

**PCHRD @ 27:**

***Inclusiveness @ PNHRs: Building Bridges to, and Engaging, Stakeholders***

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## **About PCHR**

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

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

## **Corporate Vision**

The organization that creates and sustains an enabling environment for health research in the country

## **Mission**

- Provide leadership in health research
- Advocate and support a health research culture
- Mobilize and complement health research resources to generate knowledge, technologies and innovations in health, and ensure their utilization
- Practice good governance to effectively perform the Council's role in leading, managing and coordinating the health research system

## **Vision for the Nation**

A nation empowered by research-based knowledge, technologies, and innovations in health.

## Message from the Secretary

On its 27<sup>th</sup> year, I am proud to present the collaborative work of the Philippine Council for Health Research and Development (PCHRD) with its stakeholders in 2009.

The year's spotlight has been focused on coming up with creative answers on how to engage stakeholders and sustain partnerships with them. *Inclusiveness @ PNHRs: Building Bridges to, and Engaging, Stakeholders* was our battlecry.

The Council and the core agencies of the Philippine National Health Research System (PNHRS) placed the regional health research systems at the helm of the PNHRS. As a result of the consultations with the 16 regional health research consortia, some of the regions were able to harness their inherent strong points towards fruitful collaborations. Example would be the six consortia in Mindanao which came up with a Mindanao Health R&D Program. We believe that only with strong regional health research systems would there be a truly Philippine National Health Research System.

With these, I salute all the men and women of PCHRD. *Mabuhay kayong lahat!*

**ESTRELLA F. ALABASTRO, PhD**

## Message from the Executive Director

*Inclusiveness @ PNHRs: Building Bridges to, and Engaging, Stakeholders* defines our commitment to our stakeholders and partners in the Philippine National Health Research System (PNHRs). The stakeholders are at the core of the Council's success; our stakeholders, our partners, our family.

Through partnerships, PCHRD was able to draw upon a pool of expertise which contributed valuable perspectives and have played key roles in shaping our programs and activities. Collaboration is woven into the fabric of our work as we revitalize the whole health research network. Prime example of this is our evolving relationship with the regional health research systems, working hand in hand with them in leading the PNHRs.

Today, as PCHRD looks to the future, our hopes are for even stronger partnerships and collaboration. The different capacities and resources in our growing health research community can, hopefully, converge towards a common objective of improving health outcomes.

JAIME C. MONTROYA, MD, MSc

## **PCHRD @ 27: BUILDING BRIDGES TO, AND ENGAGING, STAKEHOLDERS**

Helping Filipinos understand the importance of investment in health research is a priority advocacy of the Council, with programs and activities aimed at engaging all sectors of society.

On 16 March 2009 at the Pan Pacific Hotel, Manila, PCHRD celebrated its 27<sup>th</sup> Anniversary with the theme, *“Inclusiveness@PNHRS: Building bridges to, and Engaging, Stakeholders.”* The event focused on bridging the missing links to all the stakeholders of the Philippine National Health Research System (PNHRS).

Dr. Jaime Galvez-Tan, President, Health Futures Foundation Inc., and Chair of the PNHRS Steering Committee, in his keynote speech, emphasized the need for community-driven research, wherein the poorest of the poor have access to the benefits of research. The role of the researcher as bridge-maker is important in creating and sustaining healthy partnerships.

In the panel discussion, *“Health Research, Kasama Ako,”* the stakeholders agreed that it is imperative to come up with policies that would support inclusive, sustainable, and engaging research with the community, local groups, regional partners, government agencies, civil society groups, private sector and international organizations.

The Council’s 27<sup>th</sup> anniversary was also marked by the core agencies’ signing of renewal of commitment to the Philippine National Health Research System (PNHRS). The four core agencies were represented by their top officials, namely: Dr. Estrella F. Alabastro, Secretary, Department of Science and Technology; Dr. Jade del Mundo, Undersecretary, Department of Health; Dr. Emmanuel Angeles, Chair, Commission on Higher Education; and Dr. Zorayda Leopando, Vice Chancellor for Planning and Development, University of the Philippines Manila.

### **The Regional Health Research Systems: At the Helm of the PNHRS**

Responding to the call of PNHRS to strengthen and capacitate the regional health research systems, the PNHRS Structure, Organization, Monitoring and Evaluation (SOME) Committee conducted a regional assessment in all the regional health research consortia from January to August 2009.

The regional assessments aimed at identifying the critical areas of performance and capacities that the health research consortia need to address in order to improve their performance and effectively respond to the priority regional health issues.

Findings revealed the strengths, weaknesses and areas for improvement of the regional health research systems. The strength of the Consortia lies in the presence of highly skilled researchers, and champions, as well as institutions. Weaknesses were attributed to low level of utilization of the Regional Unified Health Research Agenda (RUHRA), lack of meaningful research proposals and projects, ineffective and inefficient management of the consortium and the absence of strategic direction and long-term development plan.

Based on the results of the regional assessments, SOME Committee recommended restructuring of the PNHRS to be more responsive to regional needs and repackaging the funding assistance provided by the PNHRS to the regional consortia. The first recommendation involves review of RUHRA and identification of priority areas; establishment of research programs and development of research proposals; preparation of strategic and operational plans; and streamlining of organizational structure. The latter recommends that the program of financial and technical assistance be able to support the strategic plans and long-term development goals of the health research consortia.

## Convergence in Divergence at the 3<sup>rd</sup> PNHRS Week

More than 300 stakeholders and regional representatives from all parts of the country met anew on 12-14 August 2009 to celebrate the 3<sup>rd</sup> Philippine National Health Research System (PNHRS) Week at the Marco Polo Hotel in Davao City.

Highlights of the three-day celebration included a Pre-Conference: Mindanao Forum on Health Research, six parallel capacity building sessions, Young Researchers' Poster Exhibit Contest, a plenary session on Capacitating and Empowering Regional Health Research Systems, and awarding of the 2009 PNHRS Best Mentor in Health Research.

The Mindanao Forum on Health Research was a venue for the six Mindanao consortia to respond to the assessment of the island's diverse regional health research systems. Their responses to the challenges formed the basis for crafting a Call to Action on Mindanao Health R&D Strategy. Action areas identified by the stakeholders were: 1) increasing funding for regional researches, 2) including policy for the utilization of research results in the structure, 3) strengthening partnership among academe-industry-LGUs-NGOs-People's Organizations, 4) strengthening networking among consortia, and 5) formulating strategic plans to address gaps in health research.

### Call to Action of the Mindanao Forum on Health Research 12 August 2009

The Forum recognizes that Mindanao has common and distinct area-specific health concerns which the regions within the island can address through research given the presence of individual and institutional champions for research, highly skilled and motivated human resource, adequate research facilities, considerable experience in the management of research activities, and a strong desire to collaborate to address the priority health needs of the regions, among others;

The Forum believes that by working together, within and between regions, using successful models of collaboration, the health R&D consortia in Mindanao can transcend the present research weaknesses and gaps, and channel and/or leverage research resources to addressing priority health problems such as maternal and child health, herbal medicine and traditional medicine, environment and emerging and re-emerging tropical diseases;

The Forum believes that the opportunities can be harnessed to the advantage of the consortia by drawing a long-term strategic plan and by being open to new paradigms. The policy of placing the regional health research systems at the helm of the Philippine National Health Research System (PNHRS) and providing equitable access to resources for health research at all levels are incentives which will move forward the Mindanao research agenda;

The Forum believes that the ongoing collaboration of the Mindanao research consortia in developing joint research projects shows the willingness and commitment of members to share and help develop expertise and resources for the health of Mindanawons;

The Forum supports the proposed coordinating mechanisms to bring together researchers in Mindanao, starting with the creation of a Steering Committee, led by Region 11 Health R&D Consortium and lodged at the Davao Medical School Foundation; with responsibilities shared by the six consortia; and;

The Forum requests the heads of member institutions of the six Mindanao research consortia to commit permanent representatives to the Mindanao research teams, support their participation, provide complementary resources, and ensure that research results are disseminated and translated into policies and actions which benefit the Filipinos.

On the event's second day, six capacity building sessions equipped participants with knowledge and skills necessary in the whole research process. Topics were selected based on the concerns raised during the series of regional consultations conducted by the PNHRS Structure, Organization, Monitoring and Evaluation (SOME) Committee.

The session on the National Unified Health Research Agenda Implementation and Tracking identified issues related to close matching interests of researchers and institutional mandates of the funding agency, the use of FINER (Feasible, Interesting, Novel, Ethical, Relevant) as guiding principle in the development of a research proposal, and monitoring health related R&D for benchmarking.

The Ethics and Ethics Review session dealt with capacity building in ethics review, forming of Ethics Review Board (ERB) within each research institution and harmonizing roles and procedures of existing ERBs.

In the Intellectual Property and Technology Commercialization session, participants agreed that there is a need to establish a well-defined and unifying policy on technology transfer in the Philippines and strengthen private-public collaboration in R&D commercialization.

The Marketing Research to Healthcare Providers and Policymakers session emphasized the importance of dialogue as an effective communication tool and making research results understandable to the target audience.

The session on Research Publishing and e-Tools for Collaboration tackled rules on authorship, protocols on peer review, coming up with a pool of research reviewers, and access of full text in HERDIN.

The small group discussion on Climate Change and its Effect on Health: Orientation on Strategic Management is an introductory session on the topic aimed at appreciating interrelated concerns at the regional level.

The third day's plenary session focused on the regional health research systems being at the helm of the PNHRS. The session brought forth responses from the various stakeholders particularly the core agencies, local government units (LGUs) and the regional health research consortia. The core agencies discussed their commitments in support of health research, the LGUs shared how they can help regional health research systems refine their research agenda and access health research resources while the consortia addressed the issue on how to sustain research collaboration.

A platform for convergence, collaboration, and research translation, the PNHRS Week is held yearly on the second week of August following the Proclamation No. 1309 signed by President Gloria Macapagal-Arroyo.

Established in March 2003, the PNHRS is a convergent strategy that aims to promote cooperation and integrate all health research efforts and stakeholders in the country to ensure that research contributes to evidence-informed health policies and actions.

## **GENERATING DEMAND-DRIVEN KNOWLEDGE AND TECHNOLOGIES FOR HEALTH**

### **Updated National Unified Health Research Agenda (NUHRA) 2008-2010**

Following the consultations with stakeholders, the PNHRS Research Agenda Committee (formerly the Research Management Committee) updated the National Unified Health Research Agenda (NUHRA) to account for recent developments, new directions and thrusts of concerned agencies as well as to refocus research priorities to better respond to existing health problems, emerging gaps, and new challenges. The updating was anchored on the United Nations' Millennium

Development Goals, updated Medium Term Philippine Development Plan, Fourmula One for Health Framework, and the National Science and Technology Plan.

<b>NUHRA Research Priorities</b>	
•	Health Financing
•	Governance
•	Health Regulations
•	Health Service Delivery
•	Health Technology Development
•	Health Research Ethics
•	Health Information Systems

The NUHRA 2008-2010, an updated version of the NUHRA 2006-2010, focused on unaddressed research topics that require urgent attention, with new ones added in view of current and emerging concerns. The updated NUHRA was formally launched during the 27<sup>th</sup> PCHR Anniversary on 16 March 2009.

Advocacy activities for the updated NUHRA went full blast in 2009. The advocacy intends to encourage health researchers, funding agencies, and stakeholders to support and implement the updated NUHRA. Aside from the production of advocacy materials such as printed and CD copies of the Updated NUHRA, audio visual presentation and posters, the media was also tapped to further reach the target audience. Print, radio, television, and the web were used as channels for information dissemination.

In line with the NUHRA, PCHR supported a total of 23 projects, one of which was completed in 2009.

**Distribution of R&D projects by type and status, 2009**

Project Status	Project Type		Total
	Assisted	Monitored	
Completed	1	-	1
Ongoing	8	8	16
New	6	-	6
<b>Total</b>	<b>15</b>	<b>8</b>	<b>23</b>

### Completed Project

#### **Genetic Characterization of the SARS-Causing Coronavirus from Two SARS Patients in the Philippines**

Severe Acute Respiratory Syndrome (SARS) caused worldwide panic in 2003, with a newly-identified virus (SARS Coronavirus; SARS CoV) causing severe pneumonia in affected individuals. Following the Hotel M cluster in Hong Kong which triggered the worldwide spread of SARS CoV, SARS eventually reached the Philippines, resulting to two deaths among four other cases in a local hospital transmission in the country.

The study examined the genetic material carried by the virus to document similarities of local SARS CoV isolates with isolates from other countries. Such examination enabled historical tracing

of virus transmission across countries, and provided information on the stability of the virus. Also, the study detected possible new mutations, which could have implications in the development of diagnostic tools and in vaccine design. To carry out these goals, analysis was done on a region in the genetic material of SARS CoV isolated from lung tissues of the two mortalities in the Philippines.

Analysis revealed that the Philippine isolates were very closely related to an isolate in Toronto, Canada; the same place where the index case in the local hospital transmission in the Philippines derived the infection. Hence, the results further established the linkage of local isolates with infection in Canada, and subsequently from the Hotel M cluster in Hong Kong. No mutations were seen in the Philippine local isolates when compared to the representative isolate in Canada, indicating the relative stability of the SARS CoV strains derived from the Hotel M cluster in Hong Kong.

### **ETHICAL RESEARCH: Upholding the Dignity of Human Participants**

Ethics is an integral part in any research undertaking. Ethics does not only promote cooperation and collaboration, but also inspires trust among researchers and human participants.

As part of its ongoing advocacy for ethical research, the Philippine Health Research Ethics Board (PHREB) conducted a series of seminar-workshops and training to orient and update researchers and members of institutional ethics review boards (IERBs) on the new ethical guidelines in health research. The first was held at the Philippine Tuberculosis Society, Inc. (PTSI) Compound in Quezon City on July 28-29, with 10 participants from PTSI and National Children's Hospital. Another seminar-workshop was held at the EMR Center, Koronadal City, on November 12, 2009, with 42 participants coming from Region 12 and the Autonomous Region of Muslim Mindanao (ARMM). The said seminar was held in collaboration with the DOST Regional Offices in the two regions and the UNILAB Medical Education and Development (UMED).

On November 24-25, PHREB held a basic course on Good Clinical Practice at the Don Mariano Marcos Memorial Hospital and Medical Center (MMMHC) in Batac, Ilocos Norte. The seminar-workshop was attended by 32 faculty and staff from academic institutions such as Don Mariano Marcos State University, University of Northern Philippines, Northwestern University and Northern Christian College, Center for Health Development (CHD)-Region 1, and the Commission on Human Rights (CHR).

PHREB, as a policy-making body, participated in the forum organized by Ugnayang Pang-Agham Tao, Inc. on September 4, 2009 at the Philippine Social Science Center, Diliman, Quezon City. Titled, "*Practitioners in Social Impact Assessment (SIA) Studies for Large Scale Mining Projects in Indigenous Peoples Lands: Ethical Challenges,*" the forum aimed to thresh out the ethical issues in the practice of social research for large scale mining companies in indigenous peoples' lands.

There are now 70 registered ethics review committees among the 200 identified ERCs in the country. A total of 43 protocols were evaluated by the National Ethics Committee (NEC), the review arm of PHREB.

### **BUILDING A STRONG HEALTH RESEARCH HUMAN RESOURCE**

For a continued creation of knowledge and technologies for health development, a pool of health researchers is critical.

In 2009, PCHRD evaluated and recommended approval of 161 new scholars for the DOST Accelerated Science and Technology Human Resource Development Program (ASTHRDP). There were 32 new scholars for the doctoral degree program and 129 new scholars for the master's degree program. One doctoral and six master's students completed their studies, and 128 scholars continued to pursue their programs.

Under the thesis and dissertation assistance program, there were 15 new grantees while 23 grantees continued to work on their thesis/dissertation projects. At the end of 2009, two doctoral and four master's students completed their dissertation and thesis, respectively.

#### **Distribution of scholars by type and status of program, 2009**

<b>Program Status</b>	<b>Doctoral</b>	<b>Master's</b>	<b>Total</b>
Completed	1	6	7
Ongoing	24	104	128
New	32	129	161
<b>Total</b>	<b>57</b>	<b>239</b>	<b>296</b>

#### **Distribution of dissertation/thesis grantees by type and status of program, 2009**

<b>Program Status</b>	<b>Doctoral</b>	<b>Master's</b>	<b>Total</b>
Completed	2	4	6
Ongoing	9	14	23
New	1	14	15
<b>Total</b>	<b>12</b>	<b>32</b>	<b>44</b>

To hone the skills of beginning researchers, 26 training and eight forums were sponsored by PCHRD in various topics, namely: basic research methods, scientific writing and presentation, research ethics, systematic review and meta-analysis, intellectual property, and good clinical practice guidelines. A total of 1319 new researchers benefited from the trainings/forums conducted through the Regional Health Research and Development Consortia.

#### **PCHRD Scholars Society**

The PCHRD Scholars Society is living proof of the impact the Council has made in the research community. It is an elite group of graduates from the medical and allied health disciplines.

The Society was organized in February 2007 to develop camaraderie and facilitate networking among PCHRD scholars and provide a venue for the exchange of health research information.

In 2009, the PCHRD Scholars Society finalized their constitution, by-laws and election guidelines. New set of officers were elected on March 16, 2009 with Dr. Josefina Tuazon of the UP College of Nursing voted as president.

To date, the Society has a total of 135 members.

#### **2009 PCHRD-Gruppo Medica Award Winners**

The PCHRD-Gruppo Medica Award for Outstanding Research in Herbal Medicine seeks to motivate students to view undergraduate thesis not just an academic exercise, but an excellent opportunity to contribute to the national agenda. It is awarded to studies with potential for practical or commercial applications.

In July 2009, students from the College of Pharmacy, University of the Philippines Manila won the second prize and received PhP40,000 in recognition of their promising research in herbal

medicine. The third prize winner of PhP20,000 was given to the research study of students from the University of San Carlos. The two winners stood out from among the 31 entries submitted to the PCHRD-Gruppo Medica Evaluation Committee.

**Winners of the 2009 PCHRD-Gruppo Medica Award**

**2<sup>nd</sup> Prize**

**Wound Healing and Antimicrobial Property of  
Verbain Ointment from *Stachytarpheta  
jamaicensis* (L) Vahl (Verbenaceae)**

Rey Johnino A. Carinugan, Toshila Marie B. Bonete and  
Sunshine Charisse T. Abadilla of the UP Manila  
College of Pharmacy

**3<sup>rd</sup> Prize**

**Angiogenetic Effect of Fresh Leaves of *Centella  
asiatica* L. (Gotu Kola) Extract on the  
Chorioallantoic Membrane of Fertilized Chicken Egg**

Maria Lourdes Carmelle M. Daroy & Enrique  
Rene G. Bernabe of University of San Carlos

**2009 PNHR Best Mentor in Health Research**

At the 3<sup>rd</sup> PNHR Week, the PNHR Capacity Building Committee led the research community in recognizing the vital contribution of health research mentors in the development of research capabilities of human resources in health through the awarding of the PNHR Best Mentor in Health Research.

Each regional winner from Luzon, Visayas, Mindanao, and the National Capital Region was awarded with a cash prize of PhP100,000.00 plus plaque of recognition. The national winner received a cash prize of PhP200,000.00 and a trophy. Winners were selected based on their track record in research and research guidance, dedication in promoting research, and contribution towards a supportive research environment.

**2009 PNHR Best Mentor in Health Research**

**National Winner**

*Dr. Edgardo Tulin* (Visayas)  
Visayas State University

**Regional Winners**

*Dr. Carmencita Padilla* (NCR)  
UP Manila-National Institutes of Health

*Dr. Erlinda Palaganas* (Luzon)  
UP Baguio

*Dr. Edgardo Tulin* (Visayas)  
Visayas State University

*Dr. Rosemarie Arciaga* (Mindanao)  
Ateneo de Zamboanga University

The “Best Mentor in Health Research Award” is part of the strategies to address the country’s need for continuous supply of quality human resources for health research. The PNHRs recognizes the vital role of the research mentor who selflessly shares knowledge and skills, instills values and attitudes, and inspires those involved in the research process, thereby creating an enabling environment and contributing to capacity building in research.

## **UTILIZING RESEARCH RESULTS FOR DEVELOPMENT**

Together with the Research Utilization Committee of PNHRs, the Council provides technical and policy advice in developing and sustaining communication and advocacy strategies that would link health research to policies and actions.

Research translation helps in ensuring the dissemination and utilization of research results to the different endusers --- policymakers, program implementors, health industry, health professionals, researchers, the academe and other sectors of society.

With the media as its partner, PCHRD continued to make its presence felt through the newspapers, television, radio, press conferences, and the internet, reaching more and more stakeholders in the process. In 2009, 41 articles came out in national and local newspapers, 21 interviews on radio, and 16 on television. 48 articles were published online.

In July, the Council participated in the annual National Science and Technology Week (NSTW). This year’s NSTW was community-based in an effort to bring domestic S&T closer to the people. Bicutan (Taguig), Los Baños (Laguna), Quezon City, and Manila science communities took part in the activities. Technology fairs were also held in the Visayas, Mindanao, Southern and Northern Luzon from August to December.

## **Creating Wealth through Technology Commercialization**

Technology commercialization provides the S&T connection to economic growth and development. The link between the generators of research and the market is critical in bringing research results to peoples’ doorsteps.

In 2009, PCHRD received approval of patent applications as utility models for Ampalaya Extract Fortified Dried Fruit and Dietary Fiber from Coconut Flour. Patent application was also filed for *Tsaang Gubat* tablet as gastrointestinal/biliary colic remedy.

In December, the Council signed a license agreement on the transfer of production technology for Sambong tablet with Inter Healthcare Pharmaceuticals, Inc.

### ***Technology Transfer Legislation: Profiting from Inventions***

The enactment of a national policy framework on technology transfer, titled, “An Act Promoting the Transfer of Technologies and knowledge from Research and Development (R&D) Funded by Government” or the Technology Transfer Act of 2008. Subscribes to the provision of Bayh-Dole Act (United States) which enables researchers to retain title to the technologies of publicly funded research provided they transfer the technologies within two years from research completion.

This bill hopes to presage a stronger and closer private-public collaboration; provide the framework that will promote coordination, integration and harmonization of all technology transfer efforts by various agencies in the country; resolve issues on technology ownership, and provide the institutional mechanism for developing a creative technology transfer capability.

In December, the bill was passed by both Houses of Congress. Copies of the consolidated version of the bill was sent to the House of Representatives for the signature of the Speaker and the Secretary General.

## **HERDIN NeoN: Establishing Research Registries in the Regions**

To ease access to information, PCHRD enhanced its system of collecting entries to the Health Research and Development Information Network (HERDIN). The new distributed system called HERDIN Network of Networks (NeoN) is being deployed nationally. At present, HERDIN NeoN holds more than 50, 000 published and unpublished research articles from 150 health journals and publications printed from 1906-2008, with 3,358 new entries added in 2009. For the year, 41,776 users were served.

Parallel to HERDIN NeoN's development, the Council also conducted a series of training in several of the country's health research institutions. The training aimed to capacitate health research institutions to organize their health research information and to institutionalize the updating of the national health research information repository.

From October 6-9, the HERDIN team of PCHRD trained participants from Region 11 at the Davao Medical School Foundation, Davao City. Institutions represented in the said training were San Pedro College, Ateneo de Davao University, Davao Doctor's College, University of Immaculate Conception, University of the Philippines Mindanao, Davao Medical School Foundation, and Brokenshire College.

Same training was held on October 20-23 at the Liceo de Cagayan University, Cagayan de Oro City. Participants from Region 10 came from Mindanao State University, Central Mindanao University, Capitol University, Liceo de Cagayan University, Xavier University-Ateneo de Cagayan, Bukidnon State University, Northern Mindanao Medical Center, Center for Health Development-Department of Health (CHD-DOH 10), National Economic and Development Authority (NEDA-10), and Department of Science and Technology (DOST-10).

## **Expanding Regional Access to Information**

### ***Western Pacific Region Index Medicus (WPRIM)***

As the country's focal institution in the development of the Western Pacific Region Index Medicus (WPRIM), the Council actively participated in the effort to ensure global access to medical and health researches in the region. WPRIM is an initiative of the World Health Organization (WHO) Western Pacific Regional Office (WPRO), an online index of medical and health journals of its member states.

On 16 June 2009, PCHRD in coordination with the Asia Pacific Association of Medical Journal Editors (APAME) organized the 1<sup>st</sup> International Seminar on Journal Publishing entitled "Professional Journal Editors, Key to Publishing Culture." It was intended for regional and local health and medical journal editors and writers with a focus on the key role of creating and sustaining a research publishing culture in and across countries. On the following day, an informal consultation on WPRIM and the Global Health Library (GHL) was held to identify new training activities based on the outcomes of the editors' workshop and to review the new WPRIM platform developed by the Institute of Medical Information, Chinese Academy of Medical Sciences (IMICAMS) and the WPRO GHL portal.

On November 4-5, the Second Joint Meeting of APAME and WPRIM was held as part of the celebration of the 50<sup>th</sup> year publication of the Singapore Medical Journal (SMJ). The meeting discussed the status of the WPRIM project, planned key training activities, funding and the new WPRIM database developed by IMICAMS. The Regional Journal Selection Committee evaluated and approved the candidate journals endorsed by the National Journal Selection Committee for inclusion in WPRIM.

To date, 16 Philippine health and medical journals uploaded their combined articles to WPRIM.

### ***Technical Panel on Health Journal Publishing***

PCHRD, committed to improve the status of health journal publication in the country, reconstituted the Technical Panel on Health Journal Publishing in 2009. The reconstitution has the following objectives: 1) develop policies and standards relevant to the publication of quality health journals; 2) develop capacity building programs; 3) identify journals which may be supported to build their capacity as channels of research dissemination and their potential to be internationally-indexed; 4) accredit journals which subscribe to the standards of quality journal publishing; and 5) develop strategies to spin off the Panel into a sustainable alliance or association of health journal editors.

Within the Technical Panel, a National Journal Selection Committee was organized, chaired by Dr. Jose Ma. C. Avila of Acta Medica Philippina. In October, the Committee met to review criteria for inclusion to WPRIM. It was clarified that journals may be peer-reviewed internally or externally. All journals should be published bi-annually. The Instructions to Authors must adhere to the International Committee of Medical Journal Editors (ICMJE) guidelines.

### ***Acta Medica Philippina: The National Health Science Journal***

During the 27<sup>th</sup> Anniversary of the Council, Acta Medica Philippina, the official medical journal publication of the University of the Philippines Manila College of Medicine, was officially launched as a national health science journal.

Aspiring to join the ranks of the Lancet and Singapore Medical Journal which are recognized journals in their own respective countries, Acta Medica Philippina sought funding assistance from the Department of Science and Technology (DOST) through the help of PCHRD. Their project entitled “*Transforming Acta Medica Philippina to be a National Health Science Journal*” was approved for DOST-GIA funding.

Acta Medica was re-launched in 2004 and has since then been publishing regularly on a bi-annual basis. Acta Medica is one of the Philippine medical journals indexed at the WPRIM.

### **MOBILIZING RESOURCES FOR HEALTH R&D**

To support the implementation of programs and projects in health research, PCHRD assisted the government in mobilizing resources from international partners, local agencies, and the private sector. In 2009, the Council was able to generate external resources amounting to PhP43,447,463.

Alongside the Council’s effort, the PNHRs Committee on Resource Mobilization continued to lobby for secured sustainable financing through the establishment of the PNHRs Fund.

#### ***PNHRs Bill: Institutionalizing the Philippine National Health Research System***

The PNHRs Bill (House Bill Nos. 1241, 2597, & 3271 and Senate Bill Nos. 2350, 2592) mandates selected government agencies to allocate a percentage of their gross annual income to health R&D activities. When the bill turns into law, PNHRs will be assured of a stable fund source to support health researchers in generating ethical and relevant health knowledge and innovations. Titled, “An Act Institutionalizing the Philippine National Health Research System,” hearings on the bill started through the technical working group meetings at the House of Representatives under the joint Committees on Science and technology and Health, chaired by Congressman Joseph Emilio Abaya of the 1<sup>st</sup> District of Cavite. Similar meeting was convened at the Senate by Senator Pia Cayetano.

The House Committee on Science and Technology endorsed the draft bill to the Committee on Appropriation headed by Congressman Junie Cua.

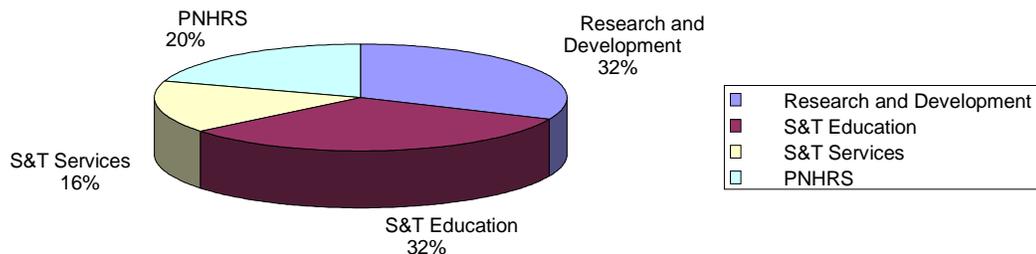
## FINANCIAL OVERVIEW

PARTICULARS	ALLOTMENT	EXPENDITURES	% OF UTILIZATION
<b>Total Funds from National Government</b>	58,276,399	58,276,399	100%
General Administration and Support	18,501,433	18,501,433	100%
Operations	14,843,736	14,843,736	100%
Grants-in-aid:			
Research and Development	7,899,748	7,899,748	100%
S&T Education	8,063,587	8,063,587	100%
S&T Services	4,013,750	4,013,750	100%
PNHRS	4,954,145	4,954,145	100%
<b>Total Funds from Other Sources</b>	39,459,412	33,345,037	85%
<b>GRAND TOTAL</b>	97,735,811	91,621,436	94%

The Council's budget in 2009 amounted to PhP97.7 million. Of the total amount, PhP58.3 million came from the government and PhP39.4 million from other sources. 100 percent of total funds from the government was utilized.

Grants-in-aid (GIA) funds amounted to nearly PhP25 million. Of this amount, PhP7.9 million (32%) was allotted for R&D projects, PhP8 million (32%) for S&T education, PhP4 million (16%) for S&T services, and PhP4.9 million (20%) for the Philippine National Health Research System.

### Grants-In-Aid Allotment, 2009



## **INSIDE PCHRD**

### **Behind PCHRD's Success: A Committed Workforce**

Human resource is key to PCHRD's success. All its 46 core staff bring with them a mix of commitment, creativity and experience to enhance the Council's research and development services.

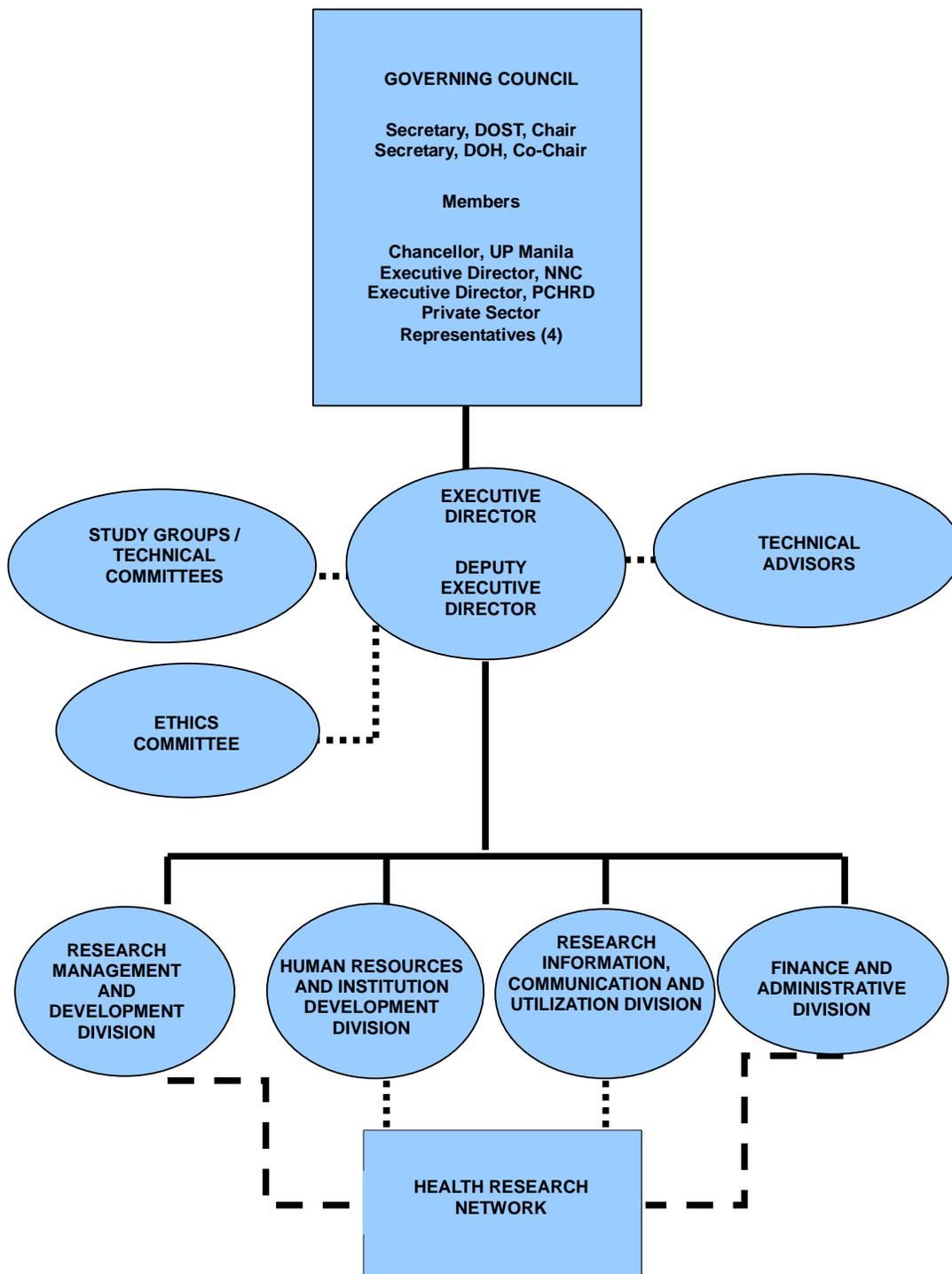
In 2009, the Council's personnel complement was composed of 26 technical and 20 administrative and support staff. 23 have a bachelor's degree, 14 are master's degree holders, one has a doctoral degree and two are medical doctors.

### **Towards an ISO-Certified Council**

The Council aims to exceed the expectations of its clients through the provision of quality products and services. In 2009, PCHRD started work towards ISO-certification.

The Council has implemented a Quality Management System (QMS) which covers core processes on research management and development, human resource and institution development, research information, communication and utilization, as well as finance and administrative functions.

An ISO certification indicates a company or agency's compliance to a set of standards for quality management and operational systems that is recognized and accepted worldwide.



**PCHRD Organizational Structure**

## **PCHRD Prime Movers**

### **PCHRD Governing Council**

#### ***Chair***

**Dr. Estrella F. Alabastro**

Secretary  
Department of Science and Technology

#### ***Co-Chair***

**Dr. Francisco T. Duque III**

Secretary  
Department of Health

#### ***Members***

**Dr. Benjamin M. Abela**

President, Asian Vision Group  
Asian Hospital and Medical Center

**Dr. Ramon L. Arcadio**

Chancellor  
University of the Philippines Manila

**Dr. Catherine Q. Castaneda**

Director IV, Office of Programs and Standards  
Commission on Higher Education

**Ms. Maria Bernardita T. Flores**

Executive Director  
National Nutrition Council

**Dr. Enrico B. Gruet**

Dean, College of Medicine  
Cebu Doctors' University

**Dr. Jaime C. Montoya**

Executive Director  
Philippine Council for Health Research and Development

**Dr. Grace J. Rebollos**

Executive Secretary  
Zamboanga Coalition of Development NGOs

**Dr. Mediadora C. Saniel**

Head, Medial Services  
The Medical City

## **PCHRD Officials**

### **Executive Director**

**Dr. Jaime C. Montoya**  
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### **Division Heads**

#### ***Finance and Administrative Division***

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#### ***Human Resources and Institution Development Division***

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#### ***Research Information, Communication, and Utilization Division***

**Ms. Merlita M. Opeña**  
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## **PCHRD Staff**

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Imelda Mutuc  
Carina Rebulanan  
Alexander Sea

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Fe Cuevas  
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Diego Hernandez  
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Eliza Manalo  
Francisco Manalo  
Ruben Manalo

Leo Nuyda  
Sylvia Ocon  
Buenalivia Olatan  
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Gregorio Salacup, Jr.  
Fe Solis  
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Melissa Bulao  
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Marren Joy Belgado  
Maria Marcela Lagayan  
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Veronica De Leon  
Joanna Marie Lim  
Laurice Pia Oliveros  
Lucila Roja  
Wilma Santos

***Research Information, Communication, and Utilization Division***

Ullyann Carticiano  
Louise Ian De los Reyes  
Ma. Violeta Intia  
Belinda Lontok  
Magdalena Manaig  
Victorina Miranda  
Ronel Molina  
Rachel Ann Doreen Nadal  
Elisa Parsacala  
Rolly Rausa  
Mark Joseph Tano  
Vincent John Tumlos

## **Philippine National Health Research System (PNHRS) Committee Members**

### **Research Agenda**

Dr. Fe Barquin  
Prof. Cynthia Cordero  
Dr. Teresita Cucueco  
Dr. Eden Divinagracia, Chair  
Dr. Alan Feranil  
Dr. Libertad Garcia  
Ms. Rosa Gonzales  
Dr. Carmela Lapitan  
Dr. Antonio Ligsay  
Dr. Remigio Olveda  
Ms. Arlene Ruiz  
Ms. Ma. Loida Sevilla  
Dr. Eric Tayag

### **Ethics**

Dr. Maria Arlissa Aguiluz  
Mr. Abdulrahim Bagundang  
Dr. Leonardo de Castro  
Mr. Gilbert Hoggang  
Fr. Romeo Intengan, SJ  
Dr. Jaime Montoya  
Atty. Albert Reboza, M.D.  
Dr. Marita V.T. Reyes, Chair  
Dr. Angeles Tan-Alora  
Dr. Ma. Carmen Tolabing  
Dr. Cecilia V. Tomas  
Dr. Elizabeth Ventura  
Ms. Crispinita Valdez

### **Capacity Building**

Dr. Jane Baltazar  
Dr. Vicente Belizario  
Dr. Amelia Fernandez  
Ms. Grace Fernando  
Dr. Libertad Garcia  
Dr. Ma. Lourdes Otayza  
Dr. Ma. Lourdes Rebullida, Chair  
Ms. Clarissa Reyes  
Ms. Anicia Catameo

### **Structure, Organization, Monitoring and Evaluation**

Dr. Josefino Alvero, Jr.  
Prof. Nina Castillo-Carandang  
Dr. Napoleon Juanillo, Jr.  
Dr. Federico Macaranas  
Dr. Juan Ma. Nañagas, Chair  
Dr. Jose Rodriguez  
Dr. Milagros Viacrusis  
Dr. Charles Yu

Ms. Merlita Opeña  
Ms. Anicia Catameo

### **Research Utilization**

Dr. Jose Acuin, Chair  
Dr. Cecilia Acuin  
Mr. Raul Angeles  
Dr. Jose Avila  
Dr. Gerardo Bayugo  
Ms. Remedios Birondo  
Ms. Marcia Feria-Miranda  
Dr. Francis Gomez  
Mr. Mike Gomez  
Dr. Magdalena Meana  
Ms. Angelina Sebial  
Mr. Jimmy Sevallla  
Ms. Merlita Opeña

### **Resource Mobilization**

Usec. Gil Beltran  
Ms. Remedios Birondo  
Dr. Lulu Bravo  
Dr. Ruben Caragay  
Dr. Shirley Domingo  
Dr. Jaime Galvez-Tan, Chair  
Dr. Fely Marilyn Lorenzo  
Dr. Theresa Ludovice-Yap  
Mr. Eligio Mendoza  
Dr. Jaime Montoya

## ANNEXES

### I. List of R&D Projects

#### PCHRD-Assisted Projects

##### *Completed*

##### **Genetic Characterization of the SARS-Causing Coronavirus from Probable SARS Patients in the Philippines**

Research Institute for Tropical Medicine

##### *Ongoing*

##### **Incidence of Active Tuberculosis Among Health Workers with Latent TB Infection in Tertiary Hospital Setting**

University of the Philippines-Philippine General Hospital

##### **Pharmacologic and Toxicologic Studies of Philippine Medicinal Plants**

Department of Pharmacology, University of the Philippines Manila

##### **Mutagenicity, Clastogenicity and Antimutagenicity Potential of Drug Preparations from Medicinal Plants**

Institute of Chemistry, College of Science, University of the Philippines Diliman

##### **Establishment of Quality Control Bioassay Procedures for Medicinal Plant Products**

Department of Pharmacology

##### **Bioassay for Infectious Diseases**

Department of Pharmacology

##### **Dosage Forms from Medicinal Plant Constituents**

College of Pharmacy, University of the Philippines Manila

##### **Clinical Screening and Validation Studies of Medicinal Plant Products**

Department of Pharmacology

##### **Development of Appropriate Cultural Management to Improve Yield and Quality of Selected Medicinal Plants**

Institute of Herbal Medicine, National Institutes of Health, University of the Philippines Manila

##### *New*

##### **The Philippine Thyroid Dysfunction Among Adult Filipinos: A Sub-study of the Philippine Thyroid Disorder Prevalence Study (PhiTiDes)**

Philippine Society of Endocrinology and Metabolism

##### **Topical Cashew Nut Extract (DeBCC) for the Treatment of Basal Cell Carcinoma**

Section of Dermatology, Department of Medicine, University of the Philippines-Philippine General Hospital

##### **2009 Tuberculosis (TB) Priority Research Agenda Setting**

Philippine Coalition Against Tuberculosis

**Prevalence of Pulmonary Tuberculosis among Prisoners and Jail Officers in the Philippines**  
Philippine Tuberculosis Society, Inc.

**FORMULATION OF AN EQUATION TO ESTIMATE GLOMERULAR FILTRATION RATE (GFR) AMONG FILIPINOS: Derivation of GFR Equation Among Filipinos (Phase 1)**  
Philippine Society of Nephrology

**A Neuropsychological Test for the Early Detection of Alzheimer's Disease Among Filipino Elderly: An Adaptation and Validation of the Pilipino Translation of the Montreal Cognitive Assessment (MoCA) Among Community Dwelling Elderly in the Philippines**  
Saint Luke's Medical Center

### **PCHR- Monitored Projects**

#### ***Ongoing***

**Sub-acute Sclerosing Panencephalitis (SSPE): Development of New Therapeutic Strategies Using Antiviral Drug Rivabirin**  
University of the Philippines Manila

**Development of Recombinant Vaccines Against Influenza**  
Marine Science Institute, University of the Philippines Diliman

**Optimization Process for the Large-Scale Production of Dengue Viral Antigens for the Laboratory Surveillance of Dengue Infection**  
Saint Luke's Medical Center

**7<sup>th</sup> National Nutrition Survey: Philippines, 2008 Biochemical and Clinical Components**  
Food and Nutrition Research Institute

**Morphological, Anatomical and Histochemical Studies on *Smallanthus sonchifolius* (Poepp. and Endl.) *H. Robinson* (Yacon)**  
University of the Philippines Los Baños

**Food Phytochemicals of *Smallanthus sonchifolius* (Yacon) Important to Human Health: Isolation, Identification, Characterization, Quantification and Bioassay of Health Related Properties**  
University of the Philippines Los Baños

**Pre-Clinical Safety & Toxicity Studies on VCO**  
*Acute Toxicity and Phytochemical Requirements for VCO*  
*Sub-chronic Toxicity Study on VCO*  
*Special Toxicity Studies on VCO (dermal irritation and sensitization tests)*  
Department of Pharmacology, University of the Philippines Manila

**Instituting the Philippine National Telehealth Service Program**  
*Emergency Telehealth Services for Poisons and Trauma Control: Emergency Care and Coordination Services (ECCS)*  
*Design and Implementation of a Remote, Real - time GSM - based Biomedical Diagnostic Facility in Selected Under - served Communities in the Philippines (LIFELINK)*  
University of the Philippines System

## **Regional Projects**

### ***Completed***

#### **Reassessment of the Quality of Care of Diabetic Extremity Patients After the Implementation of the Revised Extremity Case Team Protocol of PGH**

Dr. Marbert John Cardino, University of the Philippines - Philippine General Hospital

### ***Ongoing***

#### **Impact of Health Workers Migration to Department of Health Retained Hospitals in Region 1: A Pilot Study**

Mr. Marcelino Baga, Mariano Marcos Hospital and Medical Center

#### **The Anti-inflammatory, Analgesic and Antipyretic Properties of Mahogany Leaves Extract**

Prof. Jimmy G. Catanes, Virgen Milagrosa University Foundation

#### **Mapping of Traditional Medicinal Plants in Pugo, La Union**

Ms. Flordeliza B. Dalumay, Don Mariano Marcos Memorial State University-South La Union Campus

#### **Level of Acceptability of Roles and Performance of Barangay Health Workers: Its Impact to the Delivery of Basic Health Services**

Ms. Rosario B. Quitevis, University of Northern Philippines

#### **Factors Associated with the Level of Knowledge, Attitude and Behavior on CVD Among Young Adults**

Ms. Norma L. Eclarin, Mariano Marcos State University-College of Health Sciences

#### **The Anti-Rabies Campaign in Cagayan and Isabela: An Assessment**

Dr. Roberto Macatuggal, University of La Salette

#### **The Public-Private Mixed Directly Observed Treatment, Short-Course Chemotherapy (PPMD) Strategy of the National Tuberculosis Control Program (NTP) in Region 2**

Dr. Ramelo B. Ramirez, Cagayan Colleges Tuguegarao

#### **Knowledge and Attitude Towards Reproductive Health and Health Seeking Behavior Among Adolescents in all High Schools in Iloilo City**

Ms. Nenalyn Abioda and Ms. Carolyn Yow, Central Philippine University

#### **The Effect of Euphorbia Hirta Oral Decoction on the Mean Platelet Counts and Megakaryocyte Counts of Carlpatin-induced Thrombocytopenic and Non-induced Mice for the period June 2008-November 2008**

Dr. Edna A. Medez, West Visayas State University College of Medicine

#### **Hepatic and Renal Effects of Selected Nutraceuticals on White Mice (*Mus musculus*)**

West Visayas State University, Iloilo City

#### **An Association between Nutritional Status and Academic Performance of Elementary School Children in the Dev. Of Eastern Samar**

Dr. Eva P. Palada, Eastern Samar State University

#### **Characterization of Bioactive Compounds of "Polypog"**

Dr. Gerry D. Ambait, Eastern Samar State University

#### **Microbial and Viral Determination level of Catbalogan, Samar Groundwater Supplies: Their Relationship to Waterborne Diseases**

Dr. Felisa E. Gamba, Eastern Samar State University

**Factors Associated with Sustainability of Quality Health Standards in Sentrong Sigla Phase 2 Level 1 - Certified Rural Health Units/Health Centers in Region 8**

Mr. Leonido P. Olobia, Center for Health Development Region 8

**Women with Breast Cancer: Their Economic and Human Experiences**

Prof. Irma P. Magsambol, UP School of Health Sciences

**Production and Evaluation of PRP-1, a Novel Antihypertensive protein from Yam**

Dr. Edgardo Tulin, Visayas State University

**Antimicrobial Screening of Indigenous Plants Second Year**

Dr. Dennis Esquivel, Remedios Trinidad Romualdez Medical Foundation

**The Pipe Water System in the City of Tacloban: Potability and Problems**

Mr. Agipino M. Limpiado, Remedios T. Romualdez Medical Foundation

**Health Promotion and Employment of Local Migrant Workers in Cagayan de Oro City**

Ms. Donna Loue E. Neri, RN, MHSS, Liceo de Cagayan University

**Labor Migration and Health of the Children Left Behind Relationships & Implications**

Dr. Numerino G. Escalante, Jr., Capitol University

**Once Daily Versus Weekly School Based Directly Observed Supplementation of Ferrous Sulfate Tablet in Iron Deficiency Anemia: A Randomized Controlled Trial**

Dr. Chanda Rivas Uy, Davao Medical Center

**Medication Management Systems of the Davao Doctors Hospital and Brokenshire Integrated Health Ministries Incorporated: A Strengths, Weaknesses and Opportunities Analysis**

Davao Doctors Hospital, Davao City

**New**

**Mobile e-Health for Health Centers**

Lilibeth Tuimbol-Cuison, Angeles University Foundation

**Growth, Development and Population Dynamics Responses of Aedes sp. Mosquito to Increased Ambient Temperatures Phase I**

Dr. Franco Teves, Mindanao State University-Iligan Institute of Technology

**PhilHealth Accredited Primary Birthing Facilities in Northern Mindanao**

Dr. Numerino G. Escalante, Jr. et al, Capitol University

**Prevalence of Intestinal Helminthic Infection and Associated Socio-Demographic Variables among Schooling Children of the Public Elementary Schools of Maramag, Bukidnon**

Mr. Christopher G. Batbatan, Central Mindanao University

**A Randomized, Double-blind, Placebo-controlled Clinical Trial on the Effectiveness and Safety of Turmeric (*Curcuma longa*) Tea on the Lipid Profiles of Hypercholesterolemic Patients**

Dr. Elvira Donado, Ateneo de Davao University

**Level of Information and Education Campaign on Solid Waste Management and Household Practices on Solid Waste Disposal in Butuan City**

Dr. Fernando Herrera, St. Joseph Institute of Technology

## II. Scholars and Research Grantees

### **Doctoral Degree Completed**

#### **Razel Kawano**

DrPH Medical Microbiology (UP Manila)  
San Lazaro Hospital

### **Ongoing**

#### **Amy Calumpang**

PhD Pharmacy (UST)  
University of San Carlos

#### **Merlyn Cruz**

PhD Molecular Biology and Biotechnology (UP Diliman)  
Angeles University Foundation

#### **Clarissa Yvonne Domingo**

DrPH Medical Microbiology (UP Manila)  
Central Luzon State University

#### **Romeo Gundran**

DrPH Epidemiology (UP Manila)  
Central Luzon State University

#### **Susana Juangco**

DrPh Health Promotion and Education (UP Manila)  
Department of Health

#### **Daria Manalo**

DrPH Medical Parasitology (UP Manila)  
Research Institute for Tropical Medicine

#### **Victorio Molina**

PhD Environmental Science (UP Los Banos)  
University of the Philippines Manila

#### **Paulo Maria Pagkatipunan**

DrPH Health Promotion and Education (UP Manila)  
Philippine General Hospital

#### **Ligaya Picazo**

DrPH Medical Microbiology (UP Manila)  
Research Institute for Tropical Medicine

#### **Ana Maria A. Bacudio**

DrPH Medical Microbiology  
UP CPH

#### **Pelin B. Belino**

PhD Human Nutrition  
University of the Philippines Los Baños

**Reynaldo D. Bundalian**  
DrPH Medical Microbiology  
University of the Philippines Manila

**Elvira A. Corcolon**  
PhD Botany  
University of the Philippines Los Baños

**Ernesto P. Gregorio, Jr.**  
DrPH Health Promotion  
University of the Philippines Manila

**Fortunata L. Baco**  
DrPH Epidemiology  
University of the Philippines Manila

**Rogelio S. Cruz**  
PhD Biological Sciences  
University of Santo Tomas

**Marie Christine M. Obusan**  
PhD Environmental Science  
University of the Philippines Diliman

**Myra D. Oruga**  
DrPH Health Education And Promotion  
University of the Philippines Manila

**Ma. Anna Rita M. Ramirez**  
PhD Nutrition  
University of the Philippines Diliman

**Gracia F. Varona**  
DrPH Parasitology  
University of the Philippines Manila

**Melissa D. Amosco**  
PhD MBB  
University of the Philippines Diliman

**Editha E. De Jesus**  
PhD Biological Sciences  
University of Santo Tomas

**Lara A. Maguad**  
PhD Philosophy Maj. Clinical Psychology  
University of Santo Tomas

**Ma. Theresa M. Talavera**  
DrPH Nutrition  
University of the Philippines Manila

**New**

**Stephen G. Sabinay**  
PhD Molecular Biology and Biotechnology

University of the Philippines Los Baños

**Romeo C. Ongpoy, Jr.**  
PhD Pharmacy  
University of Santo Tomas

**Christ John M. Pastor**  
PhD Biochemistry  
University of the Philippines Manila

**Mayrose L. Quezon**  
PhD Pharmacy  
University of Santo Tomas

**Mary Jane C. Ang**  
DrPH Medical Microbiology  
University of the Philippines Manila

**Julie Charmain O. Bonifacio**  
PhD Biology  
University of the Philippines Diliman

**Maricar W. Ching**  
PhD Biological Sciences  
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**Ceazar Ryan U. Cuarto**  
PhD Chemistry  
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**Jay T. Dalet**  
PhD Biochemistry  
University of the Philippines Manila

**Justin Rachelle P. Dimaguiba**  
PhD Biology  
St. Louis University

**Nancy V. Dumaguing**  
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University of the Philippines Manila

**Masteral Degree**

*Completed*

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**Rodolfo S. Del Rosario**

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*Ongoing*

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MSPH Medical Microbiology (UP Manila)  
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Angeles University Foundation

**Jericho Thaddeus Luna**

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**Lylah Reyes**

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**Ma. Grace Rosales**

MS Biostatistics (UP Manila)  
Manila Central University Filemon D. Tanchoco Medical Foundation

**Evelyn Suasin**

MS Microbiology (UST)  
Siliman University

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**Erika Marie R. Alvero**

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**Niño Dal M. Dayanghirang**  
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**Christopher C. De Jesus**  
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**Zohra Jane T. Esperal**  
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**Mary Luz R. Fiangaan**  
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**Patricia Isabel T. Gayya**  
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**Analyn S. Idio**  
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**Ma. Verna Y. Intal**  
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University of the Philippines Diliman

**Cindy C. Llego**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Mark Anthony DV. Luz**  
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**Gaiselle F. Mabeza**  
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University of the Philippines Diliman

**Ma. Charisma T. Malenab**  
MS Environmental Science  
University of the Philippines Los Baños

**Filipina L. Misalang**  
MS Pharmacy  
St. Louis University

**Rosabella B. Montes**  
MSPH Biostatistics  
University of the Philippines Manila

**Michelle T. Onoza**  
MS Pharmacy  
St. Louis University

**Marilyn C. Paredes**  
MS Pharmacy  
St. Louis University

**Celia Amor B. Pataray**  
MS Applied Physics (Medical)  
University of Santo Tomas

**Jean H. Perez**  
MS Chemistry  
University of San Carlos

**Cherie Grace G. Quingking**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Jesamine F. Rebugio**  
MS Environmental Science  
University of the Philippines Los Baños

**Michael V. Resuello**  
MSPH Epidemiology  
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**Reynita A. Silang**  
MS Pharmacy  
St. Louis University

**June Louise R. Tan**  
MS Pharmacy  
St. Louis University

**Ana Jamille E. Advincula**  
MS Applied Physics (Medical)  
University of Santo Tomas

**Jhoe Anthony R. Alfon**  
MS Molecular Medicine  
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**Recylyn I. Bayna**  
MS Applied Nutrition  
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**Jesus Arnel B. Belenzo**  
MS Asian Health Practices  
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**Reuel M. Bennett**  
MS Biological Science  
University of Santo Tomas

**Ver Luanni F. Bilano**  
MSPH Biostatistics  
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**Linoernbar D. Blanco**  
MS Asian Health Practices  
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**Christine Joy N. Caballero**  
MS Pharmacy  
University of Santo Tomas

**Loraine Kay D. Cabral**  
MS Molecular Medicine  
St. Luke's College of Medicine

**Melania M. Cabauatan**  
MS Applied Physics (Medical)  
University of Santo Tomas

**Cristine R. Casingal**  
MS Molecular Medicine  
St. Luke's College of Medicine

**Adlai Jerome F. Cipriano**  
MS Asian Health Practices  
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**Mac Gerald V. Cueto**  
MS Asian Health Practices  
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**Ferdinand P. Dayro**  
MS Asian Health Practices  
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**April Joy G. David**  
MSPH Epidemiology  
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**Xenia P. David**  
MS Pharmacology  
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**Rochee M. De Leon**  
MSPH Epidemiology  
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**Lindsay Sydney N. Fajardo**  
MS Molecular Medicine  
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**Eisha Vienna M. Fernandez**  
MS Biological Science  
University of Santo Tomas

**Andrei Odin S. Go**  
MSPH Epidemiology  
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**Clarissa B. Juanico**  
MS Applied Nutrition  
University of the Philippines Los Baños

**Maria Ruby L. Lamac**  
MS Epidemiology  
University of the Philippines Manila

**Shenjira A. Landicho**  
MS Epidemiology  
University of the Philippines Manila

**Jomar Aries T. Laurente**  
MS Applied Physics (Medical)  
University of Santo Tomas

**Bismark Oliver C. Lemana**  
MS Biological Sciences  
University of Santo Tomas

**Maria Kristina S. Maaño**  
MS Applied Physics (Medical)  
University of Santo Tomas

**Jun Ryan C. Orbina**  
MSPH Medical Microbiology  
University of the Philippines Manila

**Maria Catherine B. Otero**  
MSPH Medical Microbiology  
University of the Philippines Manila

**Geraldine F. Pagarigan**  
MSPH Tropical Medicine  
University of the Philippines Manila

**Lia Aileen M. Palileo**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Jayson C. Pedro**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Daryl C. Romero**  
MSPH Epidemiology  
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**Leilani R. Rubian**  
MS Applied Nutrition  
University of the Philippines Los Baños

**Daile Meek C. Salvador**  
MS Biology  
University of the Philippines Diliman

**Meophilia G. Santos-Cao**  
MSPH Epidemiology  
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**Irving Tan**  
MS Molecular Medicine  
St. Luke's College of Medicine

**Gamaliel G. Tayao**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Jericho M. Galvez**  
MS Chemistry  
De La Salle University

**New**

**Lord Ryan D. Barbas**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Jonathan C. Monis**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Irvine Michael B. Alba**  
MS Medical Physics  
University of Santo Tomas

**Maricel L. Amiler**  
MS Chemistry  
Mindanao State University-Iligan Institute of Technology

**Junlie Marie B. Angeles**  
MS Medical Physics  
University of Santo Tomas

**Alyssa Gaye R. Arago**  
MS Asian Health Practices  
University of the East Ramon Magsaysay Memorial Medical Center

**Eugene M. Arbis**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Richard C. Arceo**  
MS Molecular Medicine  
St. Luke's Medical Center

**Vermont E. Arvesu**  
MS Pharmacology  
University of the Philippines Manila

**Ace Lennon N. Babasa**  
MS Asian Health Practices  
University of the East Ramon Magsaysay Memorial Medical Center

**Brian A. Bacay**  
MSPH Parasitology

University of the Philippines Manila

**Stephanie Ann G. Balid**  
MA Clinical Psychology  
University of Santo Tomas

**Raquel T. Balisi**  
MS Medical Physics  
University of Santo Tomas

**Rina Victoria C. Baluyot**  
MS Biological Sciences  
University of Santo Tomas

**Princess Wendy A. Bayona**  
MS Molecular Medicine  
St. Luke's Medical Center

**Alisa P. Bernan**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Andelson L. Berondo**  
MS Medical Physics  
University of Santo Tomas

**Ryan Rey E. Bondoc**  
MS Biology  
University of the Philippines Diliman

**Joybel G. Bugna**  
MS Medical Physics  
University of Santo Tomas

**Rose Mabelle C. Buhain**  
MSPH Epidemiology  
University of the Philippines Manila

**Jacqueline Rose T. Burgos**  
MS Molecular Biology & Biotechnology  
University of the Philippines Los Baños

**Carl Vincent D. Cabanilla**  
MS Chemistry  
University of the Philippines Diliman

**Lorrenne C. Caburatan**  
MS Biology  
Mindanao State University-Iligan Institute of Technology

**Carla Lenore F. Calumpang**  
MS Molecular Biology & Biotechnology  
University of the Philippines Los Baños

**Jean Pauline C. Chi**  
MS Asian Health Practices  
University of the East Ramon Magsaysay Memorial Medical Center

**Ramel E. Claros**  
MS Food Science & Technology  
Visayas State University

**Elaine S. Cortez**  
MS Medical Physics  
University of Santo Tomas

**Richel Erin B. Cu**  
MSPH Epidemiology  
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**Audrey Glenn L. Culliao**  
MS Biology  
St. Louis University

**Joyce Ann T. De Guzman**  
MS Medical Physics  
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**Frederick B. De La Cruz**  
MS Molecular Medicine  
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**Marco P. De Leon**  
MS Biochemistry  
University of the Philippines Manila

**Isabel D. Dicdican**  
MS Chemistry  
Mindanao State University-Iligan Institute of Technology

**Roujahn M. Durante**  
MS Medical Physics  
University of Santo Tomas

**Jose Patrick Ryan D. Espiritu**  
MS Medical Physics  
University of Santo Tomas

**Emmanuel P. Estrella**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Terence Diane F. Fabella**  
MS Pharmacology  
University of the Philippines Manila

**Wally B. Franks**  
MS Occupational Health  
University of the Philippines Manila

**Mischelle D. Flormata**  
MA Clinical Psychology  
University of Santo Tomas

**Mary Grace M. Galang**  
MS Chemistry  
University of Santo Tomas

**Cristina J. Garcia**  
MSPH Nutrition  
University of the Philippines Manila

**David Solo R. Gigawin**  
MS Molecular Medicine  
St. Luke's Medical Center

**Karen Ruth P. Gorio**  
MS Medical Physics  
University of Santo Tomas

**Mariane Amparo P. Guzman**  
MS Population Studies (Demography)  
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**Maria Christa A. Hernandez**  
MS Pharmacy,  
University of Santo Tomas

**Criselda B. Inot**  
MS Food Science & Technology  
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**Divina Gracia T. Joseph**  
MS Medical Physics  
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**Annie Lorraine B. Joyas**  
MS Medical Physics  
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**Wendell Lou B. Ladion**  
MS Biology  
Mindanao State University-Iligan Institute of Technology

**Anna Guia O. Limpoco**  
MS Clinical Medicine- Family and Community Medicine  
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**Stephen B. Lirio**  
MS Chemistry  
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**Albert M. Llagas**  
MS Medical Physics  
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**Christina Y. Loquere**  
MS Chemistry  
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**Daryl Gene N. Magada**

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**Jansen V. Mendez**

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**Nikki Yvette B. Mendoza**

MS Medical Microbiology

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**Maria Michelle Joy O. Oco-Panganiban**

MS Clinical Medicine- Family Med

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**Jake Ryan B. Oliganga**

MS Medical Physics

University of Santo Tomas

**Meriska Monica F. Paglinawan**  
MS Medical Physics  
University of Santo Tomas

**Alfons Jayson O. Pelgone**  
MS Medical Physics  
University of Santo Tomas

**Roderic V. Perez**  
MS Food Science & Technology  
Visayas State University

**Renz Carlo L. Pineda**  
MS Medical Physics  
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**Catherine Jane M. Placino**  
MSPH Epidemiology  
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**Shienna Marie A. Pontillas**  
MS Chemistry  
University of the Philippines Diliman

**Ronela G. Puylong**  
MS Biological Sciences  
University of Santo Tomas

**Charles Darwin T. Racadio**  
MS Environmental Science  
University of the Philippines Diliman

**Carly Simon P. Ramirez**  
MS Microbiology  
University of Santo Tomas

**Mark Anthony R. Rivera**  
MSPH Epidemiology  
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**Emily V. Romero**  
MS Applied Nutrition  
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**Mary Rose D. Rosario**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Fjorda Kim R. Rubian**  
MS Medical Physics  
University of Santo Tomas

**Regina M. Salmasan**  
MS Chemistry  
De La Salle University

**Krystle Angelique A. Santiago**  
MS Medical Physics  
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**Kristina M. San Jose**  
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**Eugene C. San Pascual**  
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**Alton John T. Sayson**  
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**Jan Michael B. Serdiña**  
MS Medical Physics  
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**Marikka Thaenia V. Solana**  
MS Clinical Medicine- Family and Community Medicine  
University of the Philippines Manila

**Jayson P. Soriano**  
MSPH Epidemiology  
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**Simonette C. Soriano**  
MS Clinical Epidemiology  
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**Ava Kristy D. Sy**  
MS Microbiology  
University of Santo Tomas

**Dona May O. Taguba**  
MS Medical Physics  
University of Santo Tomas

**Crimson C. Tayco**  
MS Molecular Biology&Biotechnology  
University of the Philippines Diliman

**Franklin U. Toledo**  
MS Medical Physics  
University of Santo Tomas

**Jeremy Martin O. Torres**  
MS Microbiology  
University of Santo Tomas

**Marcelino R. Tradio, Jr**  
MS Chemistry  
University of San Carlos

**Isidro C. Ursua**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Elenore Judy B. Uy**  
MS Clinical Epidemiology  
University of the Philippines Manila

**Realyn Joy I. Uy**  
MS Medical Physics  
University of Santo Tomas

**Madonna M. Valenzuela**  
MSPH Biostatistics  
University of the Philippines Manila

**Jericha Carina D. Victorino**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Warren S. Vidar**  
MS Chemistry  
University of Santo Tomas

**Estella Grace M. Viguilla**  
MS Asian Health Practices  
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**Namnama P. Villarta**  
MS Clinical Epidemiology  
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**Karmille Allyson D. William**  
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**Jennifer Maries G. Yap**  
MS Biological Sciences  
University of Santo Tomas

**Juzzel Ian B. Zerrudo**  
MS Medical Physics  
University of Santo Tomas

**Airnel T. Abarra**  
MS Human Movement Science  
University of the Philippines Diliman

**Joshua B. Arimado**  
MS Pharmacy  
University of Santo Tomas

**Joseph Joy G. Banzon**  
MS Medical Technology  
University of Santo Tomas

**Maria Fonseca Camille T. Baroña**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Enrique-Rene G. Bernabe**  
MS Pharmacy  
University of Santo Tomas

**Neri O. Camitan**  
MS Molecular Biology & Biotechnology  
University of the Philippines Los Baños

**Kim L. Cochon**  
MSPH Biostatistics  
University of the Philippines Manila

**Maria Lourdes Carmelle M. Daroy**  
MS Pharmacy  
University of Santo Tomas

**Glenn Sandee C. Del Rosario**  
MSPH Medical Microbiology  
University of the Philippines Manila

**Paul Raymond S. Dimafelix**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Richard I. Encarnacion**  
MS Molecular Biology & Biotechnology  
University of the Philippines Diliman

**Marya Laya O. Espaldon**  
MS Environmental Science and Management  
University of the Philippines Los Baños

**April Dyan R. Furia**  
MSPH Biostatistics  
University of the Philippines Manila

**Anna Katrina A. Javier**  
MSPH Epidemiology  
University of the Philippines Manila

**Blessie T. Jimeno**  
MS Food Science  
University of the Philippines Los Baños

**Plebeian B. Medina**  
MS Medical Technology  
Philippine Women's University

**Roderick M. Napulan**  
MSPH Biostatistics  
University of the Philippines Manila

**Marie Faye R. Nguyen**  
MS Applied Nutrition  
University of the Philippines Los Baños

**Kristine M. Reyes**  
MS Occupational Health  
University of the Philippines Manila

**Ruth Irene N. Reyes**  
MS Population Studie  
University of the Philippines Diliman

**Christia May V. Sia**  
MS Medical Physics  
University of Santo Tomas

**Davidson B. Teh**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

**Hilda T. Uy**  
MSPH Epidemiology  
University of the East Ramon Magsaysay Memorial Medical Center

## **Dissertation Grantees**

### ***Completed***

**Mary Ann Ladia**  
PhD Medical Anthropology (University of Michigan, USA)  
University of the Philippines Baguio  
*Globalization of Health Knowledge in the Philippines: Tuberculosis and Infectious Other*

**Imelda Peña**  
PhD Epidemiology (UP Manila)  
University of the Philippines - Manila  
*Correlates and Pharmacoeconomic Evaluation of Treatment Delay Among New Smear Positive Tuberculosis Patients in Caloocan City*

### ***Ongoing***

**Christine Hernandez**  
PhD Chemistry (UP Diliman)  
UP Institute of Chemistry  
*Isolation and Structural Elucidation of Potential Anticancer Agents from Philippine Terrestrial Plants*

**Jose Mallari**  
PhD Biological Science (UST)  
Manila Central University  
*Production of Biodegradable Polybeta-hydroxybutarate from Sugarcane Molasses and Sulphite Waste Liquors by Batch and Fed-batch Fermentation*

**Magdalena Natividad**

PhD Molecular Biology (UP Manila)

Far Eastern University Nicanor Reyes Medical Foundation

*A Study on Kawasaki Disease: Its Association with the T-Cell Receptor V-Beta-2 Chain and Its Gene Segment, and the Clonality of the T-Cell Response*

**Eileen Vitug**

PhD Biological Science (UST)

Pamantasan ng Lungsod ng Maynila

*Sensitivity of the Microalgae Chlorococcum humicola and Scenedesmus quadricauda and the Macrophytes Spirodela polyrhiza, Lemna paucicostata, and Pistia stratiotes to Atrazine, Butachlor, and Glyphosate*

**Soledad Castañeda**

PhD Environmental Science,

University of the Philippines Diliman

*“Isotope & chemical techniques in assessing the vulnerability of critical fresh water sources in MM”*

**Maria Pura Rayco-Solon**

PhD Epidemiology & Population Health

London School Of Hygiene & Tropical Medicine

*“Nutrient-gene regulation of birth size and post natal growth”*

**Juan Antonio Solon**

PhD Epidemiology & Population Health

London School Of Hygiene & Tropical Medicine

*“Mucosal immunity in severely malnourished children”*

**Ruby J. Apilado**

PhD Food Science

University of the Philippines Diliman

*“Response Surface Model for Bacillus Cereus Germination in Iron Fortified Rice during Hold-On and Re-Heating”*

**Erna C. Arollado**

PhD Philosophy In Pharmacy

University of Sto. Tomas

*“Preclinical, Preformulation and Clinical Assessment of Alternanthera sessilis (L.)R. Br. (AMARANTHACEAE) for Hemoglobin Augmentation in Iron Deficiency Anemia (IDA)”*

**New**

**Clarissa R. Cabauatan**

PhD Biological Sciences

University of Sto. Tomas

*“Pollen Aerobiology and Pollen-specific Immunoglobulin-E Levels in Selected Allergic Patients in Bayombong Nueva Vizcaya”*

**Thesis**

**Completed**

**Vanissa A. Ong**

MS Microbiology

University of the Philippines Diliman

*“Development of a Rapid Antigen Detection Assay for Trichomonas vaginalis Infection in the*

*Philippines”*

**Herbert J. Santos**

MS Microbiology

University of the Philippines Diliman

*Kinetic analysis of Antibody Responses to Blastocystis hominis in sera & intestinal secretion from orally infected mice and partial characterization target of antigen*

**Aileen R. De Juras**

MS Applied Nutrition

University of the Philippines Los Baños

*Evaluation of the Saglip Putla Program: Anemia Detection and Treatment in Bulaka, Bulacan, Philippines*

**Dr. Rosanna De Guzman**

MSPH Epidemiology (UP Manila)

Philippine General Hospital

*Screening for Depression and Anxiety among In-patients of the UP-PGH: A Validation Study of a Self-Report Questionnaire at the University of the Philippines - Manila*

**Ongoing**

**Milfe Ababa**

MS Biology (MSU)

Mindanao State University - Iligan Institute of Technology

*Immunohistochemical Profile of Breast Cancer in Cagayan de Oro City*

**Joanna Orejola**

MS Biochemistry (UP Manila)

University of the Philippines Manila

*Isolation, Partial Purification, and Preliminary Study on the Cytotoxicity of Compounds from Carica papaya CV. Linn. Extracts*

**Paul Matthew Pasco**

MS Clinical Epidemiology (UP Manila)

Philippine General Hospital

*Diagnostic Features of Tuberculosis Meningitis: A Cross-Sectional Study*

**Ryan Pekson**

MS Pharmacology (UP Manila)

Adamson University

*Acute and Subacute Toxicity of Virgin Coconut Oil in Rodents*

**Celeste Soriano**

MS Biology (DLSU Manila)

St. Luke's Medical Center

*Comparative Analysis of Membrane Protein Content of Thalasemic Red Blood Cell using Immunofluorescence Assay and Sodium-Dodecyl-Sulfate Polyacrylamide Gel Electrophoresis (SDS-PAGE)*

**Ruel Taclibon**

MS Microbiology (UST)

Research Institute for Tropical Medicine

*Microscopic Observation Broth-Drug Susceptibility Assay: A Rapid Method of Drug Sensitivity Testing for Mycobacterium Species*

**Heide Frisco**

MS Biochemistry

University of the Philippines Manila

*“Detection & genotyping of helicobacter pylori from biopsy specimens from the gastric antrum & corps of PGH patients using multiple PCR”*

**Evelyn Yumiaco**

MS Clinical Epidemiology

University of the Philippines Manila

*“A cohort study on association between the acceptance of the directly observed treatment short course (DOTS)”*

**Jaime C. Montoya**

MS Bioethics

University of the Philippines Manila

*“Validation of the Emanuel Criteria for Determination of Undue Inducement of Research Participants in Clinical Trials Research: Philippine Context”*

**Maricel Q. Corpuz**

MS Biology

Ateneo de Manila University

*“Identification, Cloning and Characterization of Ribosome- Inactivating Protein (RIP) Genes in Selected Species of Jatropha and Euphorbia”*

**Ma. Irene P. Dela Cruz**

MS Biochemistry

University of the Philippines Manila

*“Development of an Indirect Double Antibody ELISA for the Detection of Brugia malayi Asparaginyl-Trna Synthetase Antigen”*

**Kathleen G. Bersabal**

MS Pharmacy

University of the Immaculate Concepcion

*“High Performance Liquid Chromatography Assay on Generic Amoxicillin Capsules from Selected Hospitals and Drugstores in Davao City”*

**Anna Muriel T. Jacinto**

MS Pharmacy

University of Santo Tomas

*“Comparative Antimicrobial Property of the Matured Trunk and Stem Bark Extract of Tamarindus indica Linn., Preformulation, Development and Quality Control of Cream”*

**Levi Letlet II H. Larcia**

MS Biochemistry

University of the Philippines Manila

*“A Study of the Bacterial Profile of Philippine Fermented Mustard(Burong Mustasa) through Culture-Independent Methods”*

**New**

**Gina C. Castro**

MS Pharmacy

University of Santo Tomas

*“The antioxidant, Anti-angiogenic and Antimutagenic Potentials of the Methanolic Leaf Extract of Greeiopsis Multiflora (Elm) Merr. (Rubiceae)”*

**James Christopher C. Chua**

MSPH Medical Parasitology

University of the Philippines Manila

*“Morphometric and Genetic Comparison of Oncomelania Hupensis Quadrasii (Mollendorf Gastropoda: Pomatiopsidae) Geographic Isolates in the Philippines”*

**Ana Lorraine D. De La Vega**

MS Applied Nutrition

University of the Philippines Los Baños

*“Determination of the Factors affecting the Nutritional Status of Infants (0-23 months) Indigenous People (Iraya Tribe) in Abra de Ilog”*

**Mona Liza H. Flores**

MS Pharmacology

University of the Philippines Manila

*“Acute Oral and Acute Dermal Toxicity Study of Dioscorea hispida (nami) Aqueous Plant Extract on Sprague-Dawley Rats”*

**Maria Catherine Jane V. Javier**

MS Pharmacology

University of the Philippines Manila

*“Acute Oral and Acute Dermal Toxicity of Aqueous Extract of Gemelina arborea Roxb. (Family Verbenaceae) Leaves”*

**May T. Magtoto**

MS Pharmacy

University of Santo Tomas

*“Suitability of the Gum from the bark of Antipolo tree (Artocarpus blancoi Elmerr.): as a Drug Suspending Agent”*

**Giane Paula P. Ruiz**

MS Pharmacy

Centro Escolar University

*“Effect of Glycine soja (soybeans) on Low Density Lipoprotein Cholesterol (LDL-C)”*

**Bienvenido S. Balotro**

MS Industrial Pharmacy

University of the Philippines Manila

*“Safety, Efficacy and Stability of the Pediculidal Hair Cream from the Methanolic Extract of the stem of Tinospora crispa (Linne) Miers ex Hooker filius & Thomson”*

**Dianne L. Dizon**

MS Microbiology

University of Santo Tomas

*“Biological activities of Marine Fungi Isolated from Philippine Seagrasses”*

**Marie Grace B. Lavadia**

MS Microbiology

University of Santo Tomas

*“Antimicrobial And Antibiofilm Activities Of The Secondary Metabolites Of Algicolous Fungi”*

**Mary Ann H. Lucena**

MS Biology

Mindanao State University-Iligan Institute of Technology

*“DNA fingerprint of extended spectrum B-Lactamase-producing Enterobacteriaceae from clinical samples at Mindanao Sanitarium and Hospital”*

**Vanessa M. Manila**

MA Health Policy Studies

University of the Philippines Manila

*“Analysis and evaluation of policies implementing the advanced practice nursing in the Philippines”*

**Alfie Dominic A. Maypa**

MS Medical Technology

University of Santo Tomas

*“Association between Homocysteine and Coronary Artery disease among Filipino Patients”*

**Candids Patrice A. Reyes**

MS Biochemistry

University of the Philippines Manila

*“Oral Microbial Diversity Analysis of Caries-free and Caries-Active Healthy Filipino Adults through 16S Ribosomal RNA Gene”*

**Research Fellowship**

***Ongoing***

**Ms. Minerva L. Daya**

*The Correlation of Histo-Pathologic Morphology to Poor Diagnosis of HER2neu Expression Among Filipino Patients Diagnosed for Ovarian Epithelial Malignancies*

Sending Institution: University of Santo Tomas - College of Pharmacy

Host Institution: University of Santo Tomas

**III. Regional Training, Seminars, and Workshops**

**Research and Development, Advocacy/Promotion and Research Generation**

Mindanao State University-Iligan Institute of Technology, Iligan City

11 December 2009

**Health Research Forum**

Capitol University, Cagayan de Oro City

4 December 2009

**Training on Good Clinical Practice**

Colegio San Agustin-Bacolod, Bacolod City

3-4 December 2009

**Systematic Review and Meta-Analysis Workshop**

Davao Medical School Foundation, Davao City

27-28 November 2009

**R1HRDC Health Research Agenda Updating**

NEDA-Conference Room, San Fernando City, La Union

27 November 2009

**Seminar Workshop on Ethics in Health Research**

Mariano Marcos Memorial Hospital and Medical Center, Batac, Ilocos Norte

23-25 November 2009

**Seminar Workshop Revisiting the Regional Unified Health Research Agenda of Region 3**

Century Resort Hotel, Angeles City P 1,000

23-24 November 2009

**Seminar Workshop on Ethics in Health Research (DOST-ARMM and DOST-XII)**  
EMR Center, Koronadal City  
12 November 2009

**Workshop on Priority Setting of Health Research Agenda in Cebu City**  
Holy Family Retreat Nivel Hills, Lahug Cebu City  
11-14 November 2009

**Research Proposal Writeshop**  
Kimberly Hotel, Tagaytay City  
10 November 2009

**Planning Workshop on Priority Health Research Programs for Region VI**  
Iloilo Grand Hotel, Iloilo City  
9-10 November 2009

**CVHRDC Writeshop**  
St. Paul University, Tuguegarao City  
5-6 November 2009

**Training on Technical Research Paper Writing and Presentation**  
West Visayas State University Medical Center  
3-4 November 2009

**Training on HERDIN & Networking of Libraries**  
Liceo de Cagayan University, Cagayan de Oro City  
19-22 October 2009

**Health Research Forum**  
Capitol University, Cagayan de Oro City  
13 October 2009

**Health Research Forum**  
Liceo de Cagayan University, Cagayan de Oro City  
1 October 2009

**Writeshop on Health Research Proposals**  
Angeles University Foundation, Angeles City  
22-24 September 2009

**Writeshop of Research Proposals**  
Saint Paul University Philippines, Tuguegarao City  
11 September 2009

**Research Methods Training/Workshop**  
Green Papaya Hotel and Resort, Silang Cavite  
10-12 September 2009

**R1HRDC Plan Assessment and Health Research Agenda Updating (Part 1)**  
NEDA Conference Room, San Fernando City, La Union  
3 September 2009

**Basic Research and Ethics Training (ARMM and Region X Joint Activity)**  
Pop-Com-X Office, Cagayan de Oro City  
2-4 September 2009

**Short Course on Applied Health Research Among LGUs, Health Workers and NGO's**  
College of Arts and Sciences, University of the Philippines - Manila  
19-21 August 2009

**Seminar Workshop on Writing Research Proposals on Health Related Disciplines**  
Angeles University Foundation, Angeles City  
8 and 9 July 2009

**Training Seminar on Intellectual Property Rights**  
Puerto de San Juan Resort Hotel and Realty Corp, San Juan, La Union  
29-30 June 2009

**Workshop on Development of the Data Collection Instrument**  
CIM Audio Visual Rm  
22 June 2009

**PNHRS SOME Consultation Meeting with MMHRDC**  
Hotel Kimberly, Ermita, Manila  
22 June 2009

**AUF-Institutional Review Board and Ethics Committee Members Training**  
Angeles University Foundation, Angeles City  
27 May 2009

**Research Validation Seminar**  
Grand Astoria Hotel, Zamboanag City  
18 May 2009

**Ethics Review in Research Seminar**  
Garden Orchid Hotel, Zamboanga City  
15 May 2009

**UERRMMC and NorMinCoHRD Research Management Training**  
Xavier University, Cagayan de Oro City  
7-9 May 2009

**Seminar Workshop on the Principles of Good Clinical Practice and Research Ethics**  
Waling-waling I, MTRC-DMSF  
1 - 2 April 2009

**Workshop on Biomedical Research Methodology**  
CIM Audio Visual Rm  
30, 31 March & 1 April 2009

**IPO Training**  
Ritz Tower, Tacloban City  
25-26 March 2009

**Working with Literature and Developing Research Frameworks**  
CHD-CAR  
24 March 2009

**Scientific Writing Seminar Workshop**  
University of the Philippines, Iloilo City  
12 March 2009

**CLHRDC 1<sup>st</sup> Anniversary Celebration, Training Needs Assessment Workshop and Lecture on Ethics**

PS Building Rm 308, Angeles University Foundation, Angeles City  
9 March 2009

**Research Problem Refinement through Computer-Based Research Literature Search Engines**

CIM Computer Rm  
26 February 2009

**Social Sciences and Natural Science Congress**

Region 10  
15-17 February 2009

**Health Research Forum**

Xavier University, Cagayan de Oro City  
February 2009

**Writeshop on Protocol Development on Health Research**

Luciana Convention Center, Butuan City  
26-27 January 2009

**IV. Health Research Dissemination Activities Conducted/Participated In (Fora, Symposia, Conferences, Fairs, Exhibits)**

**2009 Northern Luzon Cluster Fair**

SM Rosales, Pangasinan  
3-6 December 2009

**5<sup>th</sup> National Biotechnology Week**

Nido Fortified Science Discovery Center, Mall of Asia, Pasay City  
23-29 November 2009

**2009 Southern Luzon Cluster Fair**

SM Sta. Rosa, Laguna  
9-13 November 2009

**Mindanao DOST Regions Cluster S&T Celebration**

Davao City  
23-27 September 2009

**Mindanao DOST Regions Cluster S&T Celebration**

Butuan City  
14-18 September 2009

**5<sup>th</sup> Visayas Cluster S&T Fair**

Bacolod City  
17-22 August 2009

**PNHRS Week Celebration**

Davao City  
12 -14 August 2009

**5<sup>th</sup> Visayas Cluster S&T Fair**

Tacloban City

3-7 August 2009

**Symposium on the Shift Work and Health Research: Towards Productivity Improvement and Risk Reduction**

Sentro Oftalmologica Jose Rizal building, UP PGH, Manila

31 July 2009

**National Science and Technology Week - Metro Manila Health Research Consortium**

Robinson's Place Manila

22-24 July 2009

**Scientific Forum on Drug Discovery on Herbal Medicine**

Renaissance Hotel, Makati City

22 July 2009

**PWU Nutrition Month Celebration**

Philippine Women's University

28 July 2009

**IP Protection and Technology Commercialization Seminar at Marco Polo Hotel**

Marco Polo Hotel, Davao City

13 July 2009

**31<sup>st</sup> Annual Scientific Meeting (ASM)**

Manila Hotel, Roxas Boulevard, Manila

8-9 July 2009

**OYSI 4th Annual Meeting and Scientific Convention**

Manila Hotel, Roxas Boulevard, Manila

07 July 2009

**Technology presentation of Tsaang gubat tablet for gastrointestinal or biliary colic**

Kimberly Hotel, Manila

19 June 2009

**Science Information Forum on Healthy Lifestyle: Secret of Graceful Living**

Manila Hotel, Roxas Blvd., Manila

14 May 2004

**4th Annual Asia - Pacific Biosafety Conference**

Hyatt Hotel and Casino Manila, Pedro Gil Street, Manila

27 - 30 April 2009

**OYSI Regional Symposium on Global Environmental Changes and Local Changes**

Benguet State University, La Trinidad, Benguet

20 - 21 April 2009

**First Asia - Pacific Conference on Chemistry Education and 24<sup>th</sup> Philippine Chemistry Congress**

Bohol Tropics Hotel, Tagbilaran City, Bohol

14 - 16 April 2009

**Symposium in Advocacy and Awareness on Biosafety and Biosecurity**

Makati City Hall, Makati City

17-19 March 2009

**PCHRD 27th Anniversary**

Pan Pacific Hotel, Manila

16 March 2009

**PCHRD - PCP Joint Press Conference on “Launching of Toxicology website, and Sustaining Health Research”**

Anabel's Restaurant, Tomas Morato, Quezon

24 February 2009

**Launching of a coffee table book entitled ”For Love of Children by Perla Santos Ocampo, The Scientist and Humanist”**

Pan Pacific Hotel, Manila

13 February 2009,

**National Institutes of Health - UP Manila 11th Year Anniversary Conference on “Health Research Towards Reducing the Burden of Disease of Poverty and National Health Research Ethics”**

Pan Pacific Hotel, Manila

12 -13 February 2009

**V. International Conferences, Meetings, Training and Fora Participated in by PCHRD**

**2009 Korea Institute of Science and Technology Evaluation Planning (KISTEP) and International Science and Technology and Innovation Centre (ISTIC) R & D Management Program for High Level Policy Makers**

Seoul, Korea

16-20 November 2009

**WHO Training in Tropical Disease Regional (TDR) Consultation meeting with Stakeholders on Research on Infectious Diseases of Poverty in Asian Countries**

Vientiane, Lao PDR

23 October 2009

**WHO Consultation on Clinical Aspects of Pandemic (H1N1) 2009 Influenza**

Washington, DC

14-16 October 2009

**RONPAKU Scholarship Program**

Tokyo, Japan

5-10 October 2009

**Tenth Advanced Vaccinology Course (ADVAC)**

Les Pensieres, Veyrier-Du Lac, France

18-29 May 2009-12-28

**Collaborating Arrangements for Global Health Research**

Geneva, Switzerland

11 May 2009

**Media Mileage**

***Print***

**Giving Filipinos Greater Access to Affordable Drugs**

Philippines Daily Inquirer, 24 September 2009

**A Passion for Life**

Business Mirror, 23 September 2009

**Support Surged for Unified Health Research Agenda**  
The Philippine Star, 17 September 2009

**DOH: Don't forget dengue**  
Business Mirror, 10 September 2009

**PNHRS group calls for NUHRA support**  
Manila Bulletin, 07 September 2009

**AH1N1 High Mortality Rate Explained**  
Amepa Express, 01 September 2009

**IRR readied for broad-based tech projects**  
Manila Bulletin, 21 August 2009

**10 state colleges, universities to offer biotechnology courses**  
Philippine Star, 20 August 2009

**Novartis BioCamp**  
Malaya, 17 August 2009

**Cultivating skills of Pinoy Scientist**  
People's Journal, 15 August 2009

**3<sup>rd</sup> PNHRS Week Celebration Slated at Marco Polo Hotel, Davao City**  
Philippine Information Agency, 13 August 2009

**Research on Mindanao health, food to be tackled in Davao conference**  
Business Mirror, 12 August 2009

**Search on for representatives to international biotech meet**  
Malaya, 06 August 2009

**Improving health systems through research**  
Philippine Daily Inquirer, 03 August 2009

**Search on for RP representatives to int'l biotech meet in Cambridge**  
Philippine Star, 30 July 2009

**DOST to give free vaccines to elderly**  
PNA, 20 July 2009

**Global medical Web search engine open to Pinoys**  
Business Mirror, 06 July 2009

**1,367 recover from flu**  
Manila Bulletin, 04 July 2009

**National forum on health research agenda held**  
Business World, 02 July 2009

**Improving health system through research**  
Philippine Star, 02 July 2009

**Medicine from Plants at your Fingertips**  
Growth, 01 July 2009

**WHO setting up Asia-Pacific medical index**  
Manila Times, 29 June 2009

**DOH: Don't forget dengue**  
Business Mirror, 10 June 2009

**National Health Research System Needed to Counter Swine Flu, Emerging Viruses**  
Senate Press, 26 May 2009

**To Combat AH1N1 Virus: Angara Calls for Institutionalization of RP's National Health Research System**  
Senate Press, 24 May 2009

**Affordable natural cough medicine**  
Malaya, 19 May 2009

**How Drug-secure Are We**  
Health and Lifestyle, 01 May 2009

**Combination vaccine vs 5 childhood diseases launched**  
Philippine Star, 30 April 2009

**Biomarkers for Filipino Cancer Patients**  
The Philippine Star, 22 April 2009

**Filipino Ingenuity Shines in Local Health Research**  
Manila Times. 19 April 2009,

**Genetics Research Towards Better Health for the Filipinos**  
The Philippine Star, 22 March 2009

**DOST, Novartis launch BioCamp**  
Manila Bulletin, 21 March 2009

**PCHR and Zuellig Foundation Partner to Put the Philippines in the World Toxicology Map**  
Manila Bulletin, 15 March 2009

**Toxicology Website Launched**  
The Philippine Star, 26 February 2009

**When It Comes To Cough, Natural Medicine Is In**  
The Philippine Star, 26 February 2009

**Website launched to help firms invest on health, drug research in RP**  
PNA, 26 February 2009

**National telehealth bill mulled**  
PNA, 25 February 2009

**Health research should prioritize local needs**  
Business World, 25 February 2009

**Radio**

**Prospects on Dengue (Dr. Filipinas Natividad)**  
DZEC, 24 November 2009

**Dengue (Dr. Regina Berba)**  
DZEM, 24 November 2009

**Swine Flu (Dr. Jaime C. Montoya)**  
Radyo Pilipinas, 15 August 2009

**Swine Flu (Dr. Jaime C. Montoya)**  
DZRB, 10 July 2009

**Herbal Medicine (Dr. Jaime C. Montoya)**  
DZEM, 10 June 2009

**Swine Flu (Dr. Jaime C. Montoya)**  
Radio Veritas, 02 June 2009

**Ang Galing Mo Dok, Tuberculosis (Dr. Jaime C. Montoya)**  
DZRH, 22 March 2009

**Bago Yan Ah, Summer Illnesses (Dr. Jaime C. Montoya)**  
DZMM-ABS-CBN, 22 March 2009

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
Radio Veritas, 05 March 2009

**PCHRD 27th Anniversary (Dr. Jaime C. Montoya)**  
DWAD, 02 March 2009

**IPR (Ms. Vicky Miranda)**  
DZME, 24 February 2009

**IPR (Ms. Vicky Miranda)**  
DWBR, 24 February 2009

**IPR (Ms. Vicky Miranda)**  
DZEC, 24 February 2009

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
DZEC, 24 February 2009

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
DWLS, 24 February 2009,

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
DWBR, 24 February 2009

**Traditional Medicine (Dr. Jaime C. Montoya)**  
DWBR, 24 February 2009

**PCHRD 27th Anniversary (Dr. Jaime C. Montoya)**  
DZEC, 24 February 2009

**PCHRD 27th Anniversary (Dr. Jaime C. Montoya)**  
DZME, 24 February 2009

**Sustaining Health Research (Dr. Jaime C. Montoya)**  
Annabel's Restaurant, FM 106.3, 24 February 2009

**Salmonella Food Poisoning (Dr. Jaime C. Montoya)**  
DZEM, 24 January 2009

***Television***

**NSTW 2009, MMHSC**  
NBN-4, 22 July 2009

**NSTW 2009, MMHSC**  
ABC-5, 22 July 2009

**Swine Flu (Dr. Jaime C. Montoya)**  
TV Patrol , ABS - CBN 2, 17 May 2009

**Dengue (Dr. Jaime C. Montoya)**  
ABS - CBN 2, 12 May 2009

**Swine Flu (Dr. Jaime C. Montoya)**  
Teleradyo , ABS - CBN 2, 02 May 2009

**Summer Diseases (Dr. Jaime C. Montoya)**  
ABC-5, 02 May 2009

**PCHRD 27<sup>th</sup> Anniversary (Dr. Jaime C. Montoya)**  
NET-TV, 24 February 2009

**PCHRD 27<sup>th</sup> Anniversary (Dr. Jaime C. Montoya)**  
ABS-CBN 2, 24 February 2009

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
Annabel's Restaurant, GMA - 7, 24 February 2009

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
Annabel's Restaurant, NBN - 4, 24 February 2009

**Toxicology Website (Dr. Kenneth Hartigan Go)**  
Annabel's Restaurant, ABC - 5, 24 February 2009

**IPR (Ms. Vicky Miranda)**  
NBN - 4, 24 February 2009

**IPR (Ms. Vicky Miranda)**  
NET - TV, 24 February 2009

**IPR (Ms. Vicky Miranda)**  
ABC - 5, 24 February 2009

**Sustaining Health Research (Dr. Jaime C. Montoya)**  
Annabel's Restaurant, ABC - 5, 24 February 2009,

**Alternative Medicine (Dr. Jaime C. Montoya)**  
NBN-4, 8 January 2009

*Online*

**Protocol for newborns could drastically decrease newborn deaths, says DoH**  
PCHRD Website, 21 December 2009

**Number of newborn deaths seen to drop soon**  
PCHRD Website, 15 December 2009

**Ascof Lagundi: Heal ye, heal ye**  
PCHRD Website, 24 November 2009

**Updates on the A (H1N1) flu**  
PCHRD Website, 24 November 2009

**Mindanao Consortia set to establish their research registries**  
PCHRD Website, 24 November 2009

**Conference Tackled Science and Social Impact of Global Climate Change**  
PCHRD Website, 24 November 2009

**PHREB Promotes Health Research Ethics in Koronadal City**  
PCHRD Website, 24 November 2009

**5th National Biotechnology Week Celebration Introduces the 5Ks**  
PCHRD Website, 24 November 2009

**Global health alliance targets hypertension, smoking**  
PCHRD Website, 24 November 2009

**ASEAN Sub-Committee on Biotech Endorses Mapping R&D Landscape for Infectious Tropical Diseases**  
PCHRD Website, 29 October 2009

**Acta Medica Philippina goes ONLINE**  
PCHRD Website, 22 October 2009

**UGAT Forum on Ethical Issues Tackles SIA for Large Scale Mining Projects**  
PCHRD Website, 21 October 2009

**Free Access to Sage Journals**  
PCHRD Website, 15 October 2009

**Global Climate Change Conference Set on October 22-23**  
PCHRD Website, 02 October 2009

**ASEAN Member Countries to Discuss Mapping R&D Landscape for Infectious Tropical Diseases**  
PCHRD Website, 02 October 2009

**Call for Abstracts: Value of Local Journal Publications**  
PCHRD Website, 29 September 2009

**18 Journals Signified Intention for WPRIM Inclusion**

PCHRD Website, 29 September 2009

**Giving Filipinos Greater Access to Affordable Drugs**

PCHRD Website, 24 September 2009

**Support urged for unified health research agenda**

PCHRD Website, 11 September 2009

**Novartis BioCamp Helps Develop New Breed of Scientists**

PCHRD Website, 11 September 2009

**Sugar - free Toothpaste, Affordable Drugs**

PCHRD Website, 8 September 2009

**Royan International Twin Congress to be held on 23-25 September 2009**

PCHRD Website, 4 September 2009

**MAHLAP Holds Symposium on Network and Communication Technologies**

PCHRD Website, 3 September 2009

**Novartis to Host Scientific Symposium on Dengue in RP**

PCHRD Website, 3 September 2009

**Experts: Research and Development Lagging in RP**

PCHRD Website, 3 September 2009

**Vaccine for pneumococcal diseases launched**

PCHRD Website, 24 August 2009

**MAHLAP to host Symposium on Network and Communication Technologies in Libraries**

PCHRD Website, 28 July 2009

**PCHRD Director is New SCA Prex**

PCHRD Website, 15 July 2009

**3rd PNHRS Week Celebration Puts the Spotlight on Regional Health Research Systems**

PCHRD Website, 15 July 2009

**GMA pins hope on new S&T scholars**

PCHRD Website, 13 July 2009

**Tight budget? Go for affordable natural cough medicines**

PCHRD Website, 03 June 2009

**Ernesto Illy Treste Science Prize Honors Outstanding Scientific Achievements**

PCHRD Website, 11 May 2009

**Regional Training Courses on Public Health in Complex Emergencies**

PCHRD Website, 11 May 2009

**Acta Medica Philippina Aims to Become the Country's National Health Science Journal**

PCHRD Website, 05 May 2009

**Acta Medica Philippina: The National Health Science Journal**

PCHRD Website, 04 May 2009

**Senate bill pushes for stronger health-related R&D**  
PCHRD Website, 29 April 2009

**When It Comes to Cough, Natural Medicine is In**  
PCHRD Website, 22 April 2009

**Biomarkers for Filipino Cancer Patients**  
PCHRD Website, 22 April 2009

**Nueva Ecija organic farm promotes medicinal plants**  
PCHRD Website, 16 April 2009

**Experts: cheap drugs won't solve poor health care**  
PCHRD Website, 26 February 2009

**Ensuring safe, quality drugs with bioequivalent generics**  
PCHRD Website, 26 February 2009

**This Cough Season, Go Natural**  
PCHRD Website, 28 January 2009

**Gov't, private sector partner to improve healthcare**  
PCHRD Website, 15 January 2009

**Make the Flu Shot a Healthy Habit**  
PCHRD Website, 15 January 2009

**Government, Private Sector Partner to Improve Healthcare**  
PCHRD Website, 15 January 2009