science*  
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**Bautista, Tomas Dumagpi MD**  
*Clinical Epidemiology*  
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**Bayna, Recylyn Isureta**  
**Applied Nutrition**  
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**Bernabe, Enrique-Rene Gacho**  
*Pharmacy*  
University of Santo Tomas

**Buhain, Rose Mabelle Clemente**  
*Epidemiology*  
University of the Philippines Manila

**Cabanilla, Carl Vincent Duran**  
**Chemistry**  
University of the Philippines Diliman

**Cabral, Loraine Kay Dela Rosa**  
**Molecular Medicine**  
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**Caburatan, Lorrene Cabanug**  
*Biology*  
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**Chi, Jean Pauline Cordes**  
*Asian Health Practices*  
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**Calibjo, Hartzell Mariano**  
*Epidemiology*  
University of the Philippines Manila

**Cochon, Kim Lim**  
*Biostatistics*  
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**Cristobal, Catherine Coronel**  
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**Cruz, Mardonie Dominguez**  
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**Cu, Richel Erin Bismonte**  
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**David, April Joy Guerrero**  
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**De Jesus, Christopher Carlos**  
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**De la Cruz, Ane Castro**  
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**Dimafelix, Paul Raymond Santos**  
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**Estrella, Emmanuel Pantaleon**  
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**Espaldon, Marya Laya Ortega**  
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**Fajardo, Lindsay Sydney Nano**  
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**Gestuveo, Rommel Jalbuna**  
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**Javier, Anna Katrina Aquino**  
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**Lamac, Maria Ruby Lamboto**  
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**Landicho, Shenjira, Arnobit**  
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**Lawag, Ivan Lozada**  
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**Llido, John Paul Sumacolob**  
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**Malenab, Ma. Charisma Tamayo**  
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**Manansala, Teddy Sinsoa**  
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**Mendoza, Lei Lanna Colle**  
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**Otero, Maria Catherine Bernolo**  
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**Pagarigan, Geraldine Falgui MD**  
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**Romero, Daryl Colanta**  
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**Tamayo, Diane Rollo**  
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**Uy, Elenore Judy Bungcasan MD**  
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**Fabella, Terence Diane Ferranco**  
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**Franks, Wally Bulawan**  
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**Furia, April Dyan Radaza**  
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**Guzman, Mariane Amparo Peren**  
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**Macatangay, Sheila Hidalgo**  
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**Malonzo, Charmaine Ardales**  
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**Manuel, Kaycee Gamohay**  
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**Mendoza, Nikki Yvette Baldonado**  
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**Mondres, Teddy Roowell Umbao**  
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**Monlinong, Jason Paul Calonge**  
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**Morales, Lyndon Dela Cruz**  
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**Moria, Francis Garabiles**  
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**Nogrado, Kathyleen Sumilang**  
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**Oco-Panganiban, Maria Michelle Joy Perez**  
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**Pelgone, Alfons Jayson Orbase**  
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**Placino, Catherine Jane San Miguel**  
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**Pontillas, Shienna Marie Abraham**  
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**Racadio, Charles Darwin Trono**  
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**Reyes, Jerica Isabel Llige**  
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**Reyes, Kristine Malang**  
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**Roa, Marylette Bautista**  
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**Romero, Emily Vargas**  
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University of the Philippines Los Baños

**Rosario, Mary Rose Dilag**  
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**Rubian, Fjorda Kim Rosinto**  
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**Salvoza, Noel Calumno**  
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**Sayson, Alton John Tumampo**  
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**Serdina, Jan Michael Bastillo**  
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**Solana, Marikka Thaenia Villafuerte**  
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**Soldium, Andrew James Apolonio**  
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**Soriano, Simonette Cordero**  
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**Tayco, Crimson Condes**  
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**Toledo, Franklin Ugsod**  
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**Tradio, Marcelino Jr. Dela Rama**  
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University of San Carlos

**Tuballes, Rehjin Lumogda**  
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**Tun, Jortan Oste**  
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**Uy, Hilda Talavera**  
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**Verzosa-Canta, Cynthia Villarama**  
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**William, Karmille Allyson Dangcil**  
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**Zimmer, Mary Christine Go**  
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THESIS & DISSERTATION GRANTEES

**Briones, Jonathan Carlo**  
*MS Biological Sciences*  
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**Javier, Maria Catherine Jane**  
*MS Pharmacology*  
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**Macawile, Janet**  
*PhD Biology*  
De La Salle University

**Maypa, Alfie Dominic**  
**MS Medial Technology**  
University of Santo Tomas

**Palmares, Aaron Jan**  
*MS Medical Technology*  
University of Santo Tomas

REGIONAL TRAININGS,  
SEMINARS AND  
WORKSHOPS

**JPI Session 4: Methods of Presenting Data**  
University of the Philippines Manila  
January 3, 2014

**JPI Session 5: Data Entry using Epi-Info, MS Excel**  
University of the Philippines Manila  
January 10, 2014

**Forum on Intellectual Property Rights Protection**  
Cagayan de Oro City  
January 16, 2014

**5th National Medical Writing and Peer Review Workshop**  
Taal Vista Hotel, Tagaytay City  
January 23-24, 2014

**Health Research Forum: Updates on Dengue Research**  
Cebu Institute of Medicine  
January 24, 2014

**Module 3 (HPA & SPI): Writing and Presenting Research Papers Effectively**  
University of the Philippines Manila  
February 12-14, 2014

**JPI Session 6: Data Management (Data Processing) using Epi-Info and MS Excel**  
University of the Philippines Manila  
February 19, 2014

**JPI Session 7: Concepts of Statistical Inference (Estimation and Hypothesis Testing)**  
University of the Philippines Manila  
**March 7, 2014**

**Regional Workshop on Health Research Priority Setting (Cebu)**  
DOST 7 Lahug S&T Complex, Cebu City  
March 10, 2014

**Special Lecture on Tables and Graphs for the SPIs and HPAs**  
University of the Philippines Manila  
March 27, 2014

**Conduct of lecture on the Awareness of Spread of dengue and Issues on Indigenous Plants in Medicinal Research**  
PSTC Basco, Batanes  
April 2, 2014

**Regional Workshop on Health Research Priority Setting (Bohol)**  
DOST PSTC-Bohol, Tagbilaran City  
April 11, 2014

**MHRDC Strategic Planning Workshop**  
New Camelot Hotel, Quezon City  
April 15-16, 2014

**Workshop for Applied Ethics in Research (Basic Course)**  
Dipolog City  
May 7-8, 2014

**Regional Health Research Summit**  
Leyte Normal University (LNU), Tacloban City  
May 14, 2014

**2nd CVCHRD Research Forum**  
Cebu Institute of Medicine  
May 22-23, 2014

**PHREB Accreditation Orientation/Training**  
National Kidney Transplant Institute, Quezon City  
June 1, 2014

**1st Multidisciplinary Research Forum**  
De La Salle Health Science Institutute, Cavite  
June 5, 2014

**First Health Research Contest**  
Liceo de Cagayan University, Cagayan de Oro City  
June 13, 2014

**Training on Ethics in Health Research**  
Playa Tropical Resort, Currimao Ilocos Norte  
June 18-19, 2014

**Basic Health Research Ethics Training**  
Bicol University, Legazpi City  
June 24-25, 2014

**HERDIN and NorMinCoHRD Website Content Uploading Training**  
Mindanao University of Science and Technology, Cagayan de Oro City  
June 30-July 1, 2014

**Training Workshops for the Members of the Technical Review Boards of the Regional Health Research and Development Consortia (RHRDCs)**  
Manila Manor Hotel, Manila  
June 30-July 2, 2014

**Significance of Indigenous Plants in Drug Discovery Controversies in the Use of Herbal Drugs Understanding the Importance of Experimental Animals in Biomedical/Herbal Research**  
Fort Ilocandia Resort Hotel, Laoag City  
June 26, 2014

**Why Publish: The Importance of Reporting New Science, Getting Started: Writing The Introduction Describing Methods & Reporting Results Writing an Effective Discussion Responsibilities of Authorship Pythochemical Analysis: Method of Extraction Identification of Compounds by HPLC/TLC Use of MS in Herbal Research**  
Fort Ilocandia Resort Hotel, Laoag City  
June 27, 2014

**R1HRDC-RUC 2014 Regional Research Contest, Exhibit Caravan and Dissemination Forum**  
Don Mariano Marcos Memorial State University, Bacnotan, La Union  
July 18, 2014

**Writeshop on Research Proposal**  
Alvis Café, Daraga Albay  
July 21 - 23, 2014

**6th National Medical Writing and Peer Review Workshop**  
Hotel Koresco, Cagayan de Oro City  
August 4-5, 2014

**Training on Basic Research Methods**  
Pampanga Agricultural College, Pampanga  
August 6-8, 2014

**Principles of Health Research Ethics and Good Clinical Practice**  
University of the Philippines Manila  
August 27-29, 2014

**Consultative Meeting on the Development of Ethnobiological Study of Muslims in ARMM Provinces**  
El Bajada Hotel, Davao City  
September 12, 2014

**3rd Quarter Management Committee Meeting**  
DOH-R1 San Fernando La Union  
September 12, 2014

**Technical Review of Researches**  
DOST Conference Room, Palo, Leyte  
September 22, 2014

**Research Proposal Workshop in Infectious Diseases (Presentation of Revised Proposals)**  
DMSF-MTRC, Bajada, Davao City  
October 9, 2014

**Consultative Meeting on the Development of Ethnobotanical Study in BASULTA (Basilan, Sulu, Tawi-tawi), ARMM**  
Marcian Business Hotel, Zamboanga City  
October 9, 2014

**Training on Research-based Policy Formulation**  
Pearlmount Hotel, Cagayan de Oro City  
October 13-15, 2014

**ARMM HRC Basic Ethics Training on Health Research**  
Grand Regal Hotel, Davao City  
October 14-15, 2014

**Basic Training on Ethics Review**  
Brent Hospital and Colleges  
October 28-29, 2014

**Training on Statistical Data Analysis with Computer Application (Qualitative and Quantitative Research)**  
Mindanao State University-Iligan Institute of Technology, Iligan City  
November 5-7, 2014

**Workshop for Applied Ethics in Research**  
DMSF-MTRC, Bajada, Davao City  
November 11-12, 2014

**Special Session: Animal Care and Use in Health Research**  
DMSF-MTRC, Davao City  
November 12, 2014

**Health of Lumad Summit**  
Brokenshire Resort and Convention Center, Davao City  
November 19-20, 2014

**Training on Technical Report Writing**  
Pearlmount Hotel, Cagayan de Oro City  
December 9-10, 2014

**Seminar with a Lecture on Updates on Antimicrobial Resistance**  
MMMhMC Batac City, Ilocos Norte  
December 10, 2014

**Research and Development Workshop: Mentoring Approach**  
Starwood Hotel, Baguio City  
December 17-18, 2014



MEDIA MILEAGE

PRINT

January 30, 2014, **Outstanding undergraduate thesis in herbal medicine, open for nomination**  
*Zamboanga Today*

January 14, 2014, **Mosquitoes attracted by exhaled carbon dioxide**  
*Manila Bulletin*

February 8, 2014, **Aquino reappoints Aguiluz as special envoy of GCC**  
*Manila Bulletin*

February 10, 2014,**Mga Pinoy, maaring magpakonsulta sa espesyalista gamit ang internet**  
*Balitanghali, www.gmanetwork.com*

February 18, 2014, **Tawa-tawa versus dengue**  
*SunStar*

February 15, 2014, **World Cancer Day Ginunita MCM, PCMC at SanofiEspoir Foundation sa Stage Play: “Kakulangan sa Healthcare Professionals Lumala at Kaalaman ukol sa Diabetes Isinusulong sa PCP Health Forum”**  
*Dyaryong Tagalog*

February 21, 2014, **DOST recognizes outstanding college theses in herbal medicine**  
*SunStar*

February 25, 2014, **A software for patient’s safety**  
*SunStar*

February 26, 2014, **WVHRDC calls for 2014 health research proposals**  
*SunStar*

February 5, 2014, **Gov’t starts to tap ICT for healthcare access**  
*Newsbytes.PH*

March 17, 2014, **Forensic expert says Yolanda death toll could reach**  
*Malaya*

May 14, 2014, **Summer is the best time to fight dengue mosquitoes, DOST study says**  
*Philippine Information Agency*

July 11, 2014, **Magnificent sayote**  
*People’s Journal*

July 22, 2014, **PWU marks Nutrition Month with talks on nutrition disaster preparedness**  
*Philippine Daily Inquirer*

July 24, 2014, **E-health Forum set at NSTW 2014**  
*The Philippine Star*

July 26, 2014, **Expo showcases scientific innovations**  
*Philippine Daily Inquirer*

July 27, 2014, **Challenge accepted**  
*Manila Bulletin*

July 30, 2014, **Recto decries lack of S&T researchers**  
*Manila Bulletin*

July 31, 2014, **Life-saving discoveries featured at National Science and Technology Week**  
*Manila Bulletin*

July 31, 2014, **NSTW to highlight health and wellness**  
*The Philippine Star*

July 31, 2014, **Medicinal uses of mango leaves,**  
*People’s Journal*

July 31, 2014, **Photo/NSTW features medical device suited for remote**  
*Newsbytes Philippines*

ONLINE

January 08, 2014, **Study identifies gender, level of income, type of membership, as predictors of Philhealth underutilization**  
*PCHRD Website*

January 10 2014, **More men develop head and neck cancers, experts say**  
*PCHRD Website*

January 17, 2014, **Length of babies’ nasal bone may predict probability of Trisomy 21**  
*PCHRD Website*

January 23, 2014, **Researchers spot effective contact lens solution against eye infection**  
*PCHRD Website*

February 24, 2014, **Combination insulin therapy limits hypoglycemia incidence in diabetic patients**  
*PCHRD Website*

March 24, 2014, **Choramphenicol still ideal for Hib disease, study found**  
*PCHRD Website*

March 31, 2014, **Mango leaf extract promotes wound healing, study found**  
*PCHRD Website*

March 31, 2014, **Moringa potential ingredient for mouthwash, toothpaste**  
*PCHRD Website*

April 15, 2014, **Pomegranate peel-whey powder mixture may enhance antioxidant properties of functional foods, study recommends**  
*PCHRD Website*

April 30, 2014, **Fast food products: more energy but low in fiber, study says**  
*PCHRD Website*

April 30, 2014, **Anti-microbial resistant Salmonella detected in commercial swine**  
*PCHRD Website*

April 30, 2014, **UP researchers develop software to monitor fast food diet**  
*PCHRD Website*

April 30, 2014, **Gene-diet interaction influences colorectal cancer risk, study found**  
*PCHRD Website*

May 9, 2014, **Ginseng may prevent influenza A virus infection, study found**  
*PCHRD Website*

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