

Philippine Council for Health Research and Development PCHRD 2005 Annual Report

Philippine National Health Research System: Stepping up the Pace, Ears on the Ground

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PCHRD 2005 Annual Report Philippine National Health Research System: Stepping up the Pace, Ears on the Ground

PCHRD

The Philippine Council for Health Research and Development (PCHRD) is one of the five sectoral councils of the Department of Science and Technology (DOST). PCHRD is a forward-looking, partnership-based national body responsible for coordinating and monitoring health research activities in the country.



THE COUNCIL

Vision for the Philippine Society

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

Vision for PCHRD

The lead Council that creates and sustains an enabling environment for health research in the country.

Mission of PCHRD

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To create and sustain an enabling environment for health research, we are committed to:

- ***** 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 coordinating the health research system Council's role in leading, managing, and coordinating the health research system.

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from the SECRETARY

I commend the Philippine Council for Health Research and Development (PCHRD) for its continued commitment to the public in supporting consumer-centric researches while at the same time advancing the cause of next generation health technologies.

The year 2005 saw PCHRD transferring mature technologies to the production sector, especially in medicinal plants and diagnostic test research. At the same time, PCHRD sought to break new grounds in health research through the Council's projects on Severe Acute Respiratory Syndrome (SARS), dengue, and cancer, specifically its projects on cancer genetics and "Antibody Biotechnology and Liposome Drug Delivery Technology for Experimental Therapeutics of Breast Cancer" (AMOR).



I would also like to commend PCHRD for exhausting the possibilities of the Internet and of digital communication for communicating health research results and information to the public, the media, the health practitioners and the policymakers. Research, after all, is never complete until it is written up and its results are shared with its intended endusers as well as with other scientists who may further build on the results of a given study.

I am confident that with a new Executive Director at the helm, PCHRD will continue to support innovative health researches not only for the benefit of the Philippine population, but for those of our neighbors in the global village as well.



Estrella F. Alabastro, PhD Secretary



In behalf of the officers and staff of the Philippine Council for Health Research and Development, I am pleased to report the Council's accomplishments for the year 2005.

The PCHRD continued to be active in technology commercialization, bringing to health consumers the products of research. While we give premium to research with potentials for commercialization, we also supported capacity-building programs in advanced research like "Antibody Biotechnology and Liposome Drug Delivery Technology for Experimental Therapeutics of Breast Cancer" (AMOR) and cancer genetics.

In between the idea inception-research results continuum, the Council worked with the Department of Health (DOH) and the Commission on Higher Education (CHED), among other things, to come up with a unified national research agenda; firm up the ethics guideline; and strengthen the capacities

from the EXECUTIVE DIRECTOR

of health research institutions through our Twinning and information programs.

The Philippine National Health Research System remains our convergence strategy in orchestrating research efforts toward greater impact and visibility. We continued our dialogues with partners, clarifying roles, stepping up the pace, while at the same time conducting joint activities.

We foresee to continue our major programs in the next years, infusing new strategies and a fresher outlook as we work among equals. We expect to be more visible with our user communities, while at the same time, ensuring that we create and sustain the productivity of a critical mass of researchers amidst the massive outmigration of health professionals and low priority that institutions accord research.

As PCHRD's new executive director, I see the challenges as opportunities for us to build a strong research network and a strong PCHRD.

Jaime C. Portoya me C. Montoya, MD, MSc **Executive Director**



PCHRD at 23









"Learnings on Capacity Building for Health Research: Pointers for the Future" was the theme of PCHRD's 23rd Anniversary last 17 March 2005 at the Hyatt Hotel, Manila.

Recipients and beneficiaries of PCHRD's capacity building programs shared their learnings as well as their ideas of the future of health research. Some of the key points were as follows:

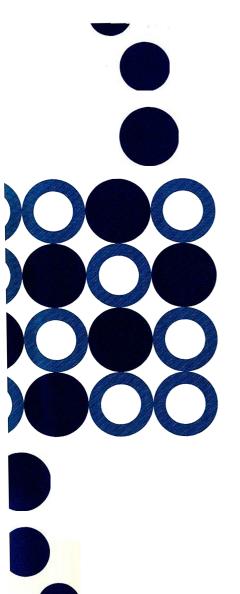
- build high-performance research organizations;
- offer training in different formats at various levels;



- come up with programs encouraging early exposure of health science students to relevant research;
- emphasize and encourage communitybased and collaborative research;
- * ensure utilization of research results;
- ***** facilitate access to funding resources.

Dr. Jane Baltazar, Chair of the Committee on Capacity Building of the Philippine National Health Research System (PNHRS), in her Closing Remarks, was optimistic that the coordinated efforts of the PNHRS will help address the gaps in as well as strengthen existing research capacities to achieve national and global health goals.





*** PNHRS Philippine National Health Research System

As the lead of the Philippine National Health Research System (PNHRS), PCHRD is committed to promote, facilitate, and coordinate health-related activities in order to come up with more coherent research agenda and programs.

PNHRS Vision

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

PNHRS Mission

To create and sustain an enabling environment for health research toward evidence informed health and health related policies and actions.

This year, the System conducted agenda setting consultations nationwide, advocacy/training on ethics in health research, research dissemination through the Health Research for Action National Forum, WHO's Meeting of the Western Pacific Advisory Committee on Health Research and Health Research Councils, and other events. Strategic planning was also done to firm up PNHRS vision, mission, and action plans.





WORKING TOWARD ONE RESEARCH AGENDA



Consulting Stakeholders Nationwide

True to its mandate of directing and integrating all health research efforts in the country, PCHRD spearheaded the national research agenda setting activities in the country.

As partners in the PNHRS, DOH and CHED joined efforts in coming up with unified national health research agenda for 2006-2010 for the PNHRS, with the hope of minimizing duplication and maximizing resource utilization.

To facilitate the agenda setting process, consultations with various stakeholders were conducted from April to November 2005 among four zones in the country:



 Northern Luzon: Regions 1, 2, CAR
 Southern Luzon: Regions 3, 4, 5, NCR
 Visayas: Regions 6, 7, 8
 Mindanao: Regions 9, 10, 11, 12, ARMM, CARAGA

Regional consultations discussed the five-year health research priorities in a region. These outputs were presented in a zonal consultative workshop which assessed if there were common agenda. In turn, the zonal agendas for 2006-2010 will be consolidated into a unified national health research agenda.

In addition to the consultation process, secondary data review, survey, key informant interview, focused group discussion, roundtable discussion, and workshops were used to draw up the agenda.





Zonal and regional facilitators were designated to oversee the consultation process.

North Luzon				
Zonal Facilitator Dr. Leonardo Quitos Jr. (NEDA-I)				
Regional Facilitators				
Dr. Socorro Escalante (CHD 1)	Region I			
Dr. Rustico Santos (DOST-II)	Region 2			
Dr. Elizabeth Dacanay (St. Louis University)	CAR			
South Luzon (including NCR)				
Zongl Facilitator				
Dr. Charles Yu (DLSU-Cavite)				
Regional Facilitators				
Dr. Evelyn Yumiaco (Angeles University)	Region 3			
Dr. Carmen Tolabing (DLSU-Cavite)	Region 4			
Dr. Elma Cabrera (BRTTH/Bicol Christian University)	Region 5			
Dr. Dennis Teo (Manila Doctors Hospital)	NCR			
Visayas				
Zonal Facilitator				
Dr. Fidelis Quiza (Cebu Institute of Medicine)				
Regional Facilitators				
Dr. Edgardo Gonzaga (CHD 6)	Region 6			
Dr. Crisol Tabarejo (CHD 7)	Region 7			
Dr. Fe Barquin (CHD 8)	Region 8			
Mindanao				
Zonal Facilitator Dr. Marlina Lacuesta (Ateneo de Davao)				
Regional Facilitators				
Dr. Grace Rebollos (Southwestern Mindanao State University)	Region 9			
Dr. Chona Echavez (Xavier University)	Region 10			
Dr. Victoria Lupase (Davao Medical School)	Region 11			
Dr. Dolores Daguno (Notre Dame College)	Region 12/ ARMM			
Ms. Lucita Taguidin (CHD Caraga)	CARAGA			

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Completed Researches Supported

Among the supported researches, five projects were completed; five new projects were approved; and 14 were ongoing.

1. Iodine Test Kit and Meter for Iodized Salt

Two devices were developed, the iodine test kit and iodine meter, aimed to characterize a stable and user-friendly reagent kit for the measurement of iodine in iodized salt; design a device for the reproducible quantitative measurement of the amount of salt sample; and produce a direct-reading device for the measurement of iodine in iodized salt.

Improvement and validation of the test kit and iodine meter is now in process. This is done in coordination with the Food Analysis Service laboratory of the Food and Nutrition Research Institute-Department of Science and Technology (FNRI-DOST).

Parallel to the improvement of the test kit and meter, PCHRD conducted technology promotion through product demonstration and launching activities. Furthermore, potential technology adopters were invited to join in the technology enhancement.

2. Pesticide Exposure and Health Assessment among Vegetable Industry in Benguet

The project aimed to investigate the work conditions and practices that increase the exposure to chemical pesticides of vegetable industry workers in Benguet. Health consequences that may result from these exposures were determined through biologic monitoring; and appropriate control measures were recommended to promote the health of vegetable farmers and the community. Farmers were then informed about the importance of education as well as the proper use and handling of pesticides.

3. Technology Generation and Transfer of Margarine – Fortified with Vitamin A, Iodine, Omega 3 and 6 Fatty Acids



The project sought to develop the technology for the fortification of margarine with micronutrients such as vitamins A and B1, iron, and iodine as well as with essential fatty acids such as omega -3 and -6 that will help in addressing the micronutrient deficiency problems in the country.

4. Establishment of School/ Community-Based Supplementary Feeding Program: Metro Manila The project aimed to establish sustainable

supplementary feeding centers to promote

 growth and nutritional rehabilitation among nutritionally at risk public preschool and school children in schools and in communities and to test system(s) for the provision of supplementary foods to beneficiaries in schools and communities. It also aimed to foster convergence of commitments among schools and communities stakeholders.

Based on the project's experiences in setting up a model for supplementary feeding, its project proponent, FNRI-



DOST, came up with two manuals: (1) Handbook on setting-up a school/ community-based supplementary feeding program and (2) Handbook on Nutritious Recipes to guide potential stakeholders who wish to put up a feeding center.

5. Sixth National Nutrition Surveys: Food Consumption Survey 2003

The project aimed to assess the current, as well as trends in the food consumption situation and adequacies in the energy and nutrient intakes of Filipino households, infants and young. Among the recommendations of the study were the following:

- promotion of sustained milk drinking beyond breast-feeding to ensure adequacy of intake of protein, calcium, riboflavin, and vitamin A;
- strengthening of nutrition education and multimedia information campaigns on fruit and vegetable consumption; practice of breastfeeding and complementary feeding; use of iodized salt-fortified foods; proper food preparation and safety;
- intensification and more vigorous campaign for school, community, and home or backyard gardening as well as poultry and livestock raising programs; and
- strict enforcement and proper implementation of the food fortification law.



ENSURING ETHICS IN HEALTH RESEARCH

First Assembly for DOH Research Ethics Committees

To enable the DOH Research Ethics Committees (RECs) to adhere to the highest standards and ideals in the conduct of research involving human subjects, DOST-PCHRD, DOH-HPDPB, and the University of the Philippines (UP) – Fogarty Bioethics Program collaborated in conducting the First Assembly for DOH Research Ethics Committees last 20-21 June 2005 at the Atrium Hotel, Pasay City.

Chairs and members of the DOH RECs all over the country attended the Assembly. The participants were expected to (1) be updated on the new challenges and directions in health research ethics, (2) review international and national guidelines to establish and institutionalize RECs within the DOH, (3) plan a common course of action, and (4) forge a stronger linkage through regular interactions, sharing of experiences, and by organizing an association of ethics committees in DOH.

Training Course on Ethics Review of Health Research

A Training Course on Ethics Review of Health Research was held last 4-5 November 2005 at the Waterfront Hotel, Cebu City. The participants reviewed specific cases to ascertain that they have internalized the ethics review guidelines. The event also served as a venue to consult participants on the proposed revision of the National Ethics Committee guidelines. 61 participants, mostly from the Visayas region, gave their comments. These comments as well as those from other stakeholders will be incorporated in the revised ethics guidelines.

UNESCO Rotating Conference on Ethics: Ethics Around the World

Last 10 December 2005, representatives from the United Nations Educational, Scientific and Cultural Organization (UNESCO), ethics experts from government and private organizations, academicians, and policymakers gathered together for the UNESCO Rotating Conference on Ethics: Ethics Around the World held at the Hyatt Hotel Manila. In cooperation with DOST-PCHRD, this conference was organized by the UNESCO National Commission of the Philippines (UNACOM).

Dr. Henk Ten Have of the Division of Ethics of Science and Technology of UNESCO, Ms. Michele Jean of the International Bioethics Committee (IBC), and Prof. Sang-yong Song of the World Commission on the Ethics of Scientific Knowledge and Technology (COMEST) presented the overview of UNESCO activities in the area of ethics.

In this conference, the Philippines described and discussed their teaching programs on ethics.



BUILDING THE CAPACITIES OF THE HEALTH RESEARCH INSTITUTIONS

PCHRD Scholarship, Research Fellow, and Thesis Assistance Program

In 2005, PCHRD supported two ongoing research fellows, 26 ongoing scholars and six new scholars. Of these, seven scholars completed their degrees.

The Council also assisted two new and 12 ongoing thesis/dissertation grantees. Five of these completed their theses/dissertations.

Regional Researches

The ongoing research in the regions manifested the extent of how well PCHRD addressed the issue of equity in research. Through its Regional Research Fund (RRF), 11 new projects were approved; 17 were completed; and 18 were ongoing.

These projects were facilitated by the Regional Health Research and Development Committees (RHRDC) of Regions 1, 6, 7, 8, and 11. RHRDC is a structure created by the PCHRD to bring together research institutions to help guide health research activities in the region to address regional health needs.

Regional and Inter-regional Research Presentations

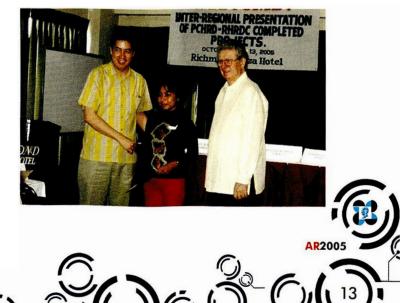
On 13 October 2005, 10 researchers from five regions presented their findings in the Inter-regional Presentation of Completed Projects at the Richmond Plaza in Cebu City. Attended by various stakeholders from the academe, government, and health institutions, the event served as a platform for disseminating research and research results.



Two timely studies on dengue fever, a disease spread by the mosquito Aedes aegypti which is prevalent in the country during the rainy season, were presented.

Dr. Leonido Olobia of RHRDC-8 presented a study titled "Establishment of Seasonal Pattern of Occurrence of Aedes Mosquito Dengue Vector through Larvitrap Technique". This study looked at measures, specifically the Larvitrap, in predicting dengue cases.

Another research on dengue, "Single Dose Oral Toxicity of Euphorbia hirta Decoction in Swiss Mice" presented by Ms. Ludivina Porticos of RHRDC-11, looked at the efficacy of tawa-tawa or Euphorbia hirta, a medicinal plant, on dengue fever.





These studies are expected to provide basis in designing and implementing prevention and control programs in dengue.

Other studies presented were as follows:

- Evaluation of Selected Plant Oils and Extracts in the Control of Head Lice (Pediculus humanus capitis) among Children (R1 HRDC)
- Bioactivity Screening of Selected Ethnobotanicals (RHRDC-6)
- Health Seeking Behavior and Knowledge of Patients in the Animal Bite Centers in the Province of Iloilo about Rabies (RHRDC-6)
- Correlates of Medical Consults among Children who Experienced Dog Bites (RHRDC-11)
- The Effectiveness of Vision-Screening on the Visual Assessment Skills of Pre-school and Elementary Teachers of Southwestern University, Cebu City-Proposed Utilization Strategies (RHRDF-7)
- An Evaluation Study of the Philippine Early Childhood Development Project (RHRDF-7)
- The Validity of Daytime Peripheral Blood Smear Collection in the Diagnosis of Filariasis (RHRDC-8)
- Nosocomial Infection in Region 1 (R1HRDC)

Twinning Project

Under the Twinning Project, PCHRD supported the research collaboration of the following twins: University of Santo Tomas-Faculty of Medicine and Surgery and the Angeles University-College of Medicine; University of the East-Ramon Magsaysay Memorial Medical Center and Xavier University-Dr. Jose P. Rizal College of Medicine; Far Eastern University-Dr. Nicanor Reyes Medical Foundation and Saint Louis University-College of Medicine; Cebu Institute of Medicine and West Visayas State University-College of Medicine; and University of the Philippines Manila-College of Public Health and Ago-Bicol Christian College of Medicine.

Aside from nurturing a research culture, one of the most significant contributions of the program is the development of the research competencies of the faculty members in the satellite institutions leading to the creation of research structures and systems.

There is now a core group of faculty members with the capacity to formulate and implement researches; and the knowledge and skills to teach basic research methods to other health professionals.

The Twinning Project also provided a venue for the dissemination of research findings through national and regional research forums and conferences, and publishing in school journals.

Xavier University and West Visayas State University developed their own institutional research agenda while the other institutions adopted the PCHRD regional research agenda.

The satellite institutions were involved in the consultations for the regional and the zonal research agenda. This involvement gave them a good view not only of their institutional agenda but of the regional agenda as well.





2005 Gruppo Medica Awardees for Outstanding Research

The PCHRD-Gruppo Medica Award is given to undergraduate students engaged in innovative research work on herbal medicine. It is awarded to studies that have potential for practical or commercial applications. The award provides motivation for students to view undergraduate thesis not merely as an academic exercise, but as an excellent opportunity to contribute to national development.

This year, the Selection Committee decided not to give a First Prize. Instead, two researches were awarded 2nd prizes, each receiving P40,000, and one 3rd prize winner who received P20,000.

2005 PCHRD-Gruppo Medica Award

2nd PRIZE

Wound Healing Property of Centella Gel Formulated from Centella asiatica (I) Urban (Apiaceae) Karla Banaria and Geshiela Estrelon College of Pharmacy, University of the Philippines Manila

Hypoglycemic Action of a Tablet Formulated from Anacardium occidentale L (Ancardiaceae)

Sheena Aguilar, Precious Gomez, and Jonalie Sison College of Pharmacy, University of the Philippines Manila

3rd PRIZE

Antifungal Action of an Ointment Formulated from Lemongrass Oil [Cymbopogon citrates (DC) Stapf (Family Poaceae)]

Chelo Briones, Virgael Luzbeth Dimanlig, and Ella Pon-an College of Pharmacy, University of the Philippines Manila

**Prof. Jocelyn Bautista Palacpac served as adviser for all three entries.



COMMUNICATE, COMMUNICATE, COMMUNICATE... TO ENSURE UTILIZATION OF RESEARCH RESULTS

Health Technologies Attracted More Takers

An increasing number of technology adopters signified their interest to commercialize PCHRD's medicinal plant products.

Pascual Laboratories, Inc. (PLI) renewed for another five years a non-exclusive licensing agreement with PCHRD for the transfer of production technologies on lagundi and sambong tablets. Lagundi is indicated for cough and for the control of asthma while sambong is used as diuretic and for urolithiasis.

Another pharmaceutical company, Verheilen Pharmaceuticals, Inc., entered into a fiveyear non-exclusive licensing agreement with PCHRD to manufacture lagundi tablet and lagundi pediatric syrup. Verheilen Pharmaceuticals aims to penetrate not only the local market but the export market as well.



of the Pharmaceutical Industry (PCPI) to assist PCHRD in selling commercializable technologies to its members.

PCHRD Linked with Asian Network on Medicinal Plants

Last 20-22 October 2005, PCHRD joined the 2005 Asia-Pacific Traditional Medicine Expo and Forum in Wuhan, Hubei, China wherein PCHRD highlighted its work in medicinal plants products development and commercialization.



During this occasion, four events were held in parallel: (1) 2005 Asia-Pacific Traditional Medicine Expo (Exhibits); (2) 2005 Asia-Pacific Traditional Medicine Forum in which papers were presented by researchers

Herbs and Nature, Inc. also signified intention to adopt the production technologies for lagundi and sambong tablets.

PCHRD expects more technology adopters with the pledge of the Philippine Chamber

PCHRD



from Asia Pacific; (3) Asia-Pacific Traditional Medicine and Herbal Technology Network (APTMNET) Meeting; and (4) Meeting with Chinese Entrepreneurs from Traditional Medicine.

PCHRD's involvement in the APTMNET keeps the Council abreast with the latest developments in traditional medicine and herbal technology, especially from leading countries such as China and India.

Strengthening Institutional IP Management

As part of its advocacy to promote Intellectual Property Rights' (IPR) appreciation in the academe and research institutions, PCHRD organized a seminar workshop on IPR at the Yuchengco Building of the De La Salle University (DLSU)-Manila last 22 November 2005.



The main objective of the Seminar-Workshop was to enhance awareness on IPR and on the legal rights of researchers of the DLSU research community, including the implications of IPR on creativity, inventiveness, innovation, capacity development and the integration of different disciplines for IPR management: economy, law, and management of technology, among others.



Five presentations were made, namely:

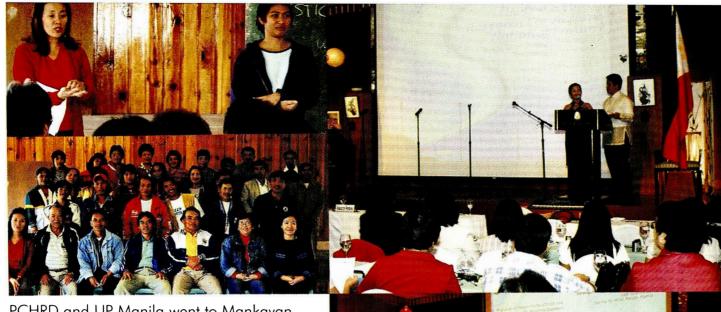
- Överview of the Philippine IP System and the Importance of IPR by Ms. Carmen Peralta of the Intellectual Property Office (IPO);
- Writing Patent Specification by Atty. Neptali Bulilan of Sapalo-Velez Law Firm;
- Publishing Research and Copyright Rules by Atty. Karen Dalangin of Bengzon-Negre-Untalan Law Firm;
- Technology Valuation by Prof. Edison Cruz of the Technology Management Center in UP Diliman; and
- Technology Licensing and Commercialization by Atty. Edith Hechanova of the Licensing Executive Society.

Having gained IP rights awareness, the participants considered enforcement of the IP rights as a priority in creating a dynamic research environment.

Research results disseminated among end-users in Benguet

Last 22 December 2005, a team from





PCHRD and UP Manila went to Mankayan, Benguet to disseminate among vegetable farmers the results of the PCHRD-assisted study titled "Pesticide Exposure and Health Assessment among Vegetable Farm Workers in Benguet."

Started in 2004 and headed by Dr. Jinky Leilanie Lu of the National Institutes of Health, key results of the study were shared among vegetable farmers. Information on commonly used pesticides as well as the signs and symptoms of pesticide exposure among them were given.

Vegetable farmers were also taught on the proper use and handling of pesticides and on the use of personal protective equipment. They were also advised on the ill effects of pesticides on health and the environment.

The use of the local dialect of both resource persons, Dr. Lu and Dr. Anna Marie Leung of St. Louis University, greatly facilitated the discussion.

Dissemination of research results among end-users, through the use of language and format understandable to the end-users was a lesson gained from this exercise. This lesson will be helpful in firming up the Council's research utilization strategies.



6th Health Research for Action National Forum

Key stakeholders in the health community met once more as HPDPB-DOH and PCHRD-DOST organized the 6th Health Research for Action National Forum last 22-23 June 2005 at the Pan Pacific Hotel, Manila, with the theme "Thinking Global, Thinking Systems in Health: Strengthening Reform Initiatives."

UP President, Dr. Emerlinda Roman, advocated in her keynote speech, "research in health will bring better health, in all its forms, for those who most need it."

The Forum had three plenary sessions and eight parallel technical sessions: Plenary 1 – sector-wide approach for health reforms; Plenary 2 – health reforms in Asian countries;





June 22-23, 2005

1st PRIZE

Changing Antimicrobial Resistance Patterns among Enteric Pathogens in the Philippines – Using Information for Action Dr. Celia Carlos Research Institute for Tropical Medicine, Department of Health

2nd PRIZE

The Effectiveness of Bi-tech Film Holder on the Accuracy of Intraoral Periapical Radiography (IPR): Proposed Utilization Strategies Dr. Rufino Niño Requina Center for Research and Evaluation, Southwestern University, Cebu City

3rd PRIZE

Knowledge, Attitudes and Practices on Induced Abortion of Selected Communities in Tuguegarao City Dr. Roberto Macatuggal Ms. Sandra Sangab Center for Health Development -Caayan Valley

> and Plenary 3 – globalization and migration of health professionals. Topics for the eight technical sessions included (1) knowledge management for health; (2) health care financing and economics; (3) local health systems development; (4) hospital systems development; (5) family and environmental

health; and (6) infectious disease prevention and control; (7) healthy lifestyle and occupational safety; and (8) clinical and health technologies. In addition, the Forum also featured the annual poster exhibit contest of relevant health researches.

In his synthesis, Dr. Serafin Talisayon, Vice-Chairman of the Knowledge Management Association of the Philippines and Professor at the UP Asian Center, ended the two-day forum with the following insights:

- Think globally, act locally. There is a need for researches that look at the bigger picture as well as researches that give actionable results that the Filipinos can see and feel.
- Learn from other Asian experiences. Close to benchmarking is adapting good or best practices from abroad to Philippine needs and conditions. Study the lessons learned by other countries.
- Problems can also be opportunities.
 Focus on capturing opportunity areas that accompany trends such as globalization.







2005 National Science and Technology Week: The Synergy of Working Together

Technology Fair

This year's exhibit at the annual National Science and Technology Week (NSTW) was different from those held in the previous years. R&D councils and institutes were grouped together to form eight clusters, namely: (1) Processed Food, (2) Horticulture, (3) Marine, (4) Gifts, Toys and Housewares/Metals/ Furnitures, (5) Advanced Technology, (6) Science Promotion, (7) Disaster Mitigation, and (8) Regions.



PCHRD, with Philippine Council for Advanced Science and Technology Research and Development (PCASTRD), Advanced Science and Technology Institute (ASTI), and Philippine

CHRD

Nuclear Research Institute (PNRI), comprised the Advanced Science and Technology Cluster.

Creating an i-Community for the Filipinos through (Advanced) Science and Technology was the theme of the Advanced S&T Cluster. The exhibit highlighted how advanced S&T helps build a community that is intelligent, interactive, interconnected, informed, and promotes an interesting way of living. It



presented (glimpses of) a progressive and modern lifestyle brought about by the advancements in science particularly in the field of information and communications technology, electronics, materials science, and biotechnology. PCHRD featured the following programs: (1) cancer genetics, (2) bioinformatics, and (3) telehealth.

The NSTW Technology Fair Evaluation Report showed that a large number of respondents favored the exhibit of the Advanced Science and Technology Cluster in terms of the following: gave enough information about their technologies; provided new knowledge/ information to the viewers; provided adequate supplementary printed materials; showed impressive competence/ expertise; showed that scientists, investors, technologists can compete with those in other developed countries; and showed that DOST has greatly contributed to the development of S&T in the country.

Scientific Meeting on "Disaster Preparedness and Mitigation: S&T Prevention to Rehabilitation"

As part of the NSTW celebration, a scientific symposium on Disaster Preparedness and Mitigation: S&T Prevention to Rehabilitation was held last 15 July 2005 at the Westin Philippine Plaza Hotel, Roxas Boulevard, Pasay City. This was a collaborative



effort of the PCHRD, Philippine Institute of Volcanology and Seismology (PHIVOLCS), Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), PNRI, and ASTI.



The symposium highlighted the role of S&T in the management (preparedness, mitigation and rehabilitation) of natural (geologic, hydro-meteorological) and biological/ chemical disasters. Current efforts on local health emergency preparedness and response aimed towards public health safety were also discussed in the symposium.

Scientists and experts from the DOST (PHIVOLCS, PAGASA, and PNRI) discussed topics on Earthquake and Volcano Hazards Risk Mitigation, Weather Forecasting Techniques, and Radiological Emergencies and Nuclear Terrorism. The speaker from the Office of Civil Defense (OCD) on the other hand, presented the National Disaster Coordinating Council's (NDCC) Disaster Management Standard Operating Procedures (SOPs) for the General Public.



Health Research Information for the Public

In 2005, the PCHRD Library served a total of 37,109 clients who visited personally the PCHRD office and its website, called by phone, and those who sent emails and faxes.

PCHRD is a major contributor to the Science and Technology Information Network of the Philippines (SCINET) database and the Philippine e-Lib. SCINET is a consortium of all the libraries and information centers under the DOST. The Philippine e-Lib, on the other hand, is an online bibliographic catalog which provides information access to the various sectors of society, through the main node at the National Library of the Philippines.

New Records in the National Database

A total of 2,839 new entries from published and unpublished Philippine health researches were added to the HERDIN (Health Research and Development Information Network) database this year. To date, the database has a total of 42,605

records of health researches.

The HERDIN website (www. herdin.ph) continued to gain popularity with researchers not only in the Philippines but also by users from more than 30 countries. Top visitors of the site included the United States, Japan, Canada, Australia, Indonesia, and India.

Sustaining e-Health Communities

e-Health (www.ehealth.ph) was designed to be a one-stop information resource

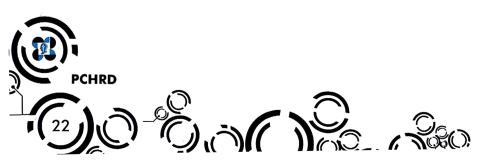
community for the many players involved in health research.

Active research communities included the TB and the Network for Integrative Multidisciplinary Bioinformatics Utilization Strategies, Inc. (NIMBUS).



Meetings and conferences were held to serve as venue for research collaboration and dissemination.

- PCHRD co-organized the 2nd Annual Bioinformatics Conference and Convention of the Network for Integrative Multidisciplinary Bioinformatics Utilization Strategies (NIMBUS) last 21 October 2005.
- A series of preparatory meetings were held on 3 March, 6 June, and 13 September 2005 for the proposed Memorandum of Understanding (MOU) signing on the 2006 World TB Day among the Global Alliance for TB Drug Development (TB Alliance), Foundation for Innovative New Diagnostics (FIND), PhilCAT, DOH, and DOST.
- A Memorandum of Agreement (MOA) with the Department of Health, National Statistics Office (NSO) and the National Statistical Coordination Board (NSCB)





as founding members of the Philippine Health Information Network (PHIN) was signed last 9 September 2005. The partnership aims to build and strengthen the PHIN through policy formulation and development of standards in support of health data generation, exchange and utilization.

 PCHRD participated, both in the forum and exhibit, in the National Forum on Health and Environment with the theme, "Strengthening Partnerships in Health and Environment" last 29 November to 1 December 2005. The major areas identified for PCHRD involvement in the National Environment and Health Action Plan included the Environmental Health Portal on the e-Health website and links to the Philippine National Health Research System.

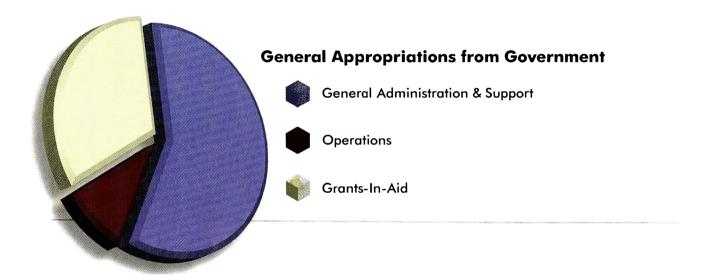


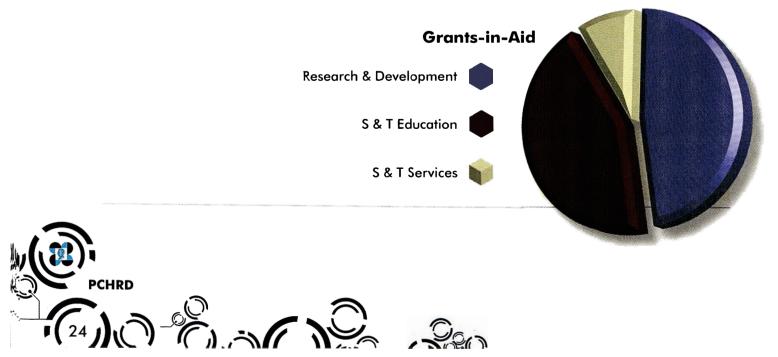
Evidence-informed Policy Network The DOST-PCHRD and DOH-HPDPB joined Evidence-informed Policy Network (EVIPNet)-Asia initiative of the World Health Organization. Representatives from seven countries met in June 2005 in Kuala Lumpur to exchange experiences and information in strengthening research to policy programs.



FUNDING

Particulars	Allotment	Expenditures	% of Utilization
General Apropriations			
General Administrations & Support	22,893,640.00	22,893,640.00	92 %
Operations	4,192,611.00	3,683,520.00	87 %
Grant-in-Aid	12,858,402.00	12,858,402.00	100 %
Research and Development	6,077,700.00	6,077,700.00	100 %
S&T Educations	5,605,666.00	5,605,666.00	100 %
S&T Services	1,175,036.00	1,175,036.00	100 %
Total Funds from National Government	41,684,453.00	39,435,568.00	9 <mark>5 %</mark>
Funds from Other Sources	8,165,530.00	6,676,833.34	82%
GRAND TOTAL	49,849,983.00	46,112,395.34	93%





OUR PEOPLE

In 2005, PCHRD had a total of 60 employees. Of this number, 40 are technical staff while 20 are administrative and support staff. In terms of educational attainment, the Council has one doctoral, one doctoral candidate, 15 masters, and 34 bachelor degree holders.



DIRECTORY OF 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

PCHRD

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

Ms. Elsa M. Bayani Executive Director National Nutrition Council

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

Dr. Marita V.T. Reyes (January-October) Chancellor University of the Philippines Manila

Dr. Ramon L. Arcadio (November-December) Chancellor University of the Philippines Manila

Dr. Ernesto O. Domingo Founding Member Asia-Pacific Association for the Study of Liver

Dr. Eddie G. Dorotan Local Government Unit Director Local Enhancement and Development for Health Management Sciences for Health

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

Technical Advisors

Dr. Jane Baltazar Ms. Maylene M. Beltran Dr. Bonifacio Dazo Dr. Adriano Laudico Atty. Ferdinand Negre Dr. Fernando Sanchez

Executive Director

Dr. Jaime C. Montoya Tel. No. 837-2942 jcm@pchrd.dost.gov.ph

Division Chiefs

Ms. Emelita N. de Castro Finance and Administrative Division Tel. No. 837-7536 enc@pchrd.dost.gov.ph

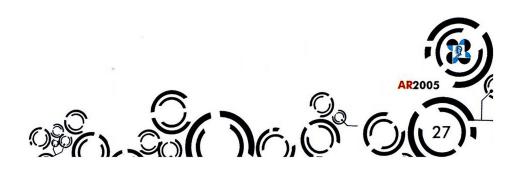
Dr. Alan B. Feranil Research Management and Development Division Tel. No. 837-7535 alan@pchrd.dost.gov.ph

Ms. Teresita O. Laguimun Officer-In-Charge Human Resources and Institution Development Division Tel. No. 837-7537 tess@pchrd.dost.gov.ph

Ms. Merlita M. Opeña Research Information, Communication, and Utilization Division Tel. No. 837-7537 mmo@pchrd.dost.gov.ph

ORGANIZATIONAL STRUCTURE







PCHRD-ASSISTED PROJECTS

Completed

Iodine Meter and Test Kit for Iodized Salt Research Center for the Natural Sciences University of Santo Tomas

Pesticide Exposure and Health Assessment among Vegetable Industry in Benguet University of the Philippines Manila

Ongoing

Pharmacologic/ Toxicologic Studies of Philippine Medicinal Plants Department of Pharmacology University of the Philippines Manila

Mutagenicity, Clastogenicity, Antimutagenicity Potential of Drug Preparations from Philippine Medicinal Plants Department of Chemistry University of the Philippines Diliman

Establishment of Quality Control Bioassay Standard Procedures for Medicinal Plant Products Department of Pharmacology

University of the Philippines Manila

Dosage Forms from Medicinal Plant Constituents

College of Pharmacy University of the Philippines Manila Clinical Screening and Validation Studies of Medicinal Plants Used in Traditional Folk Medicine in the Philippines Department of Pharmacology University of the Philippines Manila

Development of Appropriate Cultural Management Practices to Improve Yield and Quality of Selected Medicinal Plants Department of Horticulture University of the Philippines Los Baños

Genetic Characterization of the SARS-Causing Coronavirus from Probable SARS Patients in the Philippines Research Institute for Tropical Medicine

New

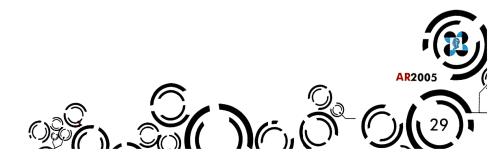
In vitro Susceptibility Test of Tuberculosis Isolates to Virgin Coconut Oil (VCNO) Department of Clinical Epidemiology Unit University of the Philippines Manila

A Randomized Controlled Trial on the Use of VCNO for the Prevention of Neonatal Sepsis among Pre-term Neonates at the UP-PGH Medical Center University of the Philippines Manila

Obesity in High School Students in Selected Private and Public Schools in Metro Manila Food and Nutrition Research Institute

Measuring the Glycemic Index of Foods: Interlaboratory Study # 2

Department of Food Science and Nutrition University of the Philippines Diliman





PCHRD-MONITORED PROJECTS

Completed

Technology Generation and Transfer of Margarine – Fortified with Vitamin A, Iodine, Omega 3 and 6 Fatty Acids Food and Nutrition Research Institute Department of Science and Technology

Establishment of School/Community-Based Supplementary Feeding Program: Metro Manila

Food and Nutrition Research Institute Department of Science and Technology

Sixth National Nutrition Surveys: Food Consumption Survey 2003 Food and Nutrition Research Institute Department of Science and Technology

Ongoing

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 Anticancer Drugs and other Agents for Immunoliposomes-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 Immunoliposomes-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 Phentermine in Blood, Hair and Urine in Rats Administered with Phentermine University of San Carlos

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

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

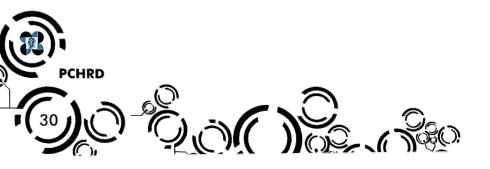
Evaluation of Genetic-Polymorphisms as Biomarkers of

Cancer Risks among Filipinos Institute of Human Genetics University of the Philippines Manila

New

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

Food and Nutrition Research Institute Department of Science and Technology







SCHOLARS (Degree and Sending Institution)

Graduated

Masters Degree

Dr. Natividad Aguilar MS Epidemiology Manila Central University, FDTMF

Dr. Vincent Balanag MS Clinical Epidemiology Lung Center of the Philippines

Dr. Fred Guillergan MS Biochemistry West Visayas State University

Ms. Danaida Marcelo MSPH Biostatistics College of Medicine, De La Salle University

Mr. Elde Mel Paladar MS Biochemistry Adventist University

Dr. Theresa Sarmiento-Pinlac MS Biochemistry UP College of Medicine

Dr. Victor Ernesto Yusuico MS Clinical Epidemiology UP Philippine General Hospital

Ongoing

Doctoral Degree

Ms. Josephine Agapito PhD Health Promotion and Education UP Manila Ms. Benedicta Alava PhD Chemistry University of Santo Tomas

Ms. Rebecca Azcueta DrPH Epidemiology University of Northern Luzon

Ms. Amy Calumpang PhD Pharmacy University of San Carlos

Ms. Marilyn Crisostomo PhD Statistics UP College of Public Health

Ms. Ma. Luisa Daroy PhD Molecular Biology and Biotechnology St. Luke's Medical Center

Ms. Clarissa Yvonne Domingo DrPh Med Microbiology Central Luzon State University

Ms. Erlinda Domingo PhD Health Promotion and Education Center for Health Development - Region 3

Dr. Edgardo Gonzaga DrPh Med Microbiology West Visayas Sanitarium

Ms. Susan Juangco DrPh Health Promotion and Education Center for Health Development – Metro Manila

Ms. Razel Kawano DrPh Med Microbiology San Lazaro Hospital





Dr. Paulo Maria Pagkatipunan DrPh Health Promotion and Education UP Philippine General Hospital

Ms. Ligaya Picazo DrPh Med Microbiology Research Institute for Tropical Medicine

Dr. Buenalyn Teresita Ramos PhD Health Promotion and Education UP College of Public Health

Masters Degree

Dr. Isaac David Ampil MS Clinical Epidemiology University of the East – Ramon Magsaysay Memorial Medical Center

Dr. Arthur Benignos II MSPH Med Microbiology Davao Medical State Foundation

Dr. Ma. Concepcion Cruz MS Clinical Epidemiology UP Philippine General Hospital

Dr. Alice Sun-Cua MS Clinical Epidemiology UP Philippine General Hospital

Dr. Miguel Antonio Javier MS Epidemiology UP Philippine General Hospital

Dr. Jericho Thaddeus Luna MS Clinical Epidemiology UP Philippine General Hospital Ms. Melisa Mondoy MS Microbiology Research Institute for Tropical Medicine

Ms. Lerma Paris MSPH Parasitology University of San Agustin

Ms. Ma. Grace Rosales MS Biostatistics Manila Central University, FDTMF

Ms. Evelyn Suasin MS Microbiology Siliman University

Ms. Lorena Wambangco MS Nutrition National Nutrition Council

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

New

Doctoral Degree

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 UP College of Public Health

PCHRD







Masters Degree

Dr. Alvin Concha MA Applied Social Research Davao Regional Hospital

Mr. Arvin Cesar Lagda MS Biology Center for Health Development – Metro Manila

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

THESIS/DISSERTATION GRANTEES

Completed

Dissertation

Ms. Loinda Baldrias University of the Philippines Los Baños Degree: DrPh Microparasitology – UP Los Baños Title of Dissertation: "Detection of Antibiotic Residues and Molecular Characterization of Antibiotic Resistance in Campylobacter jejuni (Veron and Chatelain) Recovered from Dressed Chicken"

Thesis

Rosemarie Balatbat Pamantasan ng Lungsod ng Maynila Degree: MSPH Parasitology – UP Manila Title of Thesis: "Microsatellites and Restriction Fragments of the Polymorphic SREHP Gene as Potential Markers for Entamoeba histolytica Asymptomatic and Symptomatic Infections in Patients from Five Government Hospitals in Manila, Philippines"

Karen Evangelista University of the Philippines – College of Arts and Sciences Degree: MS Biochemistry – UP Manila Title of Thesis: "Detection of Hepatitis B Virus (HBV) Infection among Healthy Adults Undergoing Pre-Employment Screening: A Comparison between Three HBV Markers (HbsAg; HBV DNA; and Anti-HBc)"

Bernadette Pineda Cebu Institute of Medicine Degree: MS Health Social Science – De La Salle University Title of Thesis: "Factors Affecting Cebuano Women's Choice of an OB-Gynecologist"

Celeste Tria University of the Philippines – Institute of Chemistry Degree: MS Chemistry – UP Diliman Title of Thesis: "Synthesis of Diester Phthalates with Potential Antidiarrheal Activity"





Ongoing

Dissertation

Christine Hernandez University of the Philippines – Institute of Chemistry Degree: PhD Chemistry – UP Diliman Title of Dissertation: "Isolation and Structural Elucidation of Potential Anticancer Agents from Philippine Terrestrial Plants"

Mary Ann Ladia

University of the Philippines Baguio Degree: PhD Medical Anthropology – University of Michigan Title of Dissertation: "Globalization of Health Knowledge in the Philippines: Tuberculosis and Infectious Other"

Jose Mallari Manila Central University Degree: PhD Biological Sciences – University of Santo Tomas Title of Dissertation: "Production of Biodegradable Polybetahydroxybutarate from Sugarcane Molasses and Sulphite Waste Liquors by Batch and Fed-batch Fermentation"

Elizabeth Olarte Don Mariano Marcos Memorial State University - La Union Degree: PhD Chemistry – UP-Diliman Title of Dissertation: "In vitro antitumor and in vivo anti-teratogenic activities of the anthraquinones from Cassia alata L. leaves" Bella Panlillo Angeles University Foundation Degree: PhD Chemistry – University of Santo Tomas Title of Dissertation: "Isolation and Structural Elucidation of the Antitubercular Constituents from Momordica Charantia Linn"

Eileen Vitug

Pamantasan ng Lungsod ng Maynila Degree: PhD Biological Sciences – University of Santo Tomas Title of Dissertation: "Sensitivity of the Microalgae Chlorococcum humicola and Scenedesmus quadricauda and the Macrophytes Spirodela polyrhiza, Lemma paucicostata and Pistia stratiotes to Atrazine, Butachlor and Glyphosate"

Thesis

Mary Jane Felipe University of the Philippines – Institute of Chemistry Degree: MS Chemistry – UP Diliman Title of Thesis: "Synthesis of and Antibacterial Evaluation of A novel Vancomycin Derivative"

Alma Gines Research Institute for Tropical Medicine Degree: MS Microbiology – University of Santo Tomas Title of Thesis: "Polymerase Chain Reaction for the Detection of Mycobacterium tuberculosis in Extrapulmonary Cases"

PCHRD OF I







Nelia Lopez University of Santo Tomas – Research Center for the Natural Sciences Degree: MS Pharmacy – University of Santo Tomas **Title of Thesis: "Antimicrobial Potential of Muricatin IMD 11-13 from Ipomoea muricata (L) Jacq. (Convulvolaceae)**"

Marilyn Rimando University of Santo Tomas Degree: MS Biological Sciences – University of Santo Tomas Title of Thesis: "Cytogenetics and Molecular Detection of Chromosomal Aberrations and FusionGenes in Acute Lymphoblastic Leukemia (ALL) among Filipinos"

Ma. Celeste Soriano St. Luke's Medical Center – Research and Biotechnology Division Degree: MS Biology – De La Salle University Title of Thesis: "Comparative Analysis of Membrane Protein Content of α & β Thalasemic Red Blood Cell (RBC) Using Immunofluorescence Assay and Sodium-Dodecyl-Sulfate Polyacrelamide Gel Electrophoresis (SDS-PAGE)"

Ruel Taclibon

Research Institute for Tropical Medicine Degree: MS Microbiology – University of Santo Tomas

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

New

Thesis

Ms. Rosanna de Guzman UP Philippine General Hospital Degree: MSPH Epidemiology – UP Manila Title of Thesis: "Screening for Depression and Anxiety among In-Patients of the UP-PGH: A Validation Study of a Self-Report Questionnaire"

Dissertation

Ms. Gladys Punzalan UP Institute of Biology Degree: PhD Biology – UP Diliman Title of Dissertation: "Cancer Chemopreventive and Chemotherapeutic Activities of Flavanoid Containing Fractions Anona Squamosa Linn Leaf Extracts"

RESEARCH FELLOWSHIP GRANTEES

Ongoing

Ms. Constancia Carillo Sending Institution: University of the Philippines – College of Arts and Sciences Host Institution/Scientist: UP – National Institutes of Health

Dr. Imelda Dakis Sending Institution: University of Santo Tomas Host Institution/Scientist: University of Santo Tomas





REGIONAL PROJECTS

Completed

- Practices, Knowledge and Attitudes of Hospital Health Care Workers on TB Prevention and Control (Angeles University Foundation)
- Comparative Study on the Use of Open Dressing vs. Povidone-Iodine Dressing in the Prevention of Superficial Site Infection on Clean and Clean Contaminated Operative Wounds (West Visayas State University)
- Obesity and Hypertension among Adolescent Students in Iloilo City (West Visayas State University)
- Correlation between Pre-enrolment Background Variables and Medical School Performance (West Visayas State University)
- 5. A Comparative Study on the Treatment Outcomes of Patients with Active Pulmonary Tuberculosis Treated with DOTS and Self-administered Therapy (SAT) at the Community Health Care Center, CDO (June 1999-December 2001) (Xavier University)
- A Cross-sectional Study on the Magnitude of Preventable Risk Factors in the Development of Malnutrition in the Elderly Population of Cagayan de Oro City, 2003 (Xavier University)
- 7. Quality of Nursing Care at the Medical and Surgical Wards of the Northern Mindanao Medical Center, CDO, 2004 (Xavier University)
- Establishing the Seasonal Pattern of Occurrence of Aedes Mosquito Dengue Vector through Larvitrap Surveillance (Center for Health Development – Region 8)
- Health Seeking Behavior and Perceived Causes of Rabies among Patients in the Animal Bite Treatment Centers in the Province of Iloilo (West Visayas State University)

PCHRD

- 10. Nosocomical Infections in Region 1 (University of Northern Philippines)
- 11. The Validity of Daytime Peripheral Blood Smear Collection in the Diagnosis of Filariasis (Eastern Visayas Regional Medical Center)
- 12.Correlates of Medical Consults among Children who Experience Dog Bites (Davao Medical Center)
- 13. The Effectiveness of Vision-Screening on the Visual Assessment Skills of Pre-school and Elementary Teachers of SWU, Cebu City-Proposed Utilization Strategies (South Western University – M.H. Aznar College of Medicine)
- 14. Evaluation of Selected Plant Oils and Extracts in the Control of Head Lice among Children (National Tobacco Administration)
- 15. Bioactivities of Selected Ethnobotanicals in Region 6 (University of the Philippines Visayas)
- 16. Single Dose Oral Toxicity Study of Euphorbia Hirta Decoction on Swiss Mice (University of Immaculate Concepcion)
- 17. An Evaluation Study of the Philippine Early Childhood Development Project (University of San Carlos)

Ongoing

- Optimum Time to Remove Foley Catheter after Epidural Morphine Sulfate Without Producing Urinary Retention Among Post Hysterectomized Patients (West Visayas State University)
- 2. Prevalence of Hydatidiform Mole in the Province of Guimaras and Iloilo (West Visayas State University)
- Hepatic and Renal Effects on Mice of Selected Nutraceuticals on White Mice (Mus Musculus) (West Visayas State University)



- A Randomized Controlled Clinical Trial on the Effectiveness of Pure Honey vs. Mupirocin in the Treatment of Nonbullous Impetigo in Children (West Visayas State University)
- 5. Hearing Loss Among Personnel of Iloilo City Airport (West Visayas State University)
- Epidemiological Study of Dengue Mosquito Larvae in West Visayas State University (West Visayas State University)
- Effect of E. Hirta Decoction on Platelet and White Blood Cell Count of Azathioprine-Immunosuppresses Rabbits (University of Immaculate Concepcion)
- 8. Lifestyle Characteristics Associated with Cardiovascular Diseases among Health and Industrial Workers in Bicol Region (AMEC-Bicol Christian College of Medicine)
- Efficacy of Commercial Sponge Filters in Improving Tap Water Potability in Dagupan City (University of Northern Philippines)
- 10.Predisposing Factors of Mental Illness Among Patients at the Acute Psychiatric Unit of Mariano Marcos Memorial Hospital (Mariano Marcos Memorial Hospital and Medical Center)
- Use of Beta-Adrenaline Blocker (Propanolol) to Facilitate the Progress of Labor (St. Louis University)
- 12. Determinants of Risk Behaviors of Vulnerable Groups to Human Immunodeficiency Virus (HIV)
- 13.OPD Management of Uncomplicated Postdate Pregnancy Using Evening Primrose Oil (St. Louis University)
- 14. Perception of Clients on the Quality of Services of Public Hospitals in a Developed Set-up in Lanao del Norte (Davao Medical School Foundation)

- 15. The acceptance and adherence of Private Physicians on Directly Observed Treatment Short Course (DOTS) Strategy (Angeles University Foundation)
- 16. The State of Health Research in Region 1 (University of Northern Philippines)
- 17. The Acceptance and Compliance of the Directly Observed Treatment Short Course Strategy (DOTS) Among Patients (Angeles University Foundation)
- Laboratory and Field Evaluation of Sea Salt as Larvicide against Dengue Mosquito (West Visayas State University)

New

- Effect of Vitamin E for the Relief of Primary Dysmenorrhea (St. Louis University)
- A Profile Study of Post-Menopausal Women in Multi-Ethnic Setting (St. Louis University)
- Competence of Baguio City RHU Personnel in Recognizing and Managing Common Mental Disorders (St. Louis University)
- Validity of Vaginal Discharge pH and the Whiff Test for the Diagnosis of Asymptomatic Bacterial Vaginosis (St. Louis University)
- 5. Knowledge and Attitudes of Cordillera Women regarding PAP Smear (St. Louis University)
- Profile of Abused Women in Iloilo City: A Case Series (West Visayas State University)
- A Comparative Study Between 2-day and 1-day Preparation for Effective Colorectal Surgeries (West Visayas State University)
- The Sensitivity Pattern of Microorganisms to Standard Antibiotic Treatment of Type III Open Fracture (West Visayas State University)





- Open Tibial Nailing: Reamed vs. Unreamed: A Prospective Randomized, Double Blind Multicenter Study (West Visayas State University)
- Effectiveness of Co-trimoxazole, Amoxicillin and Cephalexin on First-time Urinary Tract Infections Among Children in Baguio City (St. Louis University)
- Newborn Screening: Prevalence of the Risk Factors for Inborn Errors of Metabolism Among Children in Baguio City (St. Louis University)

AGENDA SETTING CONSULTATIONS

Northern Luzon

Regional Consultation Workshop – Region 2 CHD-Cagayan Valley, Tuguegarrao City 30 August 2005

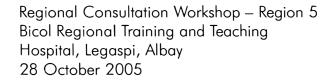
Regional Consultation Workshop – Region 1 Regional Education Learning Center, San Fernando City, La Union 14 October 2005

Regional Consultation Workshop – CAR NEDA-CAR, Baguio City 27 October 2005

Zonal Consultation Workshop – Northern Luzon Baguio Palace Hotel, Baguio City 21 November 2005

Southern Luzon

Regional Consultation Workshop – Region 4 DLSU Health Sciences Campus, Dasmarinas, Cavite 27 October 2005



Regional Consultation Workshop – Region 3 Angeles University School Foundation, Angeles, Pampanga 8 November 2005

Regional Consultation Workshop – NCR Philippine Coalition Against Tuberculosis, Quezon City 17 November 2005

Zonal Consultation Workshop – South Luzon Linden Suites, Ortigas, Pasig City 25 November 2005

Visayas

Region 7 Consultative Assembly Hotel Asia, Cebu City 9 August 2005

Region 7 Consultative Assembly Bethel House, Dumaguete City 10 August 2005

Region 7 Consultative Assembly Metro Plaza, Bohol City 11 August 2005

Regional Consultation Workshop – Region 6 Iloilo Grand Hotel, Iloilo 8 September 2005

Regional Consultation Workshop – Region 8 Hotel Alejandro, Tacloban 8 September 2005

Zonal Consultation Workshop – Visayas Cebu Institute of Medicine, Cebu City 7 November 2005





Mindanao

Regional Consultation Workshop – Region 12 and ARMM Notre Dame University, Cotabato City 29 September 2005

Regional Consultation Workshop – Region 11 Davao Medical School Foundation, Davao City 4 October 2005

Regional Consultation Workshop – Region 9 Western Mindanao State University, Zamboanga City 14 October 2005

Regional Consultation Workshop – Region 10 DOST-10, Cagayan de Oro City 14 October 2005

Regional Consultation Workshop – Caraga Region Balanghai Convention Hall, Butuan City 19 October 2005

Zonal Consultation Workshop – Mindanao Davao Medical School Foundation, Davao City 8 November 2005

TRAINING

Terminal Report on the Training Workshop on Inferential Statistics with Computer Application Coconut Grove Beach Resort, Parinago, Bauang, La Union 21-24 February 2005

Manuscript Writing and Critical Appraisal Electronics Searching for Literature Ava Grace Inland Resort, Iloilo 26-28 May 2005 Training on Data Analysis St. Louis University, Baguio City 11 June 2005

Workshop on Evidence-based Medicine (Introduction to Knowledge Management) Angeles University Foundation 24 August 2005

Training on Authorship Ethics and Scientific Technical Writing St. Louis University, Baguio City 17 September 2005

Ethics Workshop Hotel Villa Sagrado, Iloilo City 20 September 2005

Workshop on Meta Analysis Angeles University Foundation 28 September 2005

Training on Health Research Proposal Formulation Davao Medical School Foundation, Davao City 11 October 2005

Training on Evaluation Research DOH-8, Palo, Leyte 17-19 October 2005

Training on Data Collection DOH-8, Palo, Leyte 20-21 October 2005

Training on Ethics in Health Research Waterfront Hotel, Cebu City 4-5 November 2005

Training on Evaluation Research Mindanao Training Resource Center, DMSF, Davao City 23-24 November 2005



Training on Ethics DOH-8, Palo, Leyte 6-8 December 2005

Research Skills Development Seminar-Workshop for Clinical Instructors Mindanao Resource Training Center, DMSF, Davao City 9-10 December 2005

Training on Basic Research Methods Quirino Memorial Medical Center 12-16 December 2005

FORA/SYMPOSIA

Health Research Forum Ritz Tower de Leyte, Tacloban City 27 January 2005

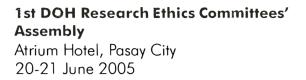
1st Roundtable Discussion on Intellectual Property Related Business Development Services (IP-BDS) Astoria Plaza, Pasig City 22 February 2005

2nd Roundtable Discussion on IP-BDS SEAMEO INNOTECH, Quezon City 16 March 2005

3rd Roundtable Discussion on IP-BDS

SEAMEO INNOTECH, Quezon City 6 April 2005

Philippine National Health Research System (PNHRS) Symposium on "Learnings on Capacity Building for Health Research: Pointers for the Future" Hyatt Hotel, Malate, Manila 17 March 2005



6th Health Research for Action National Forum on "Thinking Global, Thinking Systems in Health: Strengthening Reform Initiatives" Pan Pacific Hotel, Malate, Manila

22-23 June 2005

Scientific Symposium on "Disaster Preparedness and Mitigation: Science & Technology Prevention to Rehabilitation" Westin Philippine Plaza Hotel, Roxas Blvd., Manila 15 July 2005

2005 Ramon Magsaysay Awardees' Lecture Series on "Providing People-Focused Cancer Care" 1 September 2005 Ramon Magsaysay Center, Roxas Blvd., Manila

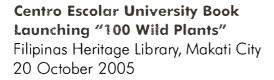
2005 Ramon Magsaysay Awardees' Lecture Series on "When Media Take a Stand for Social Change"

Ramon Magsaysay Center, Roxas Blvd., Manila 2 September 2005

2005 Ramon Magsaysay Awardees' Lecture Series on "Incubating Community-Based Social Welfare Programs and Organizations" Ramon Magsaysay Center, Roxas Blvd., Manila 2 September 2005

Roundtable Discussion on Regulatory Issues on the TB Trials PHILCAT Office, Quezon Institute, Quezon City 13 September 2005





1st National Forum on Intellectual Property and Public Health Forum Hotel Intercontinental, Makati City 20-21 October 2005

2nd National Bioinformatics Conference and Convention

Thomas Aquinas Research Complex Auditorium University of Santo Tomas, Manila 21 October 2005

3rd National Conference on Health Social Science

Angelo S. King International Center DLSU-College of Saint Benilde, Manila 21-22 October 2005

Training Course on Ethics Review of Health Research

Waterfront Hotel, Cebu City 4-5 November 2005 Science and Technology Research

Colloquium 2005

Thomas Aquinas Research Complex Auditorium University of Santo Tomas, Manila 15 November 2005

Research Forum Thomas Aquinas Research Complex Auditorium University of Santo Tomas, Manila 22 November 2005

Seminar Workshop on Intellectual Property Rights De La Salle University, Manila 22 November 2005

Knowledge Exchange Conference on Community eCenters The Legend Villas, Mandaluyong City 23 November 2005

National Seminar/Workshop on the Socioeconomic Benefits of Meteorological Services to Philippine Society PAGASA Central Office, Diliman, Quezon City 23-25 November 2005

Workshop for the Conduct of Case Studies on Innovation-Based Entrepreneurship Tiara Oriental Hotel, Makati City 24-25 November 2005

Research Forum (RHRDC-6 Completed Projects) Amigo Terrace Hotel, Iloilo City 7 December 2005

Ethics Rotating Conference: Ethics Around the World Hyatt Hotel, Pedro Gil St., Manila

10 December 2005

Symposium on Avian Flu: National Preparedness for the Avian Flu Problem

United Laboratories Inc., Mandaluyong City 12 December 2005



EXHIBITS/TECHNOLOGY FAIRS

PCHRD 23rd Anniversary Hyatt Hotel, Malate, Manila 17 March 2005

6th Health Research for Action National Forum Pan Pacific Hotel, Malate, Manila 22-23 June 2005

2005 National Science and Technology Week Philippine Trade Training Center, Roxas Blvd cor. Sen. Gil Puyat Ave., Pasay City 14-18 July 2005

Mindanao Trade Expo International 2005 Davao City 12-15 August 2005

Industry Link 2005 Philippine Trade Training Center, Roxas Blvd cor. Sen. Gil Puyat Ave., Pasay City 25-27 August 2005

CHE Exposed 2005 – Imbensyong Pinoy UPLB, College, Laguna 12-15 September 2005

IETI College of Science and Technology San Pedro, Laguna 26-30 September 2005

ECOP (EBESE Program) Philippine Trade Training Center, Roxas Blvd cor. Sen. Gil Puyat Ave., Pasay City 3 October 2005 Consumer Welfare Month 2005

Visayas Ave., Diliman, Quezon City 3-7 October 2005

2005 Asia-Pacific Traditional Medicine Expo and Forum Wuhan, Hubei, China 20-22 October 2005

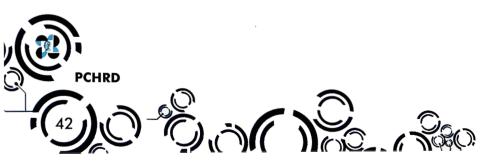
2nd National Bioinformatics Conference and Convention

Thomas Aquinas Research Complex Auditorium University of Santo Tomas, Manila 21 October 2005

3rd International and Exposition and Annual Convention of the Philippine Society of Mechanical Engineers World Trade Center, Manila 25- 27 October 2005

5th Philippine Association of Convention Exhibition Organizers and Suppliers, Inc. (PACEOS) General Membership Meeting Pan Pacific Hotel, Malate, Manila 26 October 2005

National Forum on Health and Environment Traders Hotel, Roxas Blvd., Manila 29 November – 1 December 2005



MEDIA MILEAGE

Print

Part I -- R&D Model: The Philippine Medicinal Plants Development Philippine Star 11 August 2005

Part II -- R&D Model: The Philippine Medicinal Plants Development Philippine Star 18 August 2005

RHRDC 8 readies Regional Health Research Agenda Morning Chronicle 22-28 August 2005

Health Network Strengthened Manila Bulletin 11 September 2005

New PCHRD-DOST Chief vows to Focus on Research The Manila Times 13 September 2005

Herbal Medicine Manila Bulletin (interview) 20 September 2005

PCHRD Mission-Vision Manila Bulletin (interview) 23 September 2005

Philippine National Health Research System: Advancing health research BusinessWorld 8 December 2005

Radio

PCHRD Anniversary DZEM 2 March 2005

Herbal Medicine DWDD/DZHH 21 March 2005

PCHRD Mission-Vision, Utmost Public Service DWAD 14 September 2005

PCHRD Mission-Vision DWIZ 23 September 2005

Television

Health Policy and PCHRD Mission-Vision Serbisyo Muna (Public Service Show) Channel 4 27 September 2005

PCHRD Website

Foodborne Illnesses 1 January 2005

Meningococcemia, More Lethal than SARS 21 January 2005

What is Meningococcemia? 5 May 2005





Fieldwork: "Pesticide Exposure and Health Assessment among Vegetable Farm Workers in Benguet" 24 May 2005

What you need to know about Malaria 1 June 2005

New research findings at the 6th Health Research for Action National Forum 7 June 2005

UP Manila sweeps PCHRD-Gruppo Medica Herbal Research Awards 10 June 2005

New Bioprospecting Guidelines in the Philippines 27 June 2005

Think Folate Now! 1 August 2005

Beware! It's the flu season once again! 1 September 2005 X – Linked Dystonia – Parkinsonism (Lubag) 26 September 2005

Infectious Diseases Expert is New Head of Health Council 28 September 2005

Securing Health through Bioinformatics is theme of 2nd National Bioinformatics Conference 13 October 2005

How is bird flu different from the common flu? 21 October 2005

National Seminar/Workshop on the Socioeconomic Benefits of Meteorological Services to Society 1 December 2005











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