

(Title page)

*Nurturing inclusive diversity
for health and development*

2006 Annual Report

Philippine Council for Health Research and Development
Department of Science and Technology

Table of Contents

PCHRD	-
Messages	-
Nurturing inclusive diversity for a stronger health system	-
Research management for responsive health knowledge and innovations	-
Research ethics: Protecting the life and dignity of the human person	-
Strengthening the capacity for knowledge creation and health innovations	-
Research utilization: Reconciling theory and practice	-
Mobilizing resources for health research	-
Structure/organization, monitoring and evaluation	-
Linkages	-
Our people: Drivers of change	-
Financial profile	-
PCHRD officials	-
Organizational structure	-
Annexes	-

(About PCHRD)

The Philippine Council for Health Research and Development (PCHRD) is one of the five sectoral councils of the Department of Science and Technology. It 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, PCHRD has brought technical excellence with a soul into fulfilling its mandate.

The primordial source of health research leadership and direction in the country, PCHRD resolves to foster healthier and more productive lives among the Filipinos through health 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 health knowledge, technologies, and innovations, and ensure their utilization
- Practice good governance to effectively perform the Council's role of leading, managing, and coordinating the health research system

Vision for the Nation

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

Message

I am pleased to present the significant strides in health R&D that the Philippine Council for Health Research and Development (PCHRD) successfully achieved in 2006.

The year that was saw PCHRD responding, with prudence and flexibility, to the challenges posed by the demands of the health research landscape. Topmost of these is the challenge to accomplish more with less resources – in terms of funds as well as research capacity. Too, there was the urgent call for a unified research agenda that would map the journey to the cache of knowledge and innovations that are truly responsive to the health needs of the Filipinos. The need to ensure that this journey is carried out in an ethical manner has to be addressed as well.

PCHRD faced these and other challenges head-on by wisely partnering with the various key players in the Philippine National Health Research System. Together they sifted through their innumerable inputs to arrive at a roadmap to a results-oriented and more efficient health research system that addresses the abovementioned gaps, among others. They took stock of what resources there are and what more need to be provided to ensure an environment that encourages high research productivity. They examined issues that underpin and undermine the use of evidence of effective interventions in health policy and action. They explored other sources of research funds not just for the short term but also for the long haul. All these initiatives were taken in support of health research that would benefit the Filipino people.

Clearly, PCHRD has evolved as an effective prime mover of health research. With its focus on achieving results, as well as the commitment and enthusiasm that it obviously invests in its efforts, we can expect even greater accomplishments in the years ahead.

ESTRELLA F. ALABASTRO, PhD
Secretary
Department of Science and Technology, and
Chair
PCHRD Governing Council

Message

There are hundreds of voices speaking thousands of answers out there in our growing health research community. Answers that are visibly diverse but valid, all trying to define a path to helping people live healthier, more productive lives. Our role is to make sense of this chaos, to listen, and to examine the value that each idea and perspective contribute to the overall plan for better health for all Filipinos.

And that's what we did in 2006, with inclusive diversity as our touchstone. Adopting an open mind and scientific rigor, we put structure into the complex chorus that diversity engenders. The result is a fine and sensitive rendition. One that articulates a rich plan of work that the Philippine National Health Research System (PNHRS) will pursue in the areas of research management, ethics, capability development, technology promotion and utilization, resource mobilization, and structure/organization and monitoring and evaluation. This report records snapshots of how we orchestrated the different components of PNHRS, and the modest but compelling results of our efforts.

We will be breaking new ground and fostering new partnerships with government agencies and the private sector to further revitalize the health research network and strengthen its vital role in national development. As we step into our 25th year, we feel confident that we will be able to deliver on our social contract to improve the health and well-being of the Filipino people through health research.

JAIME C. MONTOYA, MD, MSc
Executive Director
Philippine Council for Health Research
and Development

Now join your hands,
and with your hands your hearts.

– William Shakespeare, *Henry VI*

(PNHRS logo)

Nurturing inclusive diversity for a stronger health research system

The greater the diversity of agents in a system and the more variety there is in perspectives, the richer the emergent patterns. Guided by this truism, and consistent with its mandate to provide health research leadership in the country, PCHRD led from the edge and pushed forward the implementation of the Philippine National Health Research System (PNHRS). The PNHRS began on March 17, 2003 through the signing of a Memorandum of Understanding (MOU) between DOST Secretary Estrella F. Alabastro and DOH Secretary Manuel M. Dayrit. In 2007, the Commission on Higher Education (CHED) and the National Institutes of Health of the University of the Philippines Manila (UPM-NIH) is expected to formally join as members of the core agencies of PNHRS. The participation of these different players has yielded a rich and vibrant tapestry of ideas, initiatives, strategies, and approaches that collectively draw a clear path to better health for all Filipinos.

PNHRS is tasked to sculpt a coherent research system that converges with the wider health, economic, political, educational, and science and technology systems in the country. It promotes and enhances cooperation between and among organizations and networks to pool and share resources; develop capacity for knowledge creation, management, and use; avoid research duplication; and ultimately deliver responsive solutions to the country's health problems. PNHRS works with inclusiveness, participation, quality, equity, efficiency, and effectiveness—the Essential National Health Research principles—as its touchstone.

PNHRS encompasses six programs each of which is conceptualized and implemented by a committee. These programs are 1) research management, 2) ethics, 3) capacity building, 4) research utilization, 5) resource mobilization, and 6) structure/organization, monitoring and evaluation. Each committee crafts the strategic framework for its area of concern, develops its own work plan, and facilitates the plan's implementation.

PNHRS

Vision

A vibrant, dynamic, and responsible health research community working for the attainment of national and global health goals

Mission

To create and sustain an enabling environment for health research toward evidence-informed health and related policies and action

Research management for responsive health knowledge and innovations

MYRIAD PLAYERS SPEAK WITH ONE VOICE: THE NATIONAL UNIFIED HEALTH RESEARCH AGENDA (2006-2010)

The need for a national unified health research agenda (NUHRA) was one of the major recommendations raised in the 1st PNHRS Consultative Assembly in 2004. This agenda consolidates the efforts of the different public and private agencies particularly the DOH, DOST through PCHRD, and CHED.

Together with other stakeholders, these core agencies worked in 2006 to firm up the national health research agenda. Called the National Unified Health Research Agenda (NUHRA) 2006-2010, the new research priority list took into account the diverse thinking of government (both national and local), academe, research institutions, professional organizations, private industry, non-government organizations, funding agencies, and civil society. With the PNHRS Research Management Committee at the lead, regional and zonal consultations solicited inputs reflective of the health needs and realities in the different provinces in the country. A review of secondary data, surveys, key informant interviews, meetings, workshops, and focus group discussions were used to get these inputs. The result: PNHRS limned a research agenda articulated and agreed upon by the different players in the health system.

NUHRA specifies the areas and topics that need to be addressed in the next five years in line with global and national initiatives influencing the health sector. These initiatives include the Millennium Development Goals, the Medium-term Philippine Development Plan, the DOH *FOURmula ONE*, and the Science and Technology Agenda.

With one national research agenda guiding the research initiatives in the country, we hope to rationalize investments in health R&D, reduce wasteful and unnecessary duplication of efforts, maximize resource utilization, and ultimately provide responsive solutions to the country's health needs.

**National Unified
Health Research Agenda
2006-2010**

RESEARCH AREAS

- Health financing
- Governance
- Health regulations
- Health service delivery
- Health technology development
- Health research ethics
- Health information systems

PNHRS presented the National Unified Health Research Agenda to the health research network on 28 September 2006 during the 7th Health Research for Action National Forum.

Meanwhile, while PNHRS was finalizing the NUHRA, we continued to support the R&D projects financed under the PCHRD grant-in-aid program. In all, we assisted 11 projects two of which were completed in 2006 while the rest are currently in progress. We monitored 10 projects and funded 24 R&D studies in the regions (see Table 1). These researches are enumerated in List 1.

Table 1. Distribution of PCHRD projects by type and status of program, 2006

Program Status	Project Type			TOTAL
	Assisted	Monitored	Regional projects	
Completed	2	4	17	23
Ongoing	9	6	7	22
New	0	0	0	0
TOTAL	11	10	24	45

The studies that were completed in 2006 are as follows:

Measuring the glycemic index of foods

The increasing prevalence of lifestyle-related and degenerative diseases such as diabetes, hyperlipidemia, and coronary heart disease has led to a growing interest in low glycemic index (GI) foods. GI ranks carbohydrate-containing foods on how quickly they elevate blood sugar levels. Low GI foods have been shown to benefit health since they modulate metabolic and endocrine responses. Studies show that low GI diets are associated with reduced risk for diabetes, cardiovascular disease, and cancer.

A food glycemic index would provide consumers with a tool to choose from among a variety of foods those which are most appropriate for their health condition. The study we supported sought to contribute to the development of such a glycemic index. It is part of a multi-center, multi-laboratory research conducted in 28 countries. It determined the glycemic index of three imported food items — wafer, strawberry fruit leather, and puffed snack food — among 10 healthy, randomly selected female participants aged 20-23. It assessed the extent and sources of variation in the GI values of these foods.

Results showed that all three test food items have varying glucose response over time and are classified as high GI foods. They may be recommended for diabetic, hyperlipidemic, obese as well as healthy individuals in controlled amounts, or combined with low GI snack foods to decrease their glycemic indices.

Detection time of phentermine in blood, hair, and urine

The escalation of drug trafficking has spurred many organizations to monitor and screen for illicit drugs. Drug testing is commonly done using urine sample and less often through blood and hair. Urine testing, however, has several disadvantages. An experienced drug user may substitute another person's urine specimen for his own. Apart from this, a prohibited drug may disappear from urine within two to three days so that intermittent use is easily concealed. Drug detection through blood samples is considered the most accurate method of testing. It is, however, the most intrusive and the most expensive, and thus is the least used. On the other hand, drug testing using hair could provide information on when the use of a drug such as codeine, morphine, and heroin occurred.

The study we supported provides information on another factor to consider in choosing the drug testing method. It determined the detection time of phentermine, the test drug, in urine, blood, and hair samples of 12 male Albino rats. Findings showed that among the three, detection time was shortest for blood (0.5 to 48 hours) and longest for hair (7 to 42 days). Detection time for urine samples was from 2 to 148 hours. The concentration of phentermine detected was highest in blood, followed by urine and hair. More studies, however, need to be done to enhance the experiment's sensitivity and detection limits.

Better delivery of anti-breast cancer drugs

In the Philippines, breast cancer is the leading cancer among women. It is unfortunate, therefore, that many anticancer drugs for breast cancer are associated with low in vivo specificity and significant side toxicities. The AMOR (Antibody Biotechnology and Liposome Drug Delivery for Experimental Therapeutics of Breast Cancer) program sought to address these problems. It combined both antibody and liposome technologies to improve specificity and delivery of anticancer drugs and cytotoxic natural products derived from local marine and terrestrial sources. The immunoliposome approach to anticancer drug delivery will increase the therapeutic index of the drugs and may provide less toxicity to the normal cells of the patient.

Results of the AMOR program are expected to bring antibody-based therapeutic products to the Philippine market, and give breast cancer patients a better chance at survival.

To protect the intellectual property rights of the AMOR researchers, PCHRD, together with the proponents, has applied for patents of the product and method generated from the AMOR studies. Specifically, these are the unique combination of known cytotoxic marine compounds which show a synergistic effect against breast cancer cells in vitro, as well as the in vivo method for selecting antibodies, their derivatives, and antibody-mediated therapies against breast cancer.

Virgin coconut oil as a potential anti-TB preparation

With tuberculosis (TB) still a major public health problem in the country, we explored the potential of using an abundant natural product, the virgin coconut oil (VCO), as an alternative anti-TB preparation.

Our study showed that pure VCO has no inhibitory effect on *Mycobacterium tuberculosis*. This may be due to the inadequate concentration of VCO that was used. Also, pure VCO most likely has other fatty acids or constituents that could have interfered with its diffusion into *M. tuberculosis* cell. Our study, however, was successful in developing an in vitro method for testing the action of an oil-based substance such as VCO against *M. tuberculosis*. This method may be adopted by other studies. The study has set a premise for future studies on VCO as a potential anti-TB drug.

Research ethics: Protecting the life and dignity of the human person

PNHRS recognizes the importance of ethics in promoting a robust and responsible health research system. This is evident in the inclusion of ethics in PNHRS's program roster and the creation of a Technical Working Group (TWG) on Ethics to plan and implement activities that would promote ethical research involving human participants.

On the TWG's recommendation, the Philippine Health Research Ethics Board (PHREB) was formally constituted on 17 March 2006. PHREB's mandate is "to ensure that all phases of health research adhere to universal ethical principles that value the protection and promotion of the dignity of health research participants." The board's membership is multidisciplinary and multisectoral. It represents a balance of background, gender, and disciplines (e.g., health research, philosophy, law academe, medicine, public health/epidemiology, theology, social science, allied health sciences, people's organizations, and the youth).

The National Ethics Committee (NEC), established in 1984 by the Council, was tasked to address policy concerns as well as to review research protocols of institutions without Ethics Review Committees (ERCs). With PHREB's creation, NEC retains its function of reviewing proposals/issues referred to it by the Institutional Ethics Review Committees (IERCs) and other entities.

To provide ethics review committees a new set of guidelines that is responsive to the needs of an evolving and growing national health research system, a task force composed of representatives from the NEC and the TWG on Ethics revised the old guidelines and drafted new ones. These include special guidelines on clinical trials, herbal medicine research, complementary and alternative medicine, epidemiological studies, social and behavioral research, investigations involving traumatized populations, HIV/AIDS research, studies on assisted reproductive technology, genetic research, and international/collaborative research.

The draft revision was critiqued in roundtable discussions with stakeholders before it was presented to a wider audience during PCHRD's 24th anniversary on 17 March 2006. The 2006 version of the National Ethical Guidelines for Health Research is the third revision of the guidelines since it was first put together in 1985. It aims to "put global health research norms in the context of Philippine values and realities. It embodies the adherence of Philippine health researchers to ethical principles to protect human life and the dignity of the human person." The new set of ethical guidelines was launched at the 7th National Health Research for Action National Forum.

Meanwhile, as part of its advocacy and training functions, PHREB, in collaboration with Pfizer, Inc. and with the assistance of PCHRD, conducted a seminar-workshop on ethics in health research on 18-19 September 2006. Forty-five members of institutional ethics research committees in the National Capital Region (NCR) and Luzon attended the training.

Strengthening the capacity for knowledge creation and health innovations

SCOPING THE RESEARCH CAPACITY LANDSCAPE

Results of the situation analysis (SA) of health research institutions in the country conducted in 2004 and the proposed action plan for health research capacity building (2005-2010) were published in a monograph and presented to partners and stakeholders during the 7th Health Research for Action National Forum.

The SA implemented by PNHRS with PCHRD assistance determined the capacity development areas among health and related institutions that need cutting-edge interventions. Both providers and users of research capacity building in purposively selected institutions in 13 regions were surveyed on the following: 1) capacity building policies, 2) available resources for capacity building, 3) present and future requirements of individual and institutional health researchers, and 4) capacity building gaps and weaknesses vis-à-vis requirements in terms of providers, programs and projects, approaches, users, resources, and impact of health research. A review of documents and reports of major government institutions charged with health research and related activities complemented the survey data.

In general, there was a lack of a health research capacity building agenda in the institutions surveyed. Findings also revealed weaknesses in institutional sharing and coordination in relation to capacity building. The current stock of human resources with research capability (e.g., leadership, mentoring) constitutes less than half the total number of researchers. There are only a few full-time researchers. Most researchers devote less than 50 percent of their time for research because they have other tasks and responsibilities in the institution they work in. Funds and resources are hardly adequate to support research and capacity development.

Based on the SA findings, PNHRS recommended research capacity-building efforts that would increase the quantity and upgrade the quality of human resources and institutions engaged in health research. It proposed that private sector be mobilized to conduct and promote health research capacity building. PNHRS also suggested that networking activities be accelerated to strengthen health research.

PCHRD made a follow-through to PNHRS's assessment of the country's existing health research capacity. Working with PNHRS's Committee on Structure/Organization, Monitoring and Evaluation (SOME), and in collaboration with the World Health Organization (WHO), we examined how far and wide research resources were available in the country in 2001 through 2005. With a finger on the pulse of future health research, we looked back at the research capacity landscape in the past five years to find guideposts in setting health R&D activities for the next five.

In particular, we probed, using a combination of WHO and PCHRD questionnaires, into institutions' assets and potentials, people, projects, structure, budget allocation, and

linkages (both local and foreign). We looked into the existence of laboratory, library, and internet facilities as well as the number of ongoing, completed, and published research works. We also determined the number of researchers who can lead the development and implementation of research programs, and serve as trainers and mentors. The existence and composition of an institutional ethics review committee, and the training needs of researchers were examined as well.

All these were assessed from the perspective of producers, users, and funders of health research in 153 institutions, both public and private, in the country. These respondents represented the academe, medical centers, government line agencies, and non-government organizations engaged in health research. As of this writing, 27 institutions have returned the survey forms. Survey results will be available for use in the third quarter of 2007.

The Philippines is one of five countries in the Western Pacific Region participating in WHO’s health research system analyses.

CREATING A CRITICAL POOL OF HEALTH RESEARCHERS

To mobilize the power of research for creating new knowledge and innovations, PCHRD continued to invest in building a critical mass of health researchers. In 2006, we supported a total of 29 scholars. Of these, one doctoral and four master’s students completed their studies, 22 scholars continued to pursue their programs, while two were fresh entrants to PCHRD’s scholarship program. Table 2 below shows the distribution of these scholars by type and status of program. List 2 provides their names.

Under our thesis and dissertation assistance program, one doctoral and three master’s students completed their dissertation and thesis, respectively. While nine other grantees continued to work on their thesis/dissertation in 2006, nine new grantees laid the groundwork for theirs. The distribution of the grantees is presented in Table 3. The grantees’ names are given in List 3.

Table 2. Distribution of PCHRD scholars by type and status of program, 2006

Program Status	MS	PhD	TOTAL
Completed	4	1	5
Ongoing	8	14	22
New	1	1	2
TOTAL	13	16	29

Table 3. Distribution of PCHRD thesis/dissertation grantees by type and status of program, 2006

Program Status	MS	PhD	TOTAL
Completed	3	1	4
Ongoing	3	6	9
New	7	2	9
TOTAL	13	9	22

Two research fellows enjoyed PCHRD’s assistance in developing their research skills. Under the tutelage of a mentor they themselves chose, these aspiring researchers get the benefit of close guidance in the different phases of their research project.

Similarly, beginning researchers in the regions got the opportunity to try their hand in research through PCHRD’s support for regional research projects. This mechanism provides up to PhP100,000 to each grantee for the conduct of a study that addresses a region-specific health problem. In 2006, we supported 24 regional research projects in the Cordillera Autonomous Region (CAR) as well as Regions 1, 6, and 11. Of these, 17 were completed and 7 are ongoing. The distribution of these projects by region and project status is shown in Table 4.

Table 4. Distribution of RRF-funded projects by region and project status, 2006

Region	Project Status		TOTAL	Percent (%)
	Completed	Ongoing		
CAR	9	-	9	38
Region 1	1	3	4	17
Region 6	4	4	8	33
Region 11	3	-	3	12
TOTAL	17	7	24	100

We further established our foothold in the regions with the formalization of the Cagayan Valley Health Research and Development Consortium (CVHRDC) in April 2006.

CVHRDC consists of 18 institutions in Cagayan Valley (see Box 1) that have agreed to strengthen cooperation, complementation of activities, and resource sharing toward more vigorous R&D efforts. With PCHRD assistance, CVHRDC identified activities they will pursue to push forward R&D, research capability building, ethics in research, and research dissemination and utilization.

As an initial move, CVHRDC conducted in December 2006 a three-day trainer's training on basic health research. Twenty-five representatives of CVHRDC member-institutions participated in the training. While all the participants have a background on research, many have not been actively doing research. Everyone though was interested to advance his/her research skills.

Using what they learned from the training, the participants developed five capsule proposals along the following priority disciplines in Region 2: maternal and child health, health governance, health service delivery, and other health-related problems (e.g., rabies, teenage pregnancy). Graduates of the training are expected to develop their capsule proposals into full-blown proposals as well as transfer what they have learned to their colleagues.

1 Members of the Cagayan Valley Health Research and Development Consortium

- Cagayan Colleges of Tuguegarao
 - Cagayan State University
 - Cagayan Valley Medical Center
 - Center for Health Development Region 2
 - Commission on Higher Education Region 2
 - Commission on Population Region 2
 - Department of Environment and Natural Resources Region 2
 - Department of Science and Technology Regional Office No. 2
 - Isabela State University
 - Medical Colleges of Northern Philippines
 - National Economic and Development Authority Region 2
 - Philippine Health Insurance Corporation Region 2
 - St. Mary's University, Nueva Vizcaya
 - St. Paul University of the Philippines, Cagayan
 - Southern Isabela General Hospital
 - University of La Sallette
 - University of St. Louis, Cagayan
 - Veteran's Regional Hospital
-

In 2006, we sponsored 20 training, seminars, workshops, and forums (see List 4) as a strategy to hone the research skills of beginning researchers. Implemented under our program with the Regional Health Research and Development Committees (RHRDCs) in Regions 1, 6, 7, 8, and 11, these capacity development activities benefited 539 medical faculty, residents, and staff of selected research institutions in the PCHRD network.

Five of these training, were on health research methods and bioethics, while two seminars each were conducted on technical report writing, scientific article writing for publication, and critical appraisal of research papers and evidence-based medicine. The rest of the forums dwelt on different topics which included data analysis with computer application, health economics, and emerging health issues, among others.

Of note is the 10-day training course on gene expression analysis in diagnostic medicine. With PCHRD funding assistance, the Research and Biotechnology Division of St. Luke's Medical Center (SLMC) conducted this training, the first undertaken by the European Molecular Biology Organization with SLMC as the host training institution. Twenty participants from around the world attended the training to enhance their skills in molecular genetics, particularly cDNA microarray technology and qRT-PCR in the identification and quantitative analysis of differentially expressed genes in diseases.

CELEBRATING EXCELLENCE IN HEALTH RESEARCH

Research is a powerful tool for development. But research can only wield its power if it is responsive to health needs as well as scientifically and ethically correct. This kind of research can lead to a broader understanding of disease causation, health behavior, and the economics and management of health systems. It can inform health policies and guide action for health. It can foster a scientific, problem-solving culture.

This was the kind of research we lauded and celebrated in 2006. By recognizing excellence in research, we not only aspire to build health research capacity. We also hope to inspire student and professional investigators alike to continually aim to generate world-class research.

★ 5th Outstanding Health Research Award (OHRA): From paper to practice

Every two years, we give the Outstanding Health Research Award to an individual researcher or study group whose research work has journeyed from paper to practice. Evidence that the research outputs have been utilized in policy- and decision- making; in generating new drugs, tools, and techniques; in clinical practice; in intervention design and implementation; and in the production sector (e.g., pharmaceutical companies) must be readily apparent.

OHRA is given in two categories: biomedical research and health services research. A cash prize of PhP500,000 along with a trophy are awarded to the winner in each category. True to the PNHRs spirit of sharing and collaboration, the cash prize for this year's

OHRA was split between DOH and PCHRD. The health department bore the prize for the health services research category while PCHRD covered that for the other category.

The 5th OHRA in biomedical research went to the Schistosomiasis Study Group of the DOH Research Institute for Tropical Medicine (RITM). The group, led by Dr. Remigio Olveda, was cited for its unrelenting efforts to resolve the scientific questions on the interactions between the schistosomiasis host and parasite. The group's body of work formed the basis for the development of diagnostic tools and techniques as well as candidate vaccines for the prevention and control of schistosomiasis. Endemic in 22 provinces in the country, schistosomiasis is a debilitating disease that can lead to economic loss of up to 45.4 working days per person per year.

In the health services research category, we acknowledged the work of the Food Fortification Study Group of the Nutrition Center of the Philippines on Vitamin A and iron food fortification. The group's body of work provided critical inputs to the formation of a national policy on food fortification. The research has been translated into pragmatic and sustainable community interventions, which the international nutrition community has recognized as pioneering examples of successful fortification strategies. The study group is headed by Dr. Florentino Solon.

★ 2006 PCHRD – Gruppo Medica Award for Outstanding Research in Herbal Medicine: Starting them young

The PCHRD – Gruppo Medica Award seeks to promote at the undergraduate level innovative studies, specifically on herbal medicine. It puts premium on research results that exhibit potential practical or commercial applications.

In 2006, two research studies, both submitted by the College of Pharmacy, University of the Philippines Manila, won the second prize. Each of the two entries received PhP40,000. Awarding of the first prize was deferred. The third prize winner was given PhP20,000. The three winners, all of which had Prof. Jocelyn Bautista Palacpac as adviser, stood out from among the 12 entries submitted to the PCHRD – Gruppo Medica Award selection committee

Box 2 lists the winners of the 2006 PCHRD – Gruppo Medica Award and the title of their studies.

2 Winners of the 2006 PCHRD – Gruppo Medica Award

2nd Prize

Healing Property of

Portulaca oleracea L. (Portulacaceae) Gel on Excised Wound

Jerome A. de la Cruz and Jennifer Z. Pineda

College of Pharmacy

University of the Philippines Manila

Burn Wound Healing Property of Cream from

Portulaca oleracea Linne (Portulacaceae)

Jeanne D. Constantino, April C. Guevarra, and
Rosenda Monette M. Samonte
College of Pharmacy
University of the Philippines Manila

3rd Prize

**Anti-inflammatory Property of Tablet from
Hibiscus rosasinensis Linne (Family Malvaceae)**

Dan Adriel Q. Ebona, Christine Marie L. Garcia, and
Benedict E. Radoc
College of Pharmacy
University of the Philippines Manila

Research utilization: Reconciling theory and practice

The Council, together with the Research Utilization Committee of PNHRs, seeks to provide technical and policy advice in developing and sustaining knowledge management systems as well as communication and advocacy strategies that would help link research to health policy and action.

Experience shows that while evidence of effective health interventions, tools, and approaches exists, very little of this evidence is used in health policy- and decision-making. To strategically address this gap, PCHRD and its PNHRs partners are involved in the WHO Evidence-informed Policy Network (EVIPNet)–Asia. EVIPNet seeks to enhance linkages between producers and users of evidence; design, implement, and promote strategies to expand the use of evidence by health policy- and decision-makers; and build the capacity of both researchers and policymakers in knowledge translation.

In December 2006, WHO approved a pilot implementation plan of EVIPNet–Philippines. This initial project aims to establish a policy network on health emergency and disaster response in Southern Leyte, the pilot area.

PNHRs crafted its strategic plan for research utilization and identified priority activities it will implement toward linking research to health policy and action. These activities include doing an inventory and systematic review of as well as holding policy discussions on six topics: virgin coconut oil, health human resource migration, financing the informal sector, infection control, dengue, and road safety. A forum that will feature best practices in research utilization is on the pipeline as well. Initiatives to laymanize research will be undertaken while strategies to improve health research publishing will be pursued.

MATCHING SUPPLY WITH DEMAND THROUGH TECHNOLOGY TRANSFER

Private industry reaffirmed its confidence in the technologies that PCHRD has generated through R&D. Pascual Laboratories, Inc. (PLI) renewed for another five years its contract with us on the utilization of the production technologies for *lagundi* (*Vitex negundo*) and *sambong* (*Blumea balsamifera*) tablets. PLI first signed a licensing agreement with PCHRD in 1995; it is now on its second term renewal. Lagundi tablet provides mild to moderate relief of bronchial asthma and cough. Sambong tablet is an effective diuretic. It is also a potent remedy for kidney stone dissolution.

Meanwhile, Herbs and Nature Corporation (HNC), a company known for its food supplements, adopted the production technologies for lagundi tablet and lagundi pediatric syrup. The license agreement HNC signed with us on 7 December 2006 gives Herbs and Nature Corp. the right to use the technologies for a term of five years.

Both PLI and HNC are interested to avail of the production technology for *ampalaya* (*Momordica charantia* Linn) tablet. This herbal drug is indicated for type 2 (non-insulin dependent) diabetes mellitus. The two pharmaceutical companies are currently reviewing the draft license agreement on the transfer of this technology.

Lists 5, 6, and 7 respectively enumerate the licensing agreements we signed with technology adopters in 2006, PCHRD technologies and their beneficiaries, and the Council's intellectual property.

SHARING KNOWLEDGE FOR HEALTH AND DEVELOPMENT

To foster dialogue and strengthen the current work on health research and related initiatives, we assisted through grant-in-aid the conduct of 15 different symposia and meetings. These forums brought to the discussion table an array of diverse topics that included among others the prevention and control of avian influenza, schistosomiasis, microbial cell culture collection, health bioindustry R&D, and health emergencies and disaster. A complete list of these symposia is presented as List 8.

Along the same line of promoting discussion of critical health and related issues, we organized and/or sponsored 35 conferences, symposia, and roundtable discussions for and with our partners in the health research system. List 9 catalogs these activities.

We tapped various communication channels to reach our clients and partners with health research and related information. In 2006, we participated in 14 technology exhibits where we featured our research products. These included among others ampalaya tablet as an herbal remedy for type 2 diabetes mellitus, *yerba buena* (*Mentha cordifolia* Opiz) as an effective pain reliever, and iodine test kit and meter for iodized salt as a reliable alternative instrument for measuring iodine in salt products.

A technology investment forum that complemented our exhibit during the 2006 National Science and Technology Week gave us the opportunity to engage potential technology adopters in an informed discussion of the merits of the featured research outputs. This has

yielded positive results. Pascual Laboratories, Inc. and Herbs and Nature Corp. have signified their interest to adopt the production technology for ampalaya tablet. They are now reviewing the draft license agreement on the transfer of the said technology.

Meanwhile, to ensure that researchers' right to the technologies they have developed remain inviolate, we provided technology generators with the must-know facts on intellectual property right (IPR) protection. In a seminar held 15 September 2006, health staff and researchers from RITM walked through the basics of patents and copyright, among others.

We participated actively in the series of consultations and workshops on the crafting of the proposed policy framework for technology transfer and the legal instrument that will push the adoption of this framework. The technology transfer bill subscribes to the provision of Bayh-Dole Act (United States) which enables research producers to retain title to the technologies of publicly funded research provided they transfer the technologies within two years from research completion. In light of the provisions of this bill, PCHRD organized a roundtable discussion with representatives of the country's leading universities to explore the possibility of putting up a technology licensing office either by a consortium of universities or by individual universities to address the provisions of the bill.

We published in both print and electronic formats various scientific and popular materials, including the outputs of the Philippine National Health Research System (List 10). These consisted of the *National Ethical Guidelines for Health Research*; the monograph *Capacity Building for Health Research: Situationer, Capacity Building Plan, and Technical Working Group Plan*; the *National Unified Health Research Agenda 2006–2010*; and the *Proceedings of the 6th Health Research for Action National Forum*.

We informed our partners about PCHRD and PNHRs through primers so that they may participate knowledgeably in the push to invigorate the health system. Fliers written in non-technical language tried to demystify and make more understandable the technologies we have generated. Through the web and a printed annual report we communicated to the health research network the different accomplishments we have charted in the past year.

We posted on the PCHRD website the proceedings of the 24th PCHRD anniversary celebration as well as the consultative workshop on formulating a health bioindustry R&D program. The former highlighted the challenges in health research ethics. It also presented for comments the revised ethical guidelines on health research.

Press releases, radio and television interviews, and website publication expanded our reach, and brought to Filipino homes research and related information in a language that the layman can understand. Thus the man on the street read, heard or saw on TV features on the wonders of ampalaya, the ill-effects of pesticide exposure as well as the outstanding health research award nominees. Lists 11,12, 13, and 14 give the subject of these press releases, TV and radio interviews, and website publications.

BUILDING OUR KNOWLEDGE BASE, EXPANDING ACCESS TO INFORMATION

We continued to develop our existing knowledge base and enhance our partners' access to information by building on existing initiatives. With PCHRD as the country's focal institution in the development of the Western Pacific Region Index Medicus (WPRIM), we actively participated in the effort to "extend to all the people the benefits of the knowledge that is essential to the fullest attainment of health." A subset of WHO's Global Health Library, WPRIM seeks to create an online index of medical and health journals published in member-states of the WHO Western Pacific Region which can be accessed on the Internet, thus ensuring global access to medical and health research conducted in the region. As a first step, we signed an agreement with 13 local journal publishers to upload abstracts of their published researches in the WPRIM database.

In March 2006, we convened in Manila a WPRIM consultation that proposed the piloting of WPRIM in South Korea and the Philippines. The meeting also suggested the formation of an Asia-Pacific association of medical editors that will review journal articles. This move is expected to improve the quality of medical and health journals. In a parallel effort, we held consultative meetings with journal editors and publishers on improving journal quality by setting standards for the existing peer review system.

In the meeting in Beijing, China in December 2006, key players planned to launch WPRIM as soon as China, Japan, Vietnam, South Korea, and the Philippines have uploaded contents in the index medicus. The Philippines has uploaded 248 entries from 13 journals.

We enhanced our system of collecting entries to the Health Research and Development Information Network (HERDIN), our online database, to enrich our knowledge base and allow us to serve our clients better. The new distributed system called HERDIN Network of Networks (NeoN) will fan out among our partners the responsibility and capacity for content development using an open-source software. This will give them greater stake in determining the type and quality of data inputted in the HERDIN database. HERDIN NeoN will soon be deployed among our partner-institutions. Currently, HERDIN has close to 46,000 records, with 3,269 new entries added in 2006.

As a continuing service to our clients and partners, we made health R&D information accessible through document delivery and reference inquiry services. In 2006, we served 37,273 clients by providing them information through email, facsimile, and telephone call.

By tapping our in-house information and communication technology expertise, we hope to help establish a national clinical trials registry that our partners and stakeholders could access. Toward this end, we met with the Bureau of Food and Drugs (BFAD) and DOH. Together we set out to create a clinical trials review board, inventory the clinical trials registered with BFAD, and develop a clinical trials database. As indicated in our plan, BFAD will manage the registry while PCHRD will develop and host the database. We expect to launch the registry by mid-2007.

We participated in the work of the Philippine Health Information Network (PHIN) which we co-established along with other institutions in charge of health information in the country, namely DOH, the National Statistics Office, and the National Statistical Coordination Board. PHIN supports the Health Metrics Network initiative of WHO, which seeks to increase the availability and use of timely and accurate health information in sync with the standards of WHO member-countries. Toward this end, we are making available to PHIN's proposed Philippine Health Information System the HERDIN database and the eHealth portal as knowledge resources for evidence-based health policy and action.

Together with DOH, DOST, UP Manila, the Philippine Health Insurance Corp., and the Philippine Medical Informatics Society, Inc., we helped push the objectives of the Philippine National Health Information Infrastructure Consortium (PNHII). This consortium aims, among other things, to build its members' capability for data collection, processing, analysis, and presentation; define the standards, systems, and structures for these processes; identify areas where policy support is needed; and influence stakeholders to develop the necessary policies.

Mobilizing resources for health research

The National Unified Health Research Agenda identifies a vast range of researches the conduct of which would require an inordinate amount of resources that government, on its own, cannot provide. Complementation and augmentation, therefore, are vital and necessary. In particular, what is needed is a stable fund source that would provide monies for the long haul. The PNHRS Committee on Resource Mobilization seeks to address this need.

In 2006, the committee identified and firmed up strategies that would help increase funds for health research. One of these is the crafting of PNHRS Bill 2006 that would mandate selected government agencies to allocate a percentage of their gross annual income to, or charge additional fees for health R&D activities. The bill was submitted to the Lower House and the Senate under the sponsorship of Cong. Antonio Yapha, Cong. Anna York Bondoc, and Sen. Juan Flavio Velasco. When this bill becomes a law, PNHRS would have secured sustainable funding for research.

The PNHRS Committee on Resource Mobilization identified the private sector as a funding source. By matching private sector interests and thrusts with the NUHRA priorities (e.g., herbal medicine research for pharmaceutical companies) the likelihood of their co-funding the research is increased.

Sourcing funds from foreign donor agencies was also proposed. These include those with which the Philippine government has bilateral agreements, international regional organizations, foundations, and international health organizations.

Structure/organization, monitoring and evaluation

In 2006, PCHRD, together with the PNHRs Committee on Structure/Organization, Monitoring and Evaluation, drafted strategic and implementation plans that would guide its activities in the next five years. These included refining the relationship between the regional research networks and the national system as well as building institutions' information systems for easy reporting and monitoring of research performance, and returns of investments in research, among others.

Linkages: Forging connections

The initiatives we pushed in 2006 have created a rich web of connections that are beginning to yield significant returns. Following through on the consultative workshop we held on formulating a health bioindustry R&D program, we organized a discussion forum for academe, the pharmaceutical industry, and other government institutions. The objective was to generate industry-driven research on products of interest by mining patent information. The forum led to the creation of the Essential Drugs Working Group (EDWG) whose role is to identify and prioritize essential drugs listed in the Philippine National Drug Formulary that would be locally formulated in their generic form. EDWG hopes that these drugs would be readily available in the Philippine market as reasonably priced high-quality generic formulations.

The creation of EDWG catalyzed a number of individual initiatives. Members of EDWG, like the Intellectual Property Office of the Philippines (IP Phil) and the Philippine Chamber of Pharmaceutical Industries, Inc. (PCPI), continue to lobby for the bill that seeks to lower the cost of medicines. Specifically, the bill provides for the conduct of research even prior to the expiry of patents to allow the marketing of generic product equivalent in the same year of the product's patent expiry. The market competition that will ensue is expected to lead to more affordable drugs.

Our advocacy meetings with IP Phil have resulted in the enhancement of the pharmaceutical component of the patents database. As it was, pharmaceutical patents were lumped together with all the other contents of the patents database. Through our representation with IP Phil, pharmaceutical patents were categorized, making it easier to search for these patents. In October 2006, IP Phil uploaded the patents database with primary focus on pharmaceuticals.

Our partnership with IP Phil has spurred the Philippine patents office to draft a memorandum of understanding (MOU) that establishes a collaborative framework for the search for patents of medicines in the essential drugs list, and in promoting information arising from such search. Parties to the MOU include DOST, DOH, PCPI, the Philippine Health Insurance Corp., the Philippine International Trading Corporation, the Pharmaceutical and Healthcare Association of the Philippines, the University of the Philippines Manila, and IP Phil. DOST has reviewed and approved the terms and conditions of the MOU.

We provided inputs to the health component of the One-Stop Information Shop for Mature Technologies in the Philippines implemented by the Philippine Council for Industry and Energy Research and Development. These inputs consisted of information on knowledge- as well as product-based health technologies generated by PCHRD's partners and other organizations. Our contribution to the One-Stop Information shop was culled from the web-based Technology Exhibit Hall that we previously set up to promote health-related technologies and assist technology adopters.

Our people: Drivers of change

Our people, all 55 of them, are development professionals deeply committed to positive change. They bring to the Philippine National Health Research System technical excellence and an attitude of inclusion and integration.

In 2006, our people comprised 33 technical and 22 administrative and support staff. Thirty-one personnel are bachelor degree holders, one has a diploma in public health, 12 have a master's degree, and one is a medical doctor. One staff holds a PhD, one is a doctoral candidate, and another staff is enrolled in a doctoral program.

To strengthen their capability to provide value to our clients and partners in PNHRs, our staff pursued continuing education. In 2006, 15 of them attended training along their line of work.

Three of our people retired from government service in 2006.

Financial profile

In 2006, we managed a total of PhP48.7 million (see Table 5). A large chunk (PhP40.6 million) of this amount came from government coffers; the rest was derived from other sources.

Grants-in-aid (GIA) funds totaled PhP10 million. Of this amount, PhP4.8 million (47%) funded R&D projects, PhP3.5 million (35%) supported S&T education, and PhP1.8 million (18%) was spent on providing S&T services. In 2006, all GIA funds were expended.

Overall, we utilized 93 percent of government appropriation for PCHRD.

**Table 5.
Financial profile, 2006**

PARTICULARS	ALLOTMENT (PhP)	EXPENDITURE (PhP)	PERCENT UTILIZATION (%)
General appropriations from government			
General administration and support	18,312,472	17,442,427	95
Operations	12,066,873	10,266,873	85
Grants-in-aid			
R&D (47%)	4,828,555	4,828,555	100
S&T education (35%)	3,549,934	3,549,934	100
S&T services (18%)	1,831,681	1,831,681	100
Total funds from government	40,589,515	37,919,470	93
Funds from other sources	8,125,689	7,394,103	91
GRAND TOTAL	48,715,204	45,313,573	93

TO THE ARTIST: INSERT pie graph of GIA distribution HERE.

(Caption of pie graph:)

Distribution of grants-in-aid, 2006

PCHRD Officials

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. Jaime C. Montoya
Executive Director
Philippine Council for Health Research and Development

Ms. Elsa Bayani (January – June 2006)
Executive Director
National Nutrition Council

Ms. Ma. Bernardita T. Flores (June – December 2006)
Officer-In-Charge
Office of the Executive Director
National Nutrition Council

Dr. Ramon L. Arcadio
Chancellor
University of the Philippines Manila

Dr. Benjamin M. Abela
President, Asian Vision Group
Asian Hospital and Medical Center

Dr. Ernesto O. Domingo (January – November 2006)
Founding Member
Asia-Pacific Associations for the Study of Liver

Dr. Eddie G. Dorotan (January – November 2006)
Local Government Unit Director
Local Enhancement and Development for Health Project
Management Sciences for Health

Dr. Mediadora C. Saniel (December 2006)
Head, Medical Services
The Medical City

Dr. Grace J. Rebollos (December 2006)
Executive Secretary
Zamboanga Coalition of Development NGOs (ZAMCODE)

Dr. Enrico B. Gruet (December 2006)
Dean
Cebu Doctors' University College of Medicine

Dr. Catherine Q. Castañeda
Director IV
Office of Programs and Standards
Commission on Higher Education

Executive Director

Dr. Jaime C. Montoya
jcm@pchr.dost.gov.ph

Division Heads

Finance and Administrative Division

Mr. Raul D. Dumol (December 2006)
Officer-in-Charge
raul@pchr.dost.gov.ph

Mr. Edgar F. Ortiz (November 2006)
Officer-in-Charge
edgar@pchr.dost.gov.ph

Ms. Maria C. Orogo (September – October 2006)
Officer-in-Charge

mary@pchrd.dost.gov.ph

Ms. Emelita N. de Castro (January – September 2006)

Chief

enc@pchrd.dost.gov.ph

Research Management and Development Division

Ms. Ma. Elizabeth R. Cajigas (November – December 2006)

Officer-in-Charge

bethr@pchrd.dost.gov.ph

Ms. Rosella L. Taguiang (September – October 2006)

Officer-in-Charge

rose@pchrd.dost.gov.ph

Dr. Alan B. Feranil (January – August 2006)

Chief

alan@pchrd.dost.gov.ph

Human Resources and Institution Development Division

Ms. Anicia P. Catameo (August – December 2006)

Officer-in-Charge

annie@pchrd.dost.gov.ph

Ms. Teresita O. Laguimun (January – July 2006)

Officer-in-Charge

tess@pchrd.dost.gov.ph

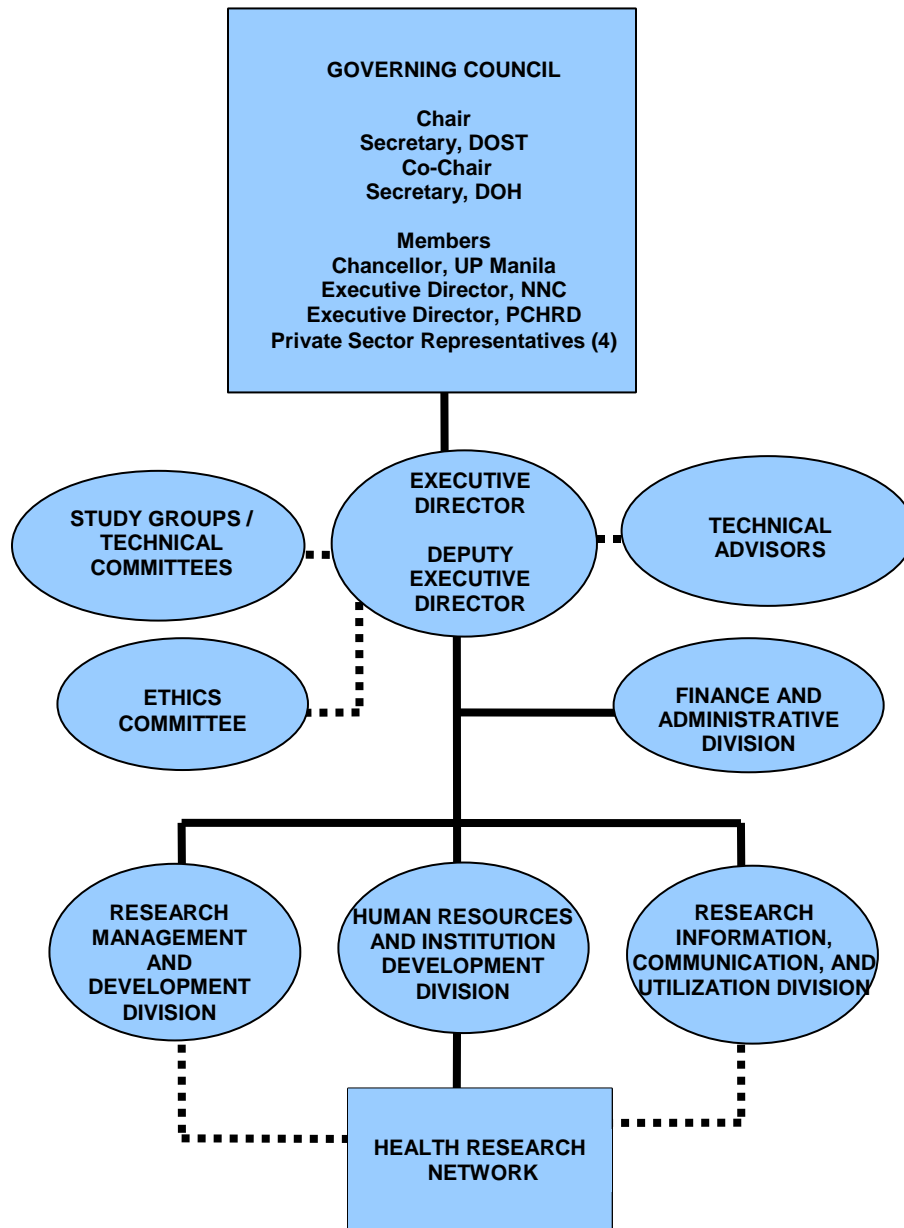
Research Information, Communication, and Utilization Division

Ms. Merlita M. Opeña

Chief

mmo@pchrd.dost.gov.ph

Organizational Structure



ANNEXES

List 1. R&D PROJECTS

PCHRD-ASSISTED PROJECTS

Completed

Measuring the Glycemic Index of Foods: Interlaboratory Study No. 2

Department of Food Science and Nutrition, College of Home Economics
University of the Philippines Diliman

In vitro Susceptibility Test of *Mycobacterium tuberculosis* to Virgin Coconut Oil

Foundation for the Advancement of Clinical Epidemiology, Inc.

Ongoing

Obesity in High School Students in Selected Private and Public Schools in Metro Manila

First Integrated Residency Training Pediatric Program Inc.

Clinical Screening and Validation Studies of Medicinal Plants Used in Traditional Folk Medicine in the Philippines

Department of Pharmacology, College of Medicine

University of the Philippines Manila

A Randomized Controlled Trial on the Use of Virgin Coconut Oil for the Prevention of Neonatal Sepsis Among Pre-term Neonates at the UP-PGH Medical Center

University of the Philippines Manila

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

Research Institute for Tropical Medicine

PCHRD-MONITORED PROJECTS

Completed

Generation of Humanized Single Gene-Encoded Antibodies with Varied Effector Functions for Direct Use as Anti-Tumor Reagents and for the Production of Immunoliposomes: DESICLON (AMOR Proj. 1)

National Institute of Molecular Biology and Biotechnology
University of the Philippines Diliman

Discovery and Development of Anti-Cancer Drugs and Other Agents for Immunoliposome-Mediated Delivery to Breast Cancer Cells: PHILMARINA and PHILFLORA (AMOR Proj.3.1)

Marine Science Institute
University of the Philippines Diliman

Discovery and Development of Anti-cancer Drugs and other Agents for Immunoliposome-mediated Delivery to Breast Cancer Cells: MOLTARGET, VITROTOX and VIVOTOX (AMOR Proj. 3.3)

Marine Science Institute
University of the Philippines Diliman

Detection Time of 2-Methylphenethylamine (Phentermine) in Blood, Hair, and Urine of Rats Administered with Phentermine

Department of Chemistry, College of Arts and Sciences
University of San Carlos

Study on Sub-Acute Sclerosing Panencephalitis of a New Therapeutics Strategy Using the Antiviral Drug Ribavirin

Department of Pediatrics, Department of Neurosciences
University of the Philippines – Philippine General Hospital Medical Center

Ongoing

Optimization Process for the Large-scale Production of Dengue Viral Antigens for the Laboratory Surveillance of Dengue Infection

Research and Biotechnology Division
St. Luke's Medical Center

Folate Intervention in Non-St Elevation Myocardial Infarction and Unstable Angina: A Randomized Controlled Trial (FINEST)

University of the Philippines Manila

2005 Updating of Nutritional Status of Filipino Children and Selected Population Groups

Food and Nutrition Research Institute
Department of Science and Technology

Supplementary Feeding Among School-aged Children Utilizing FNRI-developed Food Products: Its Effects on Nutritional Status

Food and Nutrition Research Institute
Department of Science and Technology

The Evaluation of Genetic Polymorphism on Biomarkers of Cancer Risk Among Filipinos

Institute of Human Genetics
National Institutes of Health
University of the Philippines Manila

REGIONAL PROJECTS

Completed

Efficacy of Commercial Sponge Filters in Improving Tap Water Potability in Dagupan City

Lyceum Northwestern, Dagupan City

Laboratory and Field Evaluation of Sea Salt as Larvicide against Dengue Mosquito

West Visayas State University, Iloilo City

Effect of *Euphorbia hirta* Decoction on Platelet and White Blood Cell Count of Azathioprine-immunosuppressed Rabbits

University of Immaculate Conception, Davao City

Use of Beta-Adrenaline Blocker (Propranolol) to Facilitate the Progress of Labor

St. Louis University, Baguio City

Determinants of Risk Behaviors of Vulnerable Groups to Human Immunodeficiency Virus (HIV)

Davao Medical School Foundation, Davao City

OPD Management of Uncomplicated Postdate Pregnancy Using Evening Primrose Oil

St. Louis University, Baguio City

Perception of Clients on the Quality of Services of Public Hospitals in a Developed Set-up in Lanao del Norte

Davao Medical School Foundation, Davao City

Effect of Vitamin E for the Relief of Primary Dysmenorrhea

St. Louis University, Baguio City

A Profile Study of Post-menopausal Women in a Multi-ethnic Setting

St. Louis University, Baguio City

Competence of Baguio City RHU Personnel in Recognizing and Managing Common Mental Disorders

St. Louis University, Baguio City

Validity of Vaginal Discharge pH and the Whiff Test for the Diagnosis of Asymptomatic Bacterial Vaginosis

St. Louis University, Baguio City

Knowledge and Attitudes of Cordillera Women regarding PAP Smear
St. Louis University, Baguio City

Effectiveness of Co-trimoxazole, Amoxicillin, and Cephalexin on First-time Urinary Tract Infections Among Children in Baguio City
St. Louis University, Baguio City

Newborn Screening: Prevalence of the Risk Factors for Inborn Errors of Metabolism among Children in Baguio City
St. Louis University, Baguio City

Optimum Time to Remove Foley Catheter after Epidural Morphine Sulfate without Producing Urinary Retention Among Post-hysterectomy Patients
West Visayas State University, Iloilo City

A Randomized Controlled Clinical Trial on the Effectiveness of Pure Honey vs. Mupirocin in the Treatment of Non-bullous Impetigo in Children
West Visayas State University, Iloilo City

Open Tibial Nailing: Reamed vs. Unreamed: A Prospective Randomized, Double-blind Multicenter Study
West Visayas State University, Iloilo City

Ongoing

Predisposing Factors of Mental Illness among Patients at the Acute Psychiatric Unit of Mariano Marcos Memorial Hospital
Mariano Marcos Memorial Hospital and Medical Center
Batac, Ilocos Norte

The State of Health Research in Region 1
University of Northern Philippines, Vigan City, Ilocos Sur

Factors Affecting Cancer Pain Management in Region 1
Ilocos Training and Regional Medical Center, San Fernando City, La Union

Prevalence of Hydatidiform Mole in the Provinces of Guimaras and Iloilo
West Visayas State University, Iloilo City

Hepatic and Renal Effects of Selected Nutraceuticals on White Mice (*Mus musculus*)
West Visayas State University, Iloilo City

Hearing Loss among Personnel of Iloilo City Airport
West Visayas State University, Iloilo City

Profile of Abused Women in Iloilo City: A Case Series
West Visayas State University, Iloilo City

List 2. SCHOLARS

Completed

Doctoral Degree

Ms. Josephine Agapito

DrPH Health Promotion and Education
College of Arts and Sciences
University of the Philippines Manila

Master's Degree

Dr. Isaac David Ampil

MS Clinical Epidemiology
University of the East Ramon Magsaysay Memorial Medical Center

Ms. Lerma Paris

MSPH Parasitology
University of San Agustin

Dr. Alice Sun-Cua

MS Clinical Epidemiology
College of Medicine
University of the Philippines Manila

Ms. Lorena Tengco

MS Nutrition
Nutrition Center of the Philippines

Ongoing

Doctoral Degree

Ms. Benedicta Alava

PhD Chemistry
University of Santo Tomas

Ms. Amy Calumpang

PhD Pharmacy
University of San Carlos

Ms. Marilyn Crisostomo

PhD Statistics

College of Public Health
University of the Philippines Manila

Ms. Ma. Luisa Daroy

PhD Molecular Biology and Biotechnology
St. Luke's Medical Center

Ms. Clarissa Yvonne Domingo

DrPH Medical Microbiology
Central Luzon State University

Ms. Erlinda Domingo

DrPH Health Promotion and Education
Department of Health

Ms. Susan Juangco

DrPH Health Promotion and Education
Department of Health

Ms. Razel Kawano

DrPH Medical Microbiology
San Lazaro Hospital

Dr. Paulo Ma. Pagkatipunan

DrPH Health Promotion and Education
Philippine General Hospital
University of the Philippines System

Ms. Ligaya Picazo

DrPH Medical Microbiology
Research Institute for Tropical Medicine

Ms. Buenalyn Teresita Ramos

DrPH Health Promotion and Education
College of Public Health
University of the Philippines Manila

Ms. Merlyn Cruz

PhD Molecular Biology and Biotechnology
Angeles University Foundation

Mr. Romeo Gundran

DrPH Epidemiology
Central Luzon State University

Mr. Victorio Molina
PhD Environmental Science
College of Public Health
University of the Philippines Manila

Master's Degree

Dr. Jericho Thaddeus Luna
MS Clinical Epidemiology
Philippine General Hospital
University of the Philippines System

Ms. Grace Rosales
MS Biostatistics
Manila Central University Filemon D. Tanchoco Medical Foundation

Ms. Evelyn Suasin
MS Microbiology
Silliman University

Ms. Theresa Pia Yap
MS Pharmacy
Bureau of Food and Drugs

Dr. Arthur Benignos II
MSPH Medical Microbiology
Davao Medical School Foundation

Dr. Alvin Concha
MA Applied Social Research
Davao Regional Hospital

Mr. Arvin Cesar Lagda
MS Biology
Center for Health Facility Development
Department of Health

Dr. Lylah Reyes
MS Clinical Epidemiology
Far Eastern University Nicanor Reyes Medical Foundation

New

Doctoral Degree

Dr. Daria Manalo

DrPH Medical Microbiology
Research Institute for Tropical Medicine

Master's Degree

Dr. Misael Cruz

MS Clinical Epidemiology
Angeles University Foundation

List 3. THESIS AND DISSERTATION GRANTEES

Completed

Thesis

Ms. Alma Gines-Taclibon

MS Microbiology (UST)
Research Institute for Tropical Medicine
Polymerase Chain Reaction for the Detection of Mycobacterium tuberculosis in Extrapulmonary Cases

Ms. Nelia Lopez

MS Microbiology (UST)
University of Sto. Tomas
Antimicrobial Potential of Muricatin IMD 11-13 from Ipomoea muricata (L) Jacq. (Convolvaceae)

Ms. Marilyn Rimando

MS Biological Sciences (UST)
University of Sto. Tomas
Cytogenetics and Molecular Detection of Chromosomal Aberrations and Fusion Genes in Acute Lymphoblastic Leukemia (ALL) among Filipinos

Dissertation

Ms. Elizabeth Olarte

PhD Biological Sciences (UP Diliman)
Don Mariano Marcos State University-La Union
In vitro Anti-tumor and in vivo Anti-teratogenic Activities of the Anthraquinones from Cassia alata L. leaves

Ongoing

Thesis

Ms. Celeste Soriano

MS Biology (DLSU)

Research and Biotechnology Division, St. Luke's Medical Center

Comparative Analysis of Membrane Protein Content of Thalassemic Red Blood Cell (RBC) Using Immunofluorescence Assay and Sodium-Dodecyl-Sulfate Polyacrylamide Gel Electrophoresis (SDS-PAGE)

Mr. 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

Ms. Rosanna De Guzman

MSPH (UP Manila)

University of the Philippines Manila

Screening for Depression and Anxiety Among In-patients of the UP-PGH: A Validation Study of a Self-Report Questionnaire

Dissertation

Ms. Bella Panlilio

PhD Chemistry (UST)

Angeles University Foundation

Isolation and Structural Elucidation of the Antitubercular Constituents from Momordica charantia Linn.

Mr. Jose Mallari

PhD Biological Sciences (UST)

Manila Central University

Production of Biodegradable Polybeta-hydroxybutarate from Sugarcane Molasses and Sulphite Waste Liquors by Batch and Fed-batch Fermentation

Ms. Eileen Vitug

PhD Biological Sciences (UST)

Pamantasan ng Lungsod ng Maynila

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

Ms. Christine Hernandez

PhD Chemistry (UP Diliman)

UP Institute of Chemistry

Isolation and Structural Elucidation of Potential Anticancer Agents from Philippine Terrestrial Plants

Ms. 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

Ms. Gladys Punzalan

PhD Biology (UP Diliman)

UP Institute of Biology

Cancer Chemopreventive and Chemotherapeutic Activities of Flavonoid-containing Fractions of Anona squamosa Linn. Leaf Extracts

New

Thesis

Mr. Chester Deocaris

MS Biochemistry (UP Manila)

Our Lady of Fatima University, Quezon City Campus

The Betalactamase Activity of Staphylococcus aureus after Treatment with Lipase-Hydrolyzed and Anhydrolyzed Virgin Coconut Oil Produced from Cold and Low-heating Process

Ms. Aretha Ann Liwag

MS Clinical Epidemiology (UP Manila)

West Visayas State University Medical Center

An 8-week Randomized Controlled Trial on the Effectiveness of Vegetable-based Protein Diet (VBP)

Mr. Allen Penafloida

MS Medical Technology (UST)

Notre Dame of Marbel University, Cotabato

Allergenicity and Cross-reactivity of House Dust Mite (HDM) and Cockroach (Cr) Allergens among Filipino Allergic Patients

Ms. Joanna J. 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

Ms. Gardette R. Valmonte

MS Biological Sciences (UST)

University of Santo Tomas

Cross-reactivity Studies of House Dust Mite Allergens and Ascaris lumbricoides

Dr. Paul D. Pasco

MS Clinical Epidemiology (UP – PGH)

University of the Philippines Manila

Diagnostic Features of Tuberculous Meningitis: A Cross-sectional Study

Dissertation

Ms. Magdalena F. Natividad

PhD Molecular Biology (UP Diliman)

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

List 4. TRAINING, SEMINARS, AND WORKSHOPS

Trainors' Training on Basic Health Research

Center for Health and Development, Tuguegarao, Cagayan

6-8 December 2006

Health Research Paper Contest

Center for Health and Development, Region 7

29-30 November 2006

Training on Research Ethics

Batac, Ilocos Norte

23-26 November 2006

Best Practices in Research Management

Mindanao Training Resource Center, DMSF, Davao City

22 November 2006

Research Forum on Emerging Health Issues

Mindanao Training Resource Center, DMSF, Davao City

21 November 2006

Certificate Training Course on Research Methods

Oral Rehydration Therapy, San Fernando, La Union

22 September-17 November 2006

Enhancing Research Skills in Social Welfare and Development Planning/Policy Development

Bayview Park Hotel, Roxas Blvd., Manila

23-27 October 2006

Critical Appraisal Workshop for Evidence-based Medicine

Cebu Institute of Medicine Auditorium, Cebu City

25-26 October 2006

Writeshop on Scientific Article Writing for Publication of Completed Projects

Angeles University Foundation, Pampanga
26 September 2006

Seminar-Workshop on Ethics in Health Research

Research Institute for Tropical Medicine, Muntinlupa City
18-19 September 2006

Seminar-Workshop on Gene Expression Analysis in Diagnostic Medicine

St. Luke's Medical Center, Quezon City
17-26 September 2006

Writeshop on Scientific Article Writing on Publication of Completed Projects

St. Louis University, Baguio City
8 September 2006

Seminar-Workshop in Health Economics in Research

Mindanao Training Resource Center, Davao City
15-16 August, 2006

Writeshop on Journal Publication

West Visayas State University, Iloilo City
10-11 August 2006

Training-Workshop on Data Analysis with Computer Applications

TESDA Region 8, Abucay, Tacloban City
8-11 August 2006

Seminar-Workshop on Bioethics in Research

Mindanao Training Resource Center, Davao City
28-29 July 2006

Training on Health Research and Bioethics

RHTC-DOH 8, Palo, Leyte
3-7 April 2006

Seminar Workshop on Technical Paper Writing and Presentation

DOST Regional Office 6, Iloilo City
14-16 March 2006

Training on Technical Writing

Victor R. Potenciano Memorial Medical Center
EDSA, Mandaluyong City
25 January, 1&15 February, 1 March 2006

Training in Critical Appraisal of Research Paper

West Visayas State University, Iloilo City
28-29 January 2006

List 5. LICENSING AGREEMENTS ENTERED INTO BY PCHRD

TITLE	LICENSEE/ENTERPRISE	DATE SIGNED
Transfer of the production technology for <i>lagundi</i> tablet as cough remedy and for the control of asthma	Herbs and Nature Corp. Pascual Laboratories, Inc.	7 December 2006 15 November 2006
Transfer of the production technology for <i>lagundi</i> pediatric syrup as cough remedy and for the control of asthma in children	Herbs and Nature Corp.	7 December 2006
Transfer of the production technology for <i>sambong</i> tablet as diuretic and for urolithiasis	Pascual Laboratories, Inc.	15 November 2006

List 6. INTELLECTUAL PROPERTY REGISTRATION SUPPORTED/FILED BY PCHRD

INTELLECTUAL PROPERTY	TYPE	RESEARCHER/ INVENTOR	STATUS
Production technology for <i>ampalaya</i> tablet	Invention	National Integrated Research Program on Medicinal Plants Program (NIRPROMP) Dr. Nelia Cortes-Maramba et al.	Patent filed on 21 November 2006
Salt iodine meter device	Invention	Dr. Fortunato Sevilla III	Patent filed on 7 September 2006
Salt iodine test kit	Invention	Dr. Fortunato Sevilla III	Patent filed on 7 September 2006
Production technology for <i>atis</i> lotion as mosquito repellent	Utility model	Prof. Ileana Cruz and Dr. Lilian de las Llagas	Patent filed on 30 November 2006
Device for determining the elasticity of the arterial wall	Invention	Dr. Helen Fojas	Certificate of patent granted by IP Phil in 2006
Herbal composition containing <i>sambong</i> as active ingredient	Invention	NIRPROMP Dr. Nelia Cortes-Maramba, et al.	Certificate of patent granted by IP Phil in August 2006

List 7. GIA-FUNDED DISSEMINATION ACTIVITIES

6th Philippine Network of Microbial Culture Collections Symposium

18 November 2006

United Laboratories, Inc., Mandaluyong City

International Symposium on Schistosomiasis

11-15 September 2006

Research Institute for Tropical Medicine

Alabang, Muntinlupa City

Multipartite Forum on Research Strengthening for the Prevention and Control of Avian Influenza

25 August 2006

Manila Hotel, Manila

Multisectoral Roundtable Discussion on Health Emergencies and Disasters

31 July 2006

Davao City

28th NAST Annual Scientific Meeting

12-13 July 2006

Manila Hotel, Manila

First Outstanding Young Scientists National Convention

11 July 2006

Manila Hotel, Manila

Printing of Booklets on Medicinal Plants

Growing and Postharvest Handling of Sambong, Lagundi, Tsaang Gubat, Yerba Buena, Ampalaya, Niyug-Niyogan, Ulasiman Bato, and Akapulko

Prof. Ernesta G. Quintana

National Integrated Research Program on Medicinal Plants: Agriculture Component

National Research Forum on Health Emergencies and Disasters

20 April 2006

Pan Pacific Hotel, Manila

2nd UP Global Health Course

4-9 April 2006

Silungan, Morong, Rizal

21st Philippine Chemistry Congress

4-7 April 2006

Ateneo de Davao University, Davao City

Twinning Project 2nd National Research Forum

25 January 2006, Far Eastern University Nicanor Reyes Medical Foundation

West Fairview, Quezon City

Centennial Grand Scientific Symposium 2006

23-25 January 2006

Manila Hotel, Manila

Pandemic Influenza Preparedness and Response: Information Sharing through a Virtual Symposium

20 January 2006

Advanced Science and Technology Institute, Quezon City

2nd Annual Philippine Biotechnology Venture Summit

17-20 January 2006

United Laboratories, Inc., Mandaluyong City

List 8. SYMPOSIA, FORA, AND PRESS CONFERENCES CONDUCTED AND/OR PARTICIPATED IN

Planning Workshop for the Advocacy of the PNHRs Unified Health Research Agenda: Visayas and Mindanao

11 December 2006

Davao Medical School Foundation, Davao City

Planning Workshop for the Advocacy of the PNHRs Unified Health Research Agenda: Luzon

14 November 2006

Paskuhan Hotel, San Fernando City, Pampanga

3rd Asian Biotechnology Conference

9-10 November 2006

Diamond Hotel, Manila

PCHRD-PCP Joint Press Conference on Virgin Coconut Oil

7 November 2006

Annabel's Restaurant, Quezon City

PCHRD-PCP Joint Press Conference on Research Ethics

3 October 2006

Annabel's Restaurant, Quezon City

7th Health Research for Action National Forum

28-29 September 2006

Pan Pacific Hotel, Manila

Pre-Forum Press Conference for the 7th Health Research for Action National Forum

26 September 2005

Hotel Kimberly

Tekno Negosyo

14 September 2006

World Trade Center, Pasay City

International Symposium on Schistosomiasis

11-15 September 2006

Research Institute for Tropical Medicine

Alabang, Muntinlupa City

Press Conference on Oil Spill

2 September 2006

Sulo Hotel, Quezon City

Press Conference on Avian Flu

25 August 2006

Manila Hotel, Manila

2006 Scientific Forum, National Science and Technology Week

20 July 2006

Philippine Plaza Hotel, Pasay City

2006 Technology Investment Forum, National Science and Technology Week

8 July 2006

Philippine Trade Training Center, Pasay City

National Biotechnology Week (Entrepreneurship Forum)

4 July 2006

Department of Agriculture, Quezon City

Non-DOH Agencies' Validation of Research Priorities

10 May 2006

Hotel Kimberly, Manila

Writershop for the Revision of the National Ethical Guidelines for Health Research

2-3 May 2006

The Pearl, Manila

Consultation Workshop for the National Unified Health Research Agenda

6 April 2006

Hotel Kimberly, Manila

World TB Day Commemoration

24 March 2006

Quezon Memorial Circle, Quezon City

PCHRD Symposium on Challenges in Health Research Ethics: Global Context and Philippine Reality

17 March 2006

Pan Pacific Hotel, Manila

Formulating a Health Bioindustry R&D Program: A Consultative Workshop

10 March 2006

Traders Hotel, Pasay City

Roundtable Discussion on the Ethical Guidelines in the Conduct of Research on Traumatized Populations

9 March 2006

National Institutes of Health

University of the Philippines Manila

Roundtable Discussion on the Ethical Guidelines in the Review of Research on Traditional and Alternative Medicine

2 March 2006

National Institutes of Health

University of the Philippines Manila

Go NeGOsyo Expo

24-25 February 2006

Market! Market! Trade Hall, Taguig City

Roundtable Discussion on the Ethical Guidelines for Social and Behavioral Research

24 February 2006

Palma Hall

University of the Philippines Diliman

Roundtable Discussion on the Ethical Guidelines for Epidemiologic Studies

24 February 2006

College of Public Health

University of the Philippines Manila

University of the Philippines Manila, College of Medicine Centennial Grand Scientific Symposium on Emergencies and Disasters

23-25 January 2006

Manila Hotel, Manila

Annual Philippine Biotechnology Venture Summit

17-20 January 2006,

United Laboratories, Inc., Mandaluyong City

LIST 9: International Conferences, Meetings, and Fora Participated in by PCHRD

International Conference on Bioinformatics (IncoB 2006)

18-20 December 2006

New Delhi, India

2nd ASEAN – India Bioinformatics Human Resource and Development Programme

14-16 December 2006

New Delhi, India

International Dialogue for Evidence-informed Action for Health

13-16 December 2006

Khon Kaen, Thailand

Meeting on the Development of the Western Pacific Region Index Medicus (WPRIM) and the Global Health Library

11-12 December 2006

Beijing, China

Training Course on Children, Health, and Well-being: A Cultural Perspective

20 November – 1 December 2006

Amsterdam, The Netherlands

Industrial Technology Research Institute – DOST Training on Intellectual Property Rights' Management

5-25 November 2006

Taiwan, Republic of China

International Congress and Exposition on Trade in Services

5-7 October 2006

New Delhi, India

Meeting on Knowledge Translation, NUIdea Bank Program

5 October 2006

Singapore

World Intellectual Property Office (WIPO) Training on IPR Management

1-2 August 2006

Colombo, Sri Lanka

United Kingdom – Singapore Conference on Building S&T Capacity with South East Asian Partners

12-14 July 2006

Singapore

Training on the Maintenance of the Western Pacific Region Index Medicus (WPRIM)

18 June – 1 July 2006

Seoul, South Korea

Informal Consultation on National Health Research Systems Analysis in the WHO Western Pacific Region

8-11 May 2006

Penang, Malaysia

16th European Congress of Clinical Microbiology and Infectious Diseases

1-4 April 2006

Nice, France

Informal Consultation on the Development of the Western Pacific Region Index Medicus (WPRIM)

30-31 March 2006

Manila, Philippines

United Kingdom–Singapore Immunology Workshop

29-31 March 2006

Biopolis, Singapore

COHRED Think Tank on Priority Setting for Health Research and National Health Research System (NHRS)

20-23 February 2006

Geneva, Switzerland

List 10. SCIENTIFIC PUBLICATIONS

National Ethical Guidelines for Health Research

Capacity Building Monograph for Health Research

National Unified Health Research Agenda 2006-2010

Health Research Agenda of North Luzon 2006-2010

Health Research Agenda of South Luzon 2006-2010

Health Research Agenda of the Visayas 2006-2010

Health Research Agenda of Mindanao 2006-2010

Proceedings of the 6th Health Research for Action National Forum

Proceedings of the 24th PCHRD Anniversary Celebration, "Challenges in Health Research Ethics: Global Context and Philippine Reality" held 17 March 2006, <http://www.pchrd.dost.gov.ph>

List 11. PRESS RELEASES

- DOST pushes "lagundi," 11 December 2006, *Manila Bulletin*
- Philippine National Health Research System: Advancing health research, 8 December 2006, *BusinessWorld*
- DOST official pushes bill on health research, 21 October 2006, *Manila Bulletin*
- Biotechnology: The way to go, 7 October 2006, *Business Mirror*
- Agricultural biotechnology (Science on herbal plants), 6 October 2006, *Business Mirror*
- *Duhat* facts, August 2006, *Philippine Daily Inquirer*
- DOST awards outstanding scientists, partners in S&T, 27 July 2006, *Positive News Media*
- DOST fetes outstanding S&T researchers, technologists, journalists, 26 July 2006, *PSciJourn*
- 2 *Bulletin* reporters bag top awards in science and technology, 21 July 2006, *Manila Bulletin*
- About DOST, 17 July 2006, *Graphic Frontpage*
- Science saving, improving lives featured in S&T Week, 17 July 2006, *Business Mirror*
- Science community marks National S&T Week, 17 July 2006, *Philippine Star*
- S&T week focuses on saving lives, 16 July 2006, *People's Journal*
- Science with a sense, 15 July 2006, *People's Journal*
- Pinoy drugmaker to export herbal medicines next year, 10 July 2006, *Manila Standard*
- The wonders of ampalaya, *Business Mirror*, 04 July 2006
- DOST embarks on program to promote biotech, 25 June 2006, *Manila Bulletin*
- DOST embarks on four-year biotech program, 25 June 2006, *Philippine Star*
- Ampalaya supplement, 21 June 2006, *Manila Bulletin*
- DOST lists priority projects for budgeting, 06 June 2006, *Manila Bulletin*
- Ascof lagundi cough syrup, 23 May 2006, *Business Mirror*
- PCHRD NSTW participation
- OHRA, Gruppo nominees, *Manila Bulletin*
- Ethical guidelines on research on traumatized population drafted, 20 March 2006, *Manila Bulletin*
- DOST attached agencies, *nagbibigay impormasyon sa landslide*, 20 March 2006, *People's Tonight*
- Guidelines to protect health research participants sought, *People's Tonight*, 18 March 2006

List 12. TV FEATURES/INTERVIEWS

- Sec. Estrella F. Alabastro, signing of license agreements between PCHRD-DOST and Herbs and Nature Corporation on the transfer of the production technology for lagundi tablet and pediatric syrup, 7 December 2006, ABS-CBN 2
- Dr. Jaime C. Montoya, signing of license agreements between PCHRD-DOST and Herbs and Nature Corporation on the transfer of the production technology for lagundi tablet and pediatric syrup, 7 December 2006, GMA-7
- Herbal medicines (Dr. Isidro Sia), 7 December 2006, GMA-7
- Benefits of virgin coconut oil, 7 November 2006, ABS-CBN 2
- Benefits of virgin coconut oil, 7 November 2006, GMA-7
- Benefits of virgin coconut oil, 7 November 2006, RPN-9
- About PCHRD, *Pilipinas, gising ka na ba?* 21 September 2006, UNTV 37
- Oil spill, 2 September 2006, ABS-CBN 2
- Oil spill, 2 September 2006, ABC-5
- Oil spill, 2 September 2006, GMA-7
- Oil spill, 2 September 2006, RPN-9
- Medicinal plant products, *Magandang umaga, Pilipinas*, 19 July 2006, ABS-CBN 2
- National biotechnology week (Entrepreneurship forum), 4 July 2006, IBC 13
- Challenges in health research ethics, 17 March 2006, ABC-5
- Challenges in health research ethics, 17 March 2006, IBC 13

List 13. RADIO FEATURES/INTERVIEWS

- Pesticide exposure (Dr. Jinky Lu), *Radyo natin Guimba*, 105.3 FM, 17 August 2006
- Tuberculosis (Dr. Jaime C. Montoya), *Radyo natin Guimba*, 105.3 FM, 7 July 2006
- Outstanding Health Research Award, 1 July 2006
- About TB, *Isyu ng bayan*, DZME, 1 July 2006
- *Sakit sa balat* (Dr. Ma. Lorna Frey), *Radyo natin Guimba*, 105.3 FM, 9 June 2006
- NSTW awards (Dr. Jaime C. Montoya), DZMM, 8 June 2006
- NSTW awards (Dr. Jaime C. Montoya), DZAS, 3 June 2006
- NSTW awards (Dr. Jaime C. Montoya), DZMM, 1 June 2006
- Medicinal plants (Dr. Isidro Sia), *Radyo natin Guimba*, 105.3 FM, 26 May 2006
- NSTW awards (Dr. Jaime C. Montoya), DZAS, 22 May 2006
- NSTW awards (Dr. Jaime C. Montoya), DZMM, 21 May 2006
- Colon cancer (Dr. Jaime C. Montoya), DZEM, 28 April 2006
- Colon cancer (Dr. Jaime C. Montoya), DZEM, 26 April 2006
- Colon cancer (Dr. Jaime C. Montoya), DWIZ, 26 April 2006
- Colon cancer (Dr. Jaime C. Montoya), DZXL, 25 April 2006
- Challenges in health research ethics (Dr. Jaime C. Montoya, PCHRD), DZEM, 17 March 2006
- Challenges in health research ethics (Dr. Mario Villaverde, DOH), DZEM, 17 March 2006
- Challenges in health research ethics (PCHRD), DZXQ, 17 March 2006

List 14. WEBSITE ARTICLES

- Local nutraceutical market growing stronger, 7 December 2006
- National ethics guidelines for health research, 27 October 2006
- National Unified Health Research Agenda 2006-2010, 20 October 2006
- New malaria drug from South Africa, 17 August 2006
- 1st national research forum on health emergencies and disasters, 3 May 2006
- Consultation workshop to unify health research agenda set on April 6, 4 April 2006
- Stroke alert, 30 March 2006
- Filipinos celebrate World TB Day, 29 March 2006
- Formulating a comprehensive R&D program for the health bioindustry, 14 March 2006
- PCHRD turns 24, 7 March 2006
- Twins present regional researches, 28 February 2006
- Search is on for best herbal research! 28 February 2006
- Stirring interest in biotechnology enterprise, investment among Filipinos, 28 February 2006
- Half a million pesos up for grabs, 22 February 2006
- Training course on ethics review of health research held in Cebu City, 6 January 2006
- PCHRD sponsors IPR seminar workshop at DLSU, 6 January 2006
- NEHAP: Integrating health and environment protection, 6 January 2006
- Research results disseminated among end-users in Benguet, 6 January 2006