





# annual Report 2008

## PCHRD@26

## Making Health Research Work for Filipinos



# <u>Contents</u>

- The Council .4
  - Messages .6
- DOST Celebrated 50 Years of Committed Public Service, Brought Down Science to Ground Level .8
  - PCHRD Turned 26 with a Vow to Create More Platforms for Research Translation . 10
    - Health Research Actors Converged at the 2nd PNHRS Week . ]4
      - Managing Health Research for Better Health Outcomes . 10
        - Ensuring Ethics in Research .23
        - Enhancing Capacity in Health Research . 24
    - The Regions at the Helm of the Country s Health Research System .28
      - Utilizing Research for Health Gains .31
      - Mobilizing Resources for Health Knowledge and Innovations .39
        - Financial Overview .40
        - Wealth of Human Resource .42
          - Organizational Structure .43
            - PCHRD Prime Movers . 44
              - Annexes .47

# 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 (DOST). 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 research and development (R&D).

# **Corporate Vision**

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

#### **Mission**

- Provide leadership in health research
- Advocate and support a health research culture
- Mobilize and complement health research resources to generate knowledge, technologies and innovations, and ensure their utilization
- Practise 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 knowledge, technologies, and innovations.



# Message from the **Secretary**

No value lies in any research unless it is shared to the people in a way that it is accessible to them and in a format that they easily understood. I believe that this has been the philosophy that has propelled PCHRD into 26 years of commitment to generate knowledge and technologies useful for the Filipino people.

On its 26<sup>th</sup> year, I present with pride the results of hard work that PCHRD reaped in 2008. Now more than ever, the Council has focused on strengthening the interconnections among researchers, policymakers, government agencies, international organizations and the public, making sure that the research results, discoveries and inventions are widely disseminated to and utilized by the public and intended users.

This is the very reason why I am glad to note that PCHRD followed suit with DOST's theme for the celebration of its 50<sup>th</sup> anniversary, which is to bring science to the ground level. This just goes to show that PCHRD's priorities and mandates are perfectly aligned with its mother institution.

Together, as one agency, I am assured that with the Council, we will further make health research work for the Filipinos.

ESTRELLA F. ALABASTRO, PhD



# Message from the **Executive Director**

How does an organization create and sustain creative platforms for research translation? This was the burning question at the heart of the Council when we turned 26.

That one question was enough to fuel the Council into engaging in activities, programs, projects and partnerships that, in the end, will make the public aware of useful health information and contribute to the country's economic development.

In 2008, under the Philippine National Health Research System (PNHRS), the National Unified Health Research Agenda (NUHRA) was updated in order to reflect timely and relevant health research priorities. Two awards, the "Best Mentor in Health Research" and the "PNHRS Consortium Awards" were launched to strengthen a critical pool of health researchers in all 16 regions of the country as well as to encourage collaboration and inter-linkages. Various fora on research translation were also organized, tapping no less than an international expert as resource person. Efforts on ensuring that health research has a secure and stable fund source have also never ceased.

We want health research to leave the realm of the laboratory, to leave the kingdom of scientists as we are perceived to be in, and move them to the countryside so that they will best benefit the people for which we work for.

As we now enter into our 27<sup>th</sup> year, we are confident that we will remain true in our commitment of making lives better for the Filipinos.

Jaime C. Montoya JAIME C. MONTOYA, MD, MSC

## DOST Celebrated 50 Years of Committed Public Service, Brought Down Science to Ground Level

When the Department of Science and Technology (DOST) turned 50 in 2008, the Department wasted no time in spearheading series of activities that showcased science and technology (S&T) achievements throughout the years, under the theme, "Making Science Work for You." This year-long celebration aimed to bring down science on the ground level and to promote public awareness in S&T and its important role in national economic development.

DOST officials, staff, partners and friends all gathered in a momentous cultural night, dubbed as "Gabi ng Ginintuang SinAg" held on June 9 at the University of the Philippines Theatre in Diliman, Quezon City. This was followed by an awarding ceremony of science achievers on June 10 in Malacañang. To better promote awareness and interest in science and technology among the Filipino youth, DOST also came up with a cheerful mascot named "Tron" who danced happily to the new DOST jingle titled "Lift Your Head High".

Fun and festivities were also held as the science community joined together in game shows and sports fest on June 13, and participated in the Independence Day parade of floats on June 14 in Rizal Park, Manila. Best agency floats were awarded in the DOST headquarters the following day in Bicutan, Taguig City.

The Philippine Council for Health Research and Development (PCHRD) played a significant role in this golden celebration as its Executive Director Jaime Montoya acted as chair of the committee in-charge of the yearlong activities for DOST's 50<sup>th</sup> anniversary celebration.



DOST Logo

#### LIFT YOUR HEAD HIGH

#### VERSE 1:

The greatest minds are waiting to be heard, We are here to make sure that they learn, We can change the world today, all the power's inside. Imagine the knowledge we can find, Seek and discover in the greatest minds, The answers to bring progress in our lives.

#### LEAD IN:

These are the days, we all live in the time, Let's reach down inside, keep our passion alive Technology is our strength, science is life.

#### CHORUS:

Lift your head high, D-O-S-T- brings progress now! Reach for the skies now, D-O-S-T-Science is your power now (Technology is your power now)

#### VERSE 2:

For our country we all must live, The power inside we all must give, Science and Technology, let the light shine, for you, for you...

LEAD IN: These are the days, we all live in the time, Let's reach down inside, keep our passion alive Technology is our strength, science is life.

#### CHORUS:

Lift your head high, D-O-S-T- brings progress now! Reach for the skies now, D-O-S-T-Science is your power now (Technology is your power now)

### THE DEPARTMENT OF SCIENCE AND TECHNOLOGY

DOST has a mandate to provide central direction, leadership, and coordination of all S&T activities in the country and support for national development priorities.

The Department traces its roots to the National Science Development Board established in 1958 mainly based on the report of Dr. Frank Co Tui, who was tasked by Pres. Ramon Magsaysay to survey the state of science and technology in the Philippines. The report was completed during the Garcia administration.

In 1982, the NSDB was reorganized into the National Science and Technology Authority and accorded broader policy-making and program implementing functions.

The NSTA was elevated to Cabinet level in 1986, following the EDSA People Power Revolution, and became the Department of Science and Technology in response to increasing demands for S&T-based intervention in national development.

DOST now has 16 regional offices and 87 provincial S&T Centers that provide S&T services to people and industries in the regions.

## PCHRD Turned 26 with a Vow to Create More Platforms for Research Translation

How to make health research widely accessible and easily understandable to the public, policy-makers, health professionals, and industry was the central theme of the Council's 26th anniversary celebration, as it moved in sync with the DOST's golden anniversary theme of bringing down science to the ground level.

Bearing the theme, "Research Translation, Platforms for Making Health Research Work for Filipinos," the celebration on 17 March 2008 at the Pan Pacific Hotel, Manila gathered local and international participants from the health research community, academe, government agencies, civil society groups, and international organizations to share experiences and insights on how to effectively make health research work for the people.

Highlighting the important role of research communication, Mr. Michael Devlin of the Council on Health Research for Development (COHRED), one of the panelists during the event, underlined the need for the inclusion of management and planning of communication activities in the research process. Ms. Monica Feria of the Philippine Daily Inquirer (PDI) emphasized the role of media in effectively communicating health research results to the public. For Ms. Nellibeth Mercado of the Infanta Integrated Community Development Assistance, Inc. (IICDAI) and Dr. Dina Nadera of the Technical Panel on Health Journal Publishing, no research result is useful unless it is relevant and significant to the local communities. While Mayor Maria Lourdes Fernando of Marikina City underscored the importance of research in bringing efficient health care delivery to the beneficiaries.

#### PCHRD Turns 26

In response, among the research translation platforms that were agreed upon by the participants included translating research into the local dialect, suited to the local context; utilizing the mass media; organizing informal discussions on particular health topics; using posters, flyers, flipcharts and other simple yet effective way of attracting attention on a specific health advocacy; coming up with policy briefs that will be useful for policymakers in understanding certain health issue.

The event was also marked by the signing of license agreements on the commercialization of health

technology with Qx Pharmaceuticals, Inc. and Pharmacare Products Company. A Memorandum of Agreement on the Telehealth Program was also signed with the University of the Philippines, in which PCHRD signed on behalf of the DOST.

Over the years, the Council has advocated for a strong health research culture, research translation and has mobilized its resources to generate knowledge, technologies and innovations useful in the Philippine health care.

Philippine Council for Health Research and Development www.pchrd.dost.gov.ph



PCHRD

#### ANNUAL REPORT 200







# PCHRD Turns 26



"Research Translation, Platforms for Making





Health Research Work for Filipinos"













# Health Research Actors Converged at the 2nd PNHRS Week

This year's celebration of the Philippine National Health Research System (PNHRS) Week gathered more than 300 stakeholders at the Pan Pacific Hotel in Manila on 13-14 August 2008 to partake in the three capacity building workshops on (1) writing research articles for scientific journals, (2) writing policy briefs, and (3) resource generation for health research.

During the second day's panel discussion, representatives from the Regional Health Research and Development Consortium (RHRDC) presented their activities which fostered convergence, collaboration, networking and community building.

The event also played host to the networking bazaar for the Regional Health Research Systems, which served as an open space for the stakeholders from each region to exchange information and form collaborative undertakings. Each consortium presented the profile of its research community, including existing capacity and facilities, current research activities, and new initiatives. A platform for convergence, collaboration, and research translation, the PNHRS Week is held yearly on the second week of August following the Proclamation No. 1309 signed by President Gloria Macapagal-Arroyo.

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

PNHRS works toward the fulfilment of its commitment through the work of its six committees, namely: (1) Research Management, (2) Ethics, (3) Capacity Building, (4) Structure, Organization, Monitoring and Evaluation, (5) Research Utilization, and (6) Resource Mobilization.

PNHRS Website: http://www.healthresearch.ph



#### **PNHRS: Where Do We Want to Go**

To make PNHRS more relevant and responsive to the needs of the public, a PNHRS strategic planning session was conducted in October with Asian Institute of Management's (AIM) Dr. Patricia Lontoc as facilitator. Each PNHRS committee presented their achievements for 2006-2008 as well as their plans for 2009-2011. From these, the group came up with the most important strategies to move PNHRS to its desired state.

According to Dr. Jaime Galvez-Tan, chair of the PNHRS Steering Committee, the issues on commitment, the communities, the committees, the NUHRA, and information dissemination at various levels of stakeholders need to be addressed by PNHRS. The end in sight should always be to lessen disparities and inequity by providing access to effective and affordable healthcare to the people. Engagement of stakeholders and putting in place seamless administrative mechanisms were considered crucial.



#### **PNHRS, Model for Other Countries**

While the PNHRS is strengthening its homebase, it is also widening its partnerships with other countries.

In 2008, PNHRS welcomed a visit from Dr. Asmaliza Ismail of the National Institutes of Health in Malaysia. The visit served as a venue for Dr. Ismail to learn more about the System (PNHRS), its strategies, plans, actors and stakeholders as well as how PNHRS can be duplicated in Malaysia

# Managing Health Research for Better Health Outcomes

PNHRS Philippine National Health Research System UPDATED NATIONAL UNIFIED HEALTH RESEARCH AGENDA 2008 - 2010

In order to come up with more responsive health research priority areas, in 2008, the Research Management Committee led the updating of the National Unified Health Research Agenda (NUHRA) to account for recent developments, new directions and thrusts of concerned agencies as well as to refocus research priorities to better respond to existing health problems, emerging gaps, and new challenges.

The updating was anchored on the United Nations' Millennium Development Goals, updated Medium Term Philippine Development Plan, Fourmula One for Health Framework, and the National Science and Technology Plan.

Consultative meetings with stakeholders from the public and private sectors were held in May 7, June 6 and June 27, 2008 in Metro Manila. Concerned agencies mapped out the status of the research priority areas for 2006-2007, projects implemented, priorities addressed and priorities to be included for 2008-2010. The updated NUHRA was then presented through consultative meetings with the concerned agencies and other stakeholders from the government, private sector and non-government organizations for validation and identification of other priority topics of national importance.

The NUHRA 2008-2010, an updated version of the NUHRA 2006-2010 which was launched in 2006, focused on unaddressed research topics that require urgent attention, with new ones added in view of current and emerging concerns.

In line with the NUHRA, the Council supported a total of 24 projects, three of which were completed in 2008. PCHRD assistance focused on projects under health technology development.

#### Updated National Unified Health Research Agenda 2008-2010 Major Research Areas

- 1. Health Financing
- 2. Governance
- 3. Health Regulations
- 4. Health Service Delivery
- 5. Health Technology Development
- 6. Health Research Ethics
- 7. Health Information Systems



photo by: Efren C. Jamolod J**r.** 

18



#### Distribution of R&D projects by type and status, 2008

| Project Status | Project Type |           | Tatal |
|----------------|--------------|-----------|-------|
|                | Assited      | Monitored | Total |
| Completed      | 1            | 2         | 3     |
| Ongoing        | 7            | 9         | 16    |
| New            | 2            | 3         | 5     |
| Total          | 10           | 14        | 24    |

Among the studies completed in 2008 were the following:

#### Supplementary Feeding Among School-Aged Children

The fight against malnutrition has been a constant issue faced by health professionals and parents alike. This particular PCHRD-monitored study aimed to determine the improvement in nutritional status of school-aged children after giving them nutrient-rich food products.

In order to respond to the research questions posed above, a total of 231 children from the supplemented group and 209 children from the control group were assessed for hemoglobin, plasma ferritin, and plasma retinol level at baseline and endline. Blood samples were collected from the participants in the morning by finger prick method.

Children in the supplemented group were fed daily with either fortified bihon, squash bakery products or chocolate crinkles, and fortified juice for 100 days. The classroom teachers distributed the snacks to the participants seeing to it that the children will finish the food served to them. The food supplements provided 17% of the total energy requirement of 1,500 kilo calories, 44.9% vitamin A, 96% vitamin C, and 48.5% iron. The food contained 3.8 grams of protein and 2.5 grams of fats.

At the end of the study, mean weight and height of the anemic and underweight school children have increased. Mean weight of children in the supplemented group had significantly increased at the endline by 0.9kg, from a basal value of 16.6kg, while the children in the control group increased by 0.65kg from 17.6kg. The endline mean height of the children in supplemented group increased by 2cm from 108.1 cm at the start, and the children in control group increased by 1.8cm from 112.7cm.

In response to malnutrition, the study proved that the supplementary foods like the squash bakery products and iron fortified juice drinks were effective in improving the physical growth, iron and vitamin A status of the children. The supplementary foods also improved the health condition of the children by making them less susceptible to illness.

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

On the other side of the spectrum on the problem on malnutrition lies the challenge that obesity poses. In response, PCHRD engaged in a project that aimed to find out the prevalence of overweight/obese high school students in selected private and public high schools in San Juan, Mandaluyong, and Pasig areas as well as to determine the factors associated with being overweight/obese and determine the correlation of anthropometric measurements with body mass index (BMI).

Findings of the study revealed that overall prevalence rate was 15.4%, which is a fourfold increase from the prevalence of 3.5% (among 11-19 years old children) obtained in the 2003 national nutrition survey. Prevalence of overweight/obese high school children was significantly higher among male students (19.96%) than the female students (10.85%). Further, those overweight/obese were found to be more prevalent among students from private schools (23.07%) compared to those from public schools (7.75%).

The following factors were found to be associated with being overweight/obese: playing computer games, riding a private vehicle going to and from the school, non-performance of household chores, and poor eating habits. Obese students significantly spent more time playing with the computer than non-obese students. Doing household chores and walking to school lessened the risk of being obese. Poor eating habits specifically not eating breakfast, not eating three full meals, and not eating at least one snack, on a daily basis were directly associated with obesity.

In addition, all anthropometric measurements taken including neck circumference, mid-arm circumference, waist circumference, hip circumference, triceps and scapula thickness, and waist to hip ratio correlated positively with BMI. Logistic regression analysis showed that the neck, mid-arm, waist and hip circumferences were the best predictors of risk for obesity.

The study therefore recommended the continuous assessment of prevalence of overweight and obese in all age groups in the country; the undertaking of further studies on the use of anthropometric measurements as possible screening tool for obesity; and the conduct of nutrition education particularly on the quality and quantity of food and regularity of food intake among adolescents.

#### **Evaluation of Genetic Polymorphisms as Biomarkers of Cancer Risk among Filipinos**

This pilot molecular epidemiology study in the Filipino population looked at the putative association of environmental factors and specific genetic polymorphisms with cancer risk. Epidemiologic risk factors for lung cancer included current smoking, former smoking and family history of lung cancer; for breast cancer, age at 1st pregnancy, family history of breast cancer, and intake of scalding hot food; none for colorectal cancer; and for oral cavity cancer, current smoking, passive smoking, chewing tobacco, and inverted smoking.

Epidemiologic factors found to be protective against cancer included *patis* consumption and inverted smoking for breast cancer, and patis and *bagoong* consumption for oral cavity cancer. Among the genetic polymorphisms studied, the GSTT1 null genotype, the NAT2\*6B allele, and the GSTP1 c.313A>G homozygote genotype appear to have strong potential as biomarkers for breast, colorectal, and oral cavity cancers respectively. When analysis was adjusted for both epidemiologic and genetic variables, the epidemiologic factors still found to be significantly associated with cancer risk included family history for breast cancer, UV radiation for colorectal cancer, and bagoong consumption (~1/day – 5/week) for oral cavity cancer.

Among the genetic factors studied, only the GSTP1 c.313A>G homozygote genotype was found to strongly confer risk for cancer even after adjustment for other significant genetic and environmental variables had been made. This indicates that GSTP1 may be a significant predictor of oral cavity cancer susceptibility among Filipinos. For lung cancer, no association with any of the genes or polymorphisms was found. It must be noted, however, that family history was shown to be a significant factor for cancer risk in both univariate and multivariate analysis. This finding suggests the involvement of a significant genetic component in lung cancer incidence. The lack of significant allele/ genotype-lung cancer risk associations found in this study might also be attributed to the largely polygenic nature of lung cancer etiology—encompassing multiple pathways, and involving many genes individually exerting very small effects. In this case, perhaps a much larger sample size having a greater statistical power is needed when conducting genetic epidemiological studies. It is also possible that the genes associated with lung cancer risk were not covered in the study of selected metabolizing enzyme gene polymorphisms.







Health Research and Development Information Network Network Of Networks

www.herdin.ph

## Ensuring Ethics in Research

A quality health research is not only a technically good research. Equally, a research undertaking must ensure that the highest ethical standards in research have been applied in the entire course of the study. In implementing this advocacy, PCHRD works closely with the Philippine Health Research Ethics Board (PHREB), through its three sub-committees on (1) Ethics Standard Setting: Accreditation, Monitoring and Evaluation; (2) Information Dissemination, Training and Advocacy; and (3) Networking.

A series of seminar-workshops on Ethics and Health Research were conducted in three key cities in the country including Iloilo City on March 28-29, Zamboanga City on November 13-14 and Quezon City on December 2. One hundred fifty seven (157) participants from various research institutions, ethics review committees, and academe benefited from the training, which were conducted in coordination with Unilab Medical Education and Development (UMED).

In March 2008, PHREB's database of research and ethics organizations was completed, containing information on 210 Ethics Review Committees. As a next strategy, PHREB will draw out areas of collaboration with the identified key institutions.

PHREB also made its presence felt in the international scene as it actively participated in the Forum for Ethics Review in Asia and the Pacific (FERCAP). The latter has accredited the Ethics Review Boards (ERBs) of the University of the Philippines-National Institutes of Health (UP-NIH) and the Research Institute for Tropical Medicine (RITM).

# Enhancing the Capacity in Health Research

The Council continued to invest in health research human resource development.

In 2008, one scholar completed her doctoral degree, while 27 doctoral students continued their programs. In regard the masters program, one scholar was able to complete her master's degree while 114 master's students continued their academic pursuits.

The consolidated DOST Accelerated Human Resource Development Program (ASTHRDP), started in 2007, gives higher incentives to scholars in terms of free tuition and other school fees, monthly stipend, transportation allowance, book allowance, group health and accident insurance and thesis/dissertation allowance. 146 scholars were supported through this program. The three new grantees were pursuing their master's degree programs.

| Program Status | Doctoral | Master s | Total |
|----------------|----------|----------|-------|
| Completed      | 1        | 1        | 2     |
| Ongoing        | 27       | 114      | 141   |
| New            | 0        | 3        | 3     |
| Total          | 28       | 118      | 146   |

#### Distribution of scholars by type and status of program, 2008

Under the thesis and dissertation assistance program, 20 grantees continued to work on their thesis/dissertation projects. At the end of 2008, one doctoral and two master's students completed their dissertation and thesis, respectively.

#### Distribution of dissertation/thesis grantees by type and status of program, 2008

| Program Status | Doctoral | Master s | Total |
|----------------|----------|----------|-------|
| Completed      | 1        | 2        | 3     |
| Ongoing        | 7        | 10       | 17    |
| New            | 0        | 0        | 0     |
| Total          | 8        | 12       | 20    |

#### **Twinning as a Capacity Building Strategy**

Eight years after the Twinning Project was initiated, the Council tapped an external group to evaluate the Twinning Project, its merits and weaknesses.

PCHRD's Twinning Project was put in place in 2000 with a vision that Metro Manila and Cebu-based centers of excellence (Senior Twins) will be able to develop the capacity of medical colleges and other training institutions (Junior Twins) in the regions to implement and manage health research and development activities as well as to provide needed support in the area of R&D.



| Center of Excellence-Senior Twin                          | Satellite Institution-Junior Twin  |
|---|--|
| Cebu Institute of Medicine (CIM)                          | West Visayas State University – College of Medicine<br>(WVSU-CM; Region 6) |
| Far Eastern University – Nicanor Reyes Medical Foundation | St. Louis University – College of Medicine                                 |
| (FEU-NRMF)  | (SLU-CM; CAR)  |
| University of the East – Ramon Magsaysay Memorial         | Xavier University – Dr. Jose Rizal College of Medicine                     |
| Medical Center (UE-RMMMC)                                 | (XU-JRCM; Region 10)   |
| University of the Philippines Manila – College of Public  | Ago Medical and Educational Center – Bicol Christian                       |
| Health (UP Manila-CPH)                                    | College of Medicine (AMEC-BCCM; Region 5)                                  |
| University of Santo Tomas – Faculty of Medicine and Sur-  | Angeles University Foundation – College of Medicine                        |
| gery (UST-FMS)  | (AUF-CM; Region 3)   |

#### List of Senior and Junior Twins in the PCHRD Twinning Project

The results of the assessment showed gains attributed to twinning. Core research teams and a critical mass of health researchers were trained among the faculty of the Junior Twins. Furthermore, the satellite institutions' capacity and mindset on health research were enhanced. Individuals who were trained also claimed that their

skills in preparing research proposals, conducting research, as well as writing and presenting reports significantly improved.

Given these learnings, PCHRD will look for opportunities to use twinning as a capacity building strategy.

#### **Best Health Research Mentor Award Launched**

A trainer, adviser, advocate, or a participant/initiator in health research and development implementation, promotion and utilization is what the PNHRS is looking for as recipient of its "Best Mentor in Health Research Award."

Last March 2008, the PNHRS Committee on Capacity Building launched this bi-annual search which aims to recognize and reward vital contributions of mentors in health research in the development of research capabilities among human resources in health which will in turn, result to significant advances in the PNHRS' thrusts identified in the National Unified Health Research Agenda.

Four regional winners from Luzon, Visayas, Mindanao, and National Capital Region will receive PhP100,000.00 and a plaque of recognition, and one national winner will receive a cash prize of PhP200,000.00 and a trophy. Winners will be awarded during the PNHRS Week celebration in August 2009.

## trainer **adviser** participant



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

## advocate initiator



# THE REGIONS AT THE HELM OF THE COUNTRY'S HEALTH RESEARCH SYSTEM

The year 2008 marked the first time for 16 regional health research systems to come face-to-face in a Regional Networking Bazaar hosted during the PNHRS Week. The event served as a platform for research consortia to exchange insights and share good practices.

#### Regional Health Research Systems and Conveners

| National Economic and Development Authority                       | Region I  |
|---|-----------|
| Center for Health Development                                     | Region 2  |
| Center for Health Development                                     | Region 3  |
| De La Salle University  | Region 4  |
| Center for Health Development                                     | Region 5  |
| West Visayas State University                                     | Region 6  |
| Cebu Doctors University   | Region 7  |
| Center for Health Development                                     | Region 8  |
| Center for Health Development                                     | Region 9  |
| Xavier University   | Region 10 |
| Regional Council for Research and<br>Development Foundation, Inc. | Region 11 |
| Department of Science and Technology                              | Region 12 |
| Department of Science and Technology                              | ARMM      |
| Center for Health Development                                     | CAR       |
| Center for Health Development                                     | CARAGA    |
| University of the Phillippines<br>- National Institutes of Health | NCR       |

# Regional **Health Research Systems**



Six regional health research systems were organized in 2008: Region 10 in February, Cordillera Administrative Region (CAR) in March, Region 3 and CARAGA in May, Region 4 in November and Metro Manila in December. Their first activities were planning workshops to identify their core competencies and R&D priority areas.

To enhance the capacity of health researchers in the regions, "Training on Basic Research Methods" were conducted in Regions 2, 5, 6, 7, 9, 11, CAR and Metro Manila. These training were attended by a total of 252 participants; 11 proposals were generated.

In September, Region 6 held two research advocacy activities in Bacolod City and Iloilo City to further refine their inputs on the NUHRA. Regions 7 and 8 held Health Research Forums to disseminate their research results.

## PNHRS Consortium Awards Unveiled

The Committee on Structure/Organization, Monitoring and Evaluation launched the PNHRS Consortium Awards last 14 August 2008.

The Award aims to encourage and sustain the development of regional research communities to influence and impact on the health status of the regions.

Several categories of the PNHRS Consortium Awards are envisioned such as the "Best in Research Priority-Setting and Implementation," "Best in Research Translation," "Best in Capacity Building Strategies," and the "Best Consortium Award."

The first set of recipients of this biennial award will be given during the PNHRS Week in 2011.

#### ANNUAL REPORT 2008

1

8

# Utilizing Research for Health Gains

Working closely with the PNHRS Committee on Research Utilization, the Council enhanced research knowledge management systems and strengthened its communication and advocacy strategies to connect research to health policy and action.

#### Paving the Way for Informed Policymaking

One measure that health research is indeed utilized is when a policy was crafted based on research results.

On 2-6 December 2008, at the Cebu Institute for Medicine, PCHRD, through a joint program with DOH on Evidence-Informed Policy Network (EVIPNet), helped facilitate a Systematic Review Training Course with the assistance of Dr. Joselito Acuin, chair of the PNHRS Committee on Research Utilization.

The training, supported by the Alliance for the Health Policy and Systems Research (AHPSR) and the World Health Organization's Western Pacific Regional Office (WHO-WPRO), aimed to support health systems strengthening and development by building the capacity of health researchers to come up with quality evidences useful for decision- and policy-making, using systematic review as a tool. The training intended to develop the skills of health researchers in preparing proposals for systematic reviews on health policy interventions, targeting the most pressing and relevant policy questions. It is hoped that with the timely production of systematic reviews of health policies and interventions, policymakers will be more engaged in shaping the health policy landscape.

EVIPNet promotes the systematic use of health research evidence in policymaking. EVIPNet promotes partnerships at the country level between policymakers, researchers and civil society in order to facilitate both policy development and policy implementation through the use of the best scientific evidence available and application of sound research methodologies such as systematic reviews. EVIPNet Asia, which includes seven teams from five countries, was launched in June 2005 in Kuala Lumpur, Malaysia.

#### **Systematic Review**

A systematic review is a study that uses a predefined, explicit methodology for systematically identifying relevant studies, selecting them for inclusion, assessing their qualities and combining their data. Studies are sought regardless of their results.

#### **Facilitating Research Translation**

To facilitate the translation of health research to policies, actions, products and services, the PCHRD, through the PNHRS Committee on Research Utilization, organized a series of fora on research translation with Mr. Michael Devlin, Council on Health Research for Development (COHRED)'s Head of Knowledge Sharing and Advocacy, as resource person.

The series of fora kicked off in March 17, with "Research for Policymaking" as its theme. This forum highlighted the importance of policymakers' appreciation of and commitment in health research results and evidences.

In March 18, the forum on "Laymanizing Research" focused on the promotion of local health researches. The media as the primary participants of the forum, emphasized the importance of open communication between the researchers and the media to facilitate accurate and timely reporting of health information.

In the forum on health journal publishing titled "Journals as a Resource: Strategies to Improve Communicating Research to Researchers," held in March 19, the discussion centered on major issues faced by journals and capacity building for researchers. Among the major issues raised were inadequate capacity for peer review and evaluation, lack of resources and funding for publication and management, and small number of manuscripts submitted to journals.

Lastly, the forum on "Civil Society as Channels of Research Information for Communities," also held in March 19, tackled the distribution of information to the people in communities as the main benefactors of health research. The participants agreed that the communities play an essential role in the conduct of quality research that is feasible and easily understood.

Civil society as channels of research information for Communities

#### Enabling More Institutions to Use HERDIN NeON

HERDIN NeON is a system which enables health research institutions to participate in building, and in sharing information resources for better health research knowledge management.

To enable institutions to participate, PCHRD trained in April participants from Western Mindanao State University, Ateneo de Zamboanga, Zamboanga City Medical Center, and Center for Health and Development Region 9. This was followed by another training in Metro Manila in September, attended by the Food and Nutrition Research Institute, Industrial Technology Development Institute, Science and Technology Information Institute, and the University of the Philippines.

At present, HERDIN NeON holds a total of 52,350 records with 3,398 records added in 2008.

HERDIN's contribution to academic librarianship and library development was recognized by the Philippine Association of Academic Research Librarians (PAARL) when it bagged the "2007 Outstanding Library Program Award."

Sharing with ASEAN and Western Pacific Region partners, Ms. Normah Chik of the Institute of Medical Research (IMR) Malaysia visited PCHRD to know more about the HERDIN database indexing system and how IMR can set up a similar system in Malaysia.

RDIN

herdinneor

Home

Researches | Experts | Institutions

Welcome to HERDIN NeON Database

A specialized network of documentation and inform engaged in health research and development ac Herdin hosts electronic collection or database

of published and unpublished health researche cooperation with other member-institution

10 77

#### **Enhancing Regional Information Sharing through Western** Pacific Region Index Medicus

With HERDIN as its base, PCHRD continued to be active in the development of the Western Pacific Region Index Medicus (WPRIM), an online index of medical and health journals published in its member states. An initiative of the World Health Organization (WHO) Western Pacific Regional Office (WPRO), WPRIM will be made available along with the medical literature indexes of other WHO regions under the Global Health Library (GHL) platform.

By the end of 2008, 13 Philippine health journals uploaded their combined 8,000 articles to WPRIM.

Last March 3-7, an orientation on the GHL system was conducted at the WHO-WPRO in Manila. The orientation familiarized the participants on the different modules of the GHL. Participants included four WPRO library staff and two information technology staff, two staff from the DOH, three staff from PCHRD, and one staff from the Korea Centers for Disease Control and Prevention.

In August 26-29, WPRO conducted another GHL/ WPRIM database system orientation participated in by representatives from China, Malaysia, and the Philippines. The event enabled participants to discuss and share the respective data contribution mechanism of each participating country as well as to present the system of their data conversion and uploading in the GHL/WPRIM database.

The Philippines took part in the first meeting of the Asia Pacific Association of Medical Journal Editors (APAME) held in Seoul, Korea from 4-5 May 2008. Attended by medical journal editors and members of the National Journal Selection Committees from countries involved in WPRIM, the meeting provided a venue to discuss how to improve the status and quality of journal publishing in the Asia Pacific region.

The Council also participated in the Joint Asia Pacific Association of Medical Editors and Western Pacific Index Medicus Meeting in Beijing, China on 18-21 November 2008 which, among other things, discussed how to speed up inputs to WPRIM as well as to generate more resources to make WPRIM sustainable.

GHL Network

ribbear

me

rranean

Glob:

ienti

# Technology Commercialization, S&T Connection to the Country's Economic Growth

A strong university-industry-government partnership cannot be overemphasized. Universities and research and development institutions are knowledge creators and promoters of spin-off technology-based enterprises.

PCHRD's efforts in technology commercialization resulted to five licensing agreements signed in 2008. The license agreements covered transfer of production technology for Sambong tablet, Yerba Buena tablet, Lagundi pediatric syrup, and Lagundi tablet to five adopters.



#### Technology Transfer Bill: Profiting from Inventions

PCHRD advocated for the enactment of a national policy framework on technology transfer. Titled, "An Act Promoting the Transfer of Technologies and Knowledge from Research and Development (R&D) Funded by Government" or the Technology Transfer Act of 2008, this bill is sponsored by Rep. Joseph Emilio A. Abaya (1st District, Cavite) and Sen. Edgardo J. Angara.

Salient provisions of the Bill include the entitlement of research institutions to the rights to the technology over government funding agencies; obligations and sharing of benefits of parties involved in technology generation and transfer; incentives to researchers and R&D institutions involved in technology generation; and funding mechanism and institutional mechanisms for technology transfer.

| Particulars   | Licensee/Enterpriset   | Date Signed   |
|---|--|---------------|
| Transfer of production technology for Sambong tablet          | Herbs and Nature Care Corporation                                  | December 2008 |
| Transfer of production technology for Yerba Buena tablet      | Philippine Institute of Traditional and<br>Alternative Health Care | October 2008  |
| Transfer of production technology for Lagundi pediatric syrup | Philippine Institute of Traditional and<br>Alternative Health Care | June 2008     |
| Transfer of production technology for Lagundi tablet          | Pharmacare Products Co.  | May 2008      |
| Transfer of production technology for Lagundi pediatric syrup | Pharmacare Products Co.  | February 2008 |

#### Licensing Agreements Entered into by PCHRD

#### **Showcasing Health Technologies to the Public**

Making the public aware of the current developments in health knowledge and innovations has always been a priority of the Council.

In 2008, PCHRD participated in various technology fairs, held conferences, and tapped the media for wider dissemination of health research results.

On July 7-11, the Council participated in the 8th ASEAN Science and Technology Week (ASTW) celebration as the country played host to this event, held in time with the DOST 50<sup>th</sup> Anniversary Celebration. ASTW aims to promote S&T development in the ASEAN region by creating greater awareness of S&T, developing an S&T culture, as well as providing a medium for participation and collaboration in regional S&T programs. Part of this celebration's major activities included scientific and technical conferences on varied array of topics such as functional food, open source technology, human resource development, intellectual property rights, technology transfer mechanisms, and strategies adopted by ASEAN member-countries to develop S&T capability.

In addition, the Council also participated in the National Science and Technology Week (NSTW) in Manila on July 7-11 as well as in technology fairs held in Northern Luzon on October 5-11, Visayas on October 21-27 and Southern Luzon on November 10-15.

For its participation in the technology fairs, the Council showcased some of the outstanding achievements in the field of health and medicine that are making lives better for Filipinos everyday. In 2008, PCHRD displayed innovations in case management and diagnostics, nutrition, pharmaceutical R&D, biomedical devices, information systems, among others.

PCHRD also maximized its good relations with the media to further disseminate relevant health knowledge and innovations. For 2008, 21 articles came out in national and local newspapers, 20 interviews were aired in radio, and 15 features were shown in television. In addition, PCHRD also uploaded 43 articles in its website throughout the year to gain more media visibility.

...good relations with the media to further disseminate relevant health knowledge and innovations.


#### DINE TEST KIT PPORTS ASIN LAW

PCHRO Manugh the Upon

11 Defections (Problemberg Remoted) memory deatherwises, Species (as age dedect) (off) it through a working damage code communication).

er fand fan Die oant proving wer, frankling weret provinsienen witte Arthof the mersenant in contact it waar, its wegenenist te Arthof Law

andit, gantine Try vice National Sciencess Analy of Senter Transit (BCNS 1157)



SCRILENING NEWBORNS FOR HYPOTHYROIDISM

-

Sector and the sector of products in the sector of the sector of products in the sector of the sector

AC

PCHRD

# Mobilizing Resources for Health Knowledge and Innovations

Health researchers need a stable fund source to enable them to undertake good research and produce research results on a sustained basis. To achieve the former, the Council mobilized resources from international organizations, private sector, other government organizations and local partners to support health research. In 2008, funds generated from external sources amounted to PhP19,064,455.

To complement this effort, the PNHRS Committee on Resource Mobilization stepped up its efforts in lobbying for the establishment of the PNHRS fund and the increase in health research budget.

## PNHRS Bill

The PNHRS Bill (House Bill No. 3271 and Senate Bill No. 2592) mandates selected government agencies to allocate a percentage of their gross annual income to health R&D activities. When the bill turns into law, PNHRS will be assured of a stable fund source to support health researchers in generating ethical and relevant health knowledge and innovations. Titled, "An Act Institutionalizing the Philippine National Health Research System," hearings on the bill started through the technical working group meetings at the House of Representatives under the joint Committees on Science and Technology and Health, chaired by Congressman Joseph Emilio Abaya (1st District, Cavite). Similar meeting was convened by Senator Pia Cayetano at the Senate. Technical working group meetings had started at the House of Representatives under the joint Committees on Science and Technology and Health, chaired by Congressman Joseph Emilio Abaya (1st District, Cavite). Similar meeting was convened by Senator Pia Cayetano at the Senate. Technical working group

## **Financial Overview**

| PARTICULARS                    | ALLOTMENT (PhP) | EXPENDITURE (PhP) | UTILIZATION (%) |
|--------------------------------|-----------------|-------------------|-----------------|
| Total Funds from Government    | 66,573,425      | 64,831,459        | 97%             |
| General Administration         | 16,455,097      | 16,455,097        | 100%            |
| Operations                     | 15,380,431      | 13,704,243        | 89%             |
| Grants-In-Aid                  |                 |                   |                 |
| R&D (36%)                      | 12,358,253      | 12,358,253        | 100%            |
| S&T Education (25%)            | 8,529,507       | 8,529,507         | 100%            |
| S&T Services (34%)             | 11,780,577      | 11,714,799        | 99%             |
| PNHRS (6%)                     | 2,069,560       | 2,069,560         | w100%           |
| Total Funds from Other Sources | 19,064,455      | 9,121,876         | 48%             |
| GRAND TOTAL                    | 85,637,880      | 73,953,335        | 86%             |

PCHRD was allotted with over PhP85 million budget in 2008, of which 78% came from the government while the remaining 22% came from other sources. Out of this budget, nearly PhP74 million (86%) was used for general administration, operations and grants-in-aid.

For the grants-in-aid, which amounted to over PhP34 million, PhP12.3 million (36%) was allotted for research and development, PhP11.7 million (34%) for science and technology services, PhP8.5 million (25%) for science and technology education, and PhP2 million for the Philippine National Health Research System.



## **Wealth of Human Resource**

The Council takes pride in its pool of able human resource. All its 47 staff are firmly committed in fulfilling the mandate of the Council, and the Philippine National Health Research System, in general.

PCHRD's staff complement in 2008 comprised of a medical doctor, one doctoral degree holder, 14 master's degree holders, and 24 staff with bachelor's degrees. To further enrich skills and expertise, 14 underwent training related to their line of work.

Guided by the Council's core values of passion for excellence, dynamic involvement, responsiveness and commitment to public service, among others, surely there are no challenges that the Council cannot overcome.



## **Organizational Chart**



## **PCHRD Prime Movers**

## **PCHRD Governing Council**

#### Chair

**Dr. Estrella F. Alabastro** Secretary Department of Science and Technology

#### Co-Chair

**Dr. Francisco T. Duque III** Secretary Department of Health

#### **Members**

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

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

**Dr. Catherine Q. Castaneda** Director IV, Office of Programs and Standards Commission on Higher Education **Ms. Maria Bernardita T. Flores** Executive Director National Nutrition Council

**Dr. Enrico B. Gruet** Dean, College of Medicine Cebu Doctors University

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

**Dr. Grace J. Rebollos** Executive Secretary Zamboanga Coalition of Development NGOs

**Dr. Mediadora C. Saniel** Head, Medical Services The Medical City

## **PCHRD Officials**

**Executive Director** 

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

#### **Division Heads**

Finance and Administrative Division

Mr. Raul D. Dumol (Jan-Jun) Officer-in-Charge raul@pchrd.dost.gov.ph

Mr. Edgar F. Ortiz (Jul-Dec) Officer-in-Charge ed@pchrd.dost.gov.ph

Research Information, Communication, and Utilization Division

Ms. Merlita M. Opeña Chief mmo@pchrd.dost.gov.ph

#### Research Management and Development Division

Ms. Ma. Elizabeth R. Cajigas (Apr-Jun; Oct-Dec) Officer-in-Charge bethr@pchrd.dost.gov.ph

**Ms. Ma. Rosella L. Taguiang** (Jan-Mar; Jul-Sep) Officer-in-Charge rose@pchrd.dost.gov.ph

Human Resources and Institution Development Division

**Ms. Anicia P. Catameo** Officer-in-Charge annie@pchrd.dost.gov.ph

## **PCHRD Staff**

#### **Office of the Executive Director**

| Reinier Cajigas    |
|--------------------|
| Fabiana Concepcion |
| Charisma Cruz      |
| Jayson Itulid      |

Aurora Marcelo Imelda Mutuc Carina Rebulanan Alexander Sea

#### Finance and Administrative Division

| Fe Cuevas           | Leo Nuyda             |
|---------------------|-----------------------|
| Arsenia Francisco   | Sylvia Ocon           |
| Diego Hernandez     | Maria Orogo           |
| Evangelina Laguimun | Gregorio Salacup, Jr. |
| Eliza Manalo        | Fe Solis              |
| Francisco Manalo    | Wilfredo Taborda      |
| Ruben Manalo        | Warlita Zenarosa      |

#### **Research Management and Development Division**

| Sweetmavourneen Agan |
|----------------------|
| Marie Jeanne Berroya |
| Ruby Castro          |
| Kathleen Pearl Co    |

Cecile Dumol Guidditta Gelera Mary Ann Pacho

#### Human Resources and Institution Development Division

Angelina Aquino Marren Joy Belgado Imelda De Leon Veronica De Leon

Joana Lim Lucila Roja Wilma Santos

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

Russel Mae Asmolo Ma. Nona Avelina Julie Callope Ullyann Carticiano Louise Ian De los Reyes Ma. Violeta Intia Magdalena Manaig Victorina Miranda Ronel Molina Elisa Parsacala Rolly Rausa Vincent John Tumlos

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

#### **Research Management**

| Dr. Fe Barquin                      | Dr. Libertad Garcia   |
|-------------------------------------|-----------------------|
| Prof. Cynthia Cordero               | Ms. Rosa Gonzales     |
| Dr. Eden Divinagracia, <i>Chair</i> | Ms. Arlene Ruiz       |
| Dr. Alan Feranil                    | Ms. Ma. Loida Sevilla |

#### **Ethics**

| Ms. Maria Arlissa Aguiluz | Dr. Marita Reyes, <i>Chair</i> |
|---------------------------|--------------------------------|
| Mr. Abdulrahim Bagundang  | Dr. Angeles Tan-Alora          |
| Dr. Leonardo de Castro    | Ms. Ma. Carmen Tolabing        |
| Mr. Gilbert Hoggang       | Dr. Cecilia Tomas              |
| Fr. Romeo Intengan, SJ    | Ms. Elizabeth Ventura          |
| Dr. Jaime Montoya         | Ms. Crispinita Valdez          |
| Atty. Albert Rebosa       |                                |

#### **Capacity Building**

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

#### Structure, Organization, Monitoring and Evaluation

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

#### **Research Utilization**

| Dr. Jose Acuin, <i>Chair</i> | Dr. Francis Gomez   |
|------------------------------|---------------------|
| Mr. Raul Angeles             | Mr. Mike Gomez      |
| Dr. Jose Avila               | Dr. Magdalena Meana |
| Dr. Gerardo Bayugo           | Ms. Angelina Sebial |
| Ms. Remedios Birondo         | Mr. Jimmy Sevalla   |
| Ms. Marcia Feria-Miranda     |                     |

#### **Resource Mobilization**

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



- List of R&D Projects .50
- Scholars and Research Grantees .56
- Regional Training, Seminars, and Workshops .68
- Health Research Dissemination Activities Conducted/Participated In .70
- International Conferences, Meetings, Training and Fora Participated in by PCHRD .73
  - Media Mileage .74
    - Publications .80

## List of R&D Projects

## **PCHRD-Assisted Projects**

#### Completed

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

First Integrated Residency Training Pediatric Program

#### Ongoing

**Clinical Screening and Validation Studies of Medicinal Plant Products** University of the Philippines Manila

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

University of the Philippines Los Ba os

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

University of the Philippines Manila

Establishment of Quality Control Bioassay Procedures for Medicinal Plant Products University of the Philippines Manila

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

University of the Philippines Diliman

**Pharmacologic and Toxicologic Studies of Philippine Medicinal Plants** University of the Philippines Manila

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

Research Institute for Tropical Medicine

#### New

**Bioassay for Infectious Diseases** University of the Philippines Manila

#### The Incidence of Tuberculosis among Health Workers with Latent Tuberculosis Infection in Tertiary Hospital Settings

University of the Philippines Manila

## **PCHRD-Monitored Projects**

#### Completed

## The Evaluation of Genetic Polymorphism on Biomarkers of Cancer Risk among Filipinos

University of the Philippines Manila

Supplementary Feeding among School-Aged Children Utilizing FNRI Developed Food Products: Its Effects on Nutritional Status

Food and Nutrition Research Institute

#### Ongoing

Acute Toxicity and Phytochemical Requirements for VCO University of the Philippines Manila

.51

## Design and Implementation of a Remote, Real-time GSM-based Biomedical Diagnostic Facility in Selected Underserved Communities in the Philippines (LIFELINK)

University of the Philippines Manila

## Development of an Integrated Geographic Information System for Pesticide Exposure and Health Risk among Farmers in the Vegetable Industry in Benguet, CAR

University of the Philippines Manila

**Development of Recombinant Vaccines against Influenza** University of the Philippines Diliman

Emergency Telehealth Services for Poisons and Trauma Control: Emergency Care and Coordination Services (ECCS)

University of the Philippines Manila

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

Special Toxicity Studies on VCO (dermal irritation and sensitization tests) University of the Philippines Manila

## SubAcute Sclerosing Panencephalitis (SSPE): Development of New Therapeutic Strategies Using Antiviral Drug Rivabirin

University of the Philippines Manila

Sub-chronic Toxicity Study on VCO University of the Philippines Manila

#### New

## Food Phytochemicals of Smallanthus sonchifolius (Yacon) Important to Human Health: Isolation, Identification, Characterization, Quantification and Bioassay of Health Related Properties

University of the Philippines Los Ba os

Morphological, Anatomical and Histochemical Studies on Smallanthus sonchifolius (Poepp. and Endl.) H. Robinson (Yacon)

Institute of Biological Sciences

7th National Nutrition Survey: Philippines, 2008 Biochemical and Clinical Components Food and Nutrition Research Institute

## **Regional Projects**

#### Completed

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

#### Ongoing

An Association between Nutritional Status and Academic Performance of Elementary School Children in the Development of Eastern Samar Eastern Samar State University, Tacloban City

**Characterization of Bioactive Compounds of "Polypog"** Eastern Samar State University, Tacloban City

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

Center for Health Development Region 8, Palo, Leyte

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

West Visayas State University, Iloilo City

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

Davao Doctors Hospital, Davao City

Microbial and Viral Determination Level of Catbalogan, Samar Groundwater Supplies: Their Relationship to Waterborne Diseases Eastern Samar State University, Tacloban City

The Public-Private Mixed Directly Observed Treatment, Short-Course Chemotherapy Strategy of the National Tuberculosis Control Program in Region 2

Cagayan Colleges Tuguegarao, Tuguegarao City

#### New

The Anti-Inflammatory, Analgesic and Antipyretic Properties of Mahogany Leaves Extract

Virgen Milagrosa University Foundation, San Carlos City, Cagayan

The Anti-Rabies Campaign in Cagayan and Isabela: An Assessment University of La Salette, Santiago City, Isabela

The Effect of Euphorbia Hirta Oral Decoction on the Mean Platelet Counts and Megakaryocyte Counts of Carlpatin-induced Thrombocytopenic and Non-induced Mice for the period June 2008-November 2008 West Visayas State University, Iloilo City Factors Associated with the Level of Knowledge, Attitude and Behavior on CVD among Young Adults

Mariano Marcos State University, Batac, Ilocos Norte

Impact of Health Workers Migration to Department of Health Retained Hospitals in Region 1: A Pilot Study Mariano Marcos Hospital and Medical Center, Batac City, Ilocos Norte

Knowledge and Attitude towards Reproductive Health and Health Seeking Behavior among Adolescents in all High Schools in Iloilo City Central Philippine University, Iloilo City

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

University of Northern Philippines, Vigan City

**Mapping of Traditional Medicinal Plants in Pugo, La Union** Don Mariano Marcos Memorial State University (DMMMSU), La Union

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

Davao Medical Center, Davao City

Reassessment of the Quality of Care of Diabetic Extremity Patients after the Implementation of the Revised Extremity Case Team Protocol of PGH University of the Philippines ñ Philippine General Hospital, Manila

**Women with Breast Cancer: Their Economic and Human Experiences** UP School of Health Sciences, Palo, Leyte

# Scholars and Research Grantees

## PCHRD Scholarship Program

## **Doctoral Degree**

#### Completed

**Ms. Benedicta Alava** PhD Chemistry University of Santo Tomas

#### Ongoing

**Mr. Julius Cesar Alcala** DrPH Epidemiology University of the Philippines Manila

**Dr. Melissa Amosco** PhD Molecular Biology and Biotechnology University of the Philippines Diliman

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

**Ms. Ana Maria Bacudio** DrPH Medical Microbiology University of the Philippines Manila **Ms. Pelin Belino** PhD Human Nutrition University of the Philippines Los Ba os

Mr. Reynaldo Bundalian DrPH Medical Microbiology University of the Philippines Manila

**Ms. Amy Calumpang** PhD Pharmacy University of San Carlos

**Ms. Elvira Corcolon** PhD Botany University of the Philippines Los Ba os

Ms. Merlyn Cruz PhD Molecular Biology and Biotechnology Angeles University Foundation

Mr. Rogelio Cruz PhD Biological Sciences University of Santo Tomas

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

**Ms. Clarissa Yvonne Domingo** DrPH Medical Microbiology Central Luzon State University

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

Mr. Romeo Gundran DrPH Epidemiology Central Luzon State University

**Ms. Susana Juangco** DrPh Health Promotion and Education Department of Health

**Ms. Razel Kawano** DrPH Medical Microbiology San Lazaro Hospital

**Ms. Lara Maguad** PhD Philosophy major in Clinical Psychology University of Santo Tomas

**Dr. Daria Manalo** DrPH Medical Parasitology Research Institute for Tropical Medicine

Mr. Victorio Molina PhD Environmental Science University of the Philippines Manila **Ms. Marie Christine Obusan** PhD Environmental Science University of the Philippines Diliman

**Ms. Myra Oruga** DrPH Health Education and Promotion University of the Philippines Manila

**Dr. Paulo Maria Pagkatipunan** DrPH Health Promotion and Education Philippine General Hospital

**Ms. Ligaya Picazo** DrPH Medical Microbiology Research Institute for Tropical Medicine

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

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

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

**Mr. Ray Yparraguirre** PhD Environmental Science University of the Philippines Los Ba os

## **Masteral Degree**

#### Completed

**Ms. Agnes De Asis** MS Microbiology University of Santo Tomas

#### Ongoing

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

Ms. Laura Ma. Soledad Aguinaldo MS Pharmacology University of the Philippines Manila

Mr. Jhoe Anthony Alfon MS Molecular Medicine St. Luke s College of Medicine

Mr. Billy Joel Almarinez MS Biology De La Salle University

**Ms. Erika Marie Alvero** MS Biology University of the Philippines Diliman

**Ms. Imelda Caole Ang** MS Clinical Epidemiology University of the Philippines Manila

Mr. Amier Ashan Aplal MS Environmental Science University of the Philippines Los Ba os Mr. Gabbie Ares MS Chemistry Mindanao State University-Iligan Institute of Technology

**Ms. Angela Vichelle Arguinoso** MS Applied Physics (Medical) University of Santo Tomas

Ms. Glenda Azana MS Applied Nutrition University of the Philippines Los Ba os

**Mr. Roderick Balce** MS Microbiology University of Santo Tomas

Mr. Felix Bautista, Jr. MS Environmental Science University of the Philippines Los Ba os

Ms. Monique Barile MS Pharmacology University of the Philippines Manila

**Ms. Roselle Mae Batongmalaki** MS Biology University of San Carlos

Ms. Eva Bautista MS Clinical Epidemiology University of the Philippines Manila

Scholarhsip Grantees

**Ms. Recylyn Bayna** MS Applied Nutrition University of the Philippines Los Ba os

Mr. Jesus Arnel Belenzo MS Asian Health Practices University of the East Ramon Magsaysay Memorial Medical Center

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

Mr. Reuel Bennett MS Biological Science University of Santo Tomas

**Ms. Ver Luanni Bilano** MSPH Biostatistics University of the Philippines Manila

Mr. Linoernbar Blanco MS Asian Health Practices University of the East Ramon Magsaysay Memorial Medical Center

**Mr. Jonah Bondoc** MS Environmental Science University of the Philippines Dil iman

**Mr. Isagani Botabara** MS Biological Sciences University of Santo Tomas **Ms. Christine Joy Caballero** MS Pharmacy University of Santo Tomas

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

**Ms. Raquel Cabazor** MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

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

**Ms. Hartzell Calibjo** MSPH Epidemiology University of the Philippines Manila

**Ms. Archelle Jane Callejo** MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

**Ms. Ma. Kristine Joy Calvario** MSPH Epidemiology University of the Philippines Manila

Ms. Cristine Casingal MS Molecular Medicine St. Luke s College of Medicine **Mr. Juan Jhonny Cauilan** MS Pharmacy University of Santo Tomas

Mr. Adlai Jerome Cipriano MS Asian Health Practices University of the East Ramon Magsaysay Memorial Medical Center

Mr. Mac Gerald Cueto MS Asian Health Practices University of the East Ramon Magsaysay Memorial Medical Center

**Mr. Mardonie Cruz** MS Environmental Science University of the Philippines Diliman

**Dr. Misael Cruz** MS Clinical Epidemiology Angeles University Foundation

**Mr. Nikki Heherson Dagamac** MS Biological Science University of Santo Tomas

**Ms. Marites Dagohoy** MS Pharmacy University of Santo Tomas

**Ms. April Joy David** MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center **Dr. Xenia David** MS Pharmacology University of the Philippines Manila

Mr. Nino Dal Dayanghirang MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

Mr. Ferdinand Dayro MS Asian Health Practices University of the East Ramon Magsaysay Memorial Medical Center

**Mr. Christopher De Jesus** MS Pharmacology University of the Philippines Manila

**Ms. Ane De la Cruz** MS Pharmacy University of Immaculate Concepcion Davao

**Dr. Rochee De Leon** MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

Mr. Rodolfo Del Rosario MS Chemistry Mindanao State University-Iligan Institute of Technology

**Ms. Zohra Jane Esperal** MSPH Epidemiology University of the Philippines Manila

#### Scholars and Research Grantees

**Ms. Lindsay Sydney Fajardo** MS Molecular Medicine St. Luke s College of Medicine

**Mr. Raymund Fantonalgo** MS Biology University of the Philippines Visayas

**Ms. Eisha Vienna Fernandez** MS Biological Science University of Santo Tomas

**Ms. Mary Luz Fiangaan** MS Pharmacy St. Louis University

Mr. Jeffrey Galino MS Applied Physics (Medical) University of Santo Tomas

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

**Ms. Patricia Isabel Gayya** MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

**Ms. Rosemarie Givero** MS Pharmacy University of Santo Tomas

Mr. Andrei Odin Go MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center **Ms. Amabel Guarte** MS Pharmacology University of the Philippines Manila

**Ms. Crystal Jmee Hernandez** MS Pharmacy Centro Escolar University

**Ms. Analyn Idio** MS Environmental Science University of the Philippines Los Ba os

**Ms. Ma. Verna Intal** MS Nutrition University of the Philippines Diliman

**Ms. Clarissa Juanico** MS Applied Nutrition University of the Philippines Los Ba os

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

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

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

**Mr. Ivan Lawag** MS Chemistry University of Santo Tomas

ANNUAL REPORT 2008

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

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

**Dr. Jericho Thaddeus Luna** MS Clinical Epidemiology Philippine General Hospital

**Mr. Mark Anthony Luz** MS Pharmacology University of the Philippines Manila

**Ms. Maria Kristina Maaňo** MS Applied Physics (Medical) University of Santo Tomas

**Ms. Gaiselle Mabesa** MS Chemistry University of the Philippines Diliman

**Ms. Ma. Charisma Malenab** MS Environmental Science University of the Philippines Los Ba os

**Mr. Teddy Manansala** MS Biochemistry University of the Philippines Manila

Ms. Lei Lanna Mendoza MSPH Medical Microbiology University of the Philippines Manila **Ms. Filipina Misalang** MS Pharmacy St. Louis University

**Ms. Kharleezelle Moendeg** MSPH Medical Parasitology University of the Philippines Manila

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

Mr. Romeo Ongpoy, Jr. MS Pharmacy Centro Escolar University

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

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

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

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

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

### Scholars and Research Grantees

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

**Mr. Crist John Pastor** MS Biochemistry University of the Philippines Manila

**Ms. Celia Amour Pataray** MS Applied Physics (Medical) University of Santo Tomas

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

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

**Ms. Maryrose Quezon** MS Pharmacy St. Louis University

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

**Ms. Celia Ravelo** MS Pharmacology University of the Philippines Manila

**Ms. Jesamine Rebugio** MS Environmental Science University of the Philippines Los Ba os Mr. Michael Resuello MSPH Epidemiolgy University of the East Ramon Magsaysay Memorial Medical Center

**Mr. Michael Resurreccion** MS Clinical Epidemiology University of the Philippines Manila

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

Mr. Daryl Romero MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

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

**Ms. Leilani Rubian** MS Applied Nutrition University of the Philippines Los Ba os

Mr. Stephen Sabinay MS Molecular Biology and Biotechnology University of the Philippines Los Ba os

**Ms. Daile Meek Salvador** MS Biology University of the Philippines Diliman **Ms. Fria Rose Santos** MSPH Epidemiology University of the East Ramon Magsaysay Memorial Medical Center

**Ms. Reynita Silang** MS Pharmacy St. Louis University

**Ms. Evelyn Suasin** MS Microbiology Siliman University

**Ms. Cyndi Mae Tai** MS Epidemiology University of the Philippines Manila

**Ms. Joan Pauline Talubo** MS Environmental Science University of the Philippines Los Ba os

**Ms. Diane Tamayo** MS Clinical Epidemiology University of the Philippines Manila

**Dr. Irving Tan** MS Molecular Medicine St. Luke s College of Medicine

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

Ms. Lourdes Bernadette Tanchanco MS Clinical Epidemiology

MS Clinical Epidemiology University of the Philippines Manila Mr. Narciso Tapia MSPH Medical Microbiology University of the Philippines Manila

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

**Ms. Valerie Gilbert Ulep** MS Epidemiology University of the Philippines Manila

**Ms. Lourdes Consolacion Usman** MS Pharmacy University of the Philippines Manila

**Ms. Kristine Jeanne Yap** MSPH Medical Microbiology University of the Philippines Manila

#### New

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

**Ms. Rosario Garcia** MS Asian Health Practices University of the East Ramon Magsaysay Memorial Medical Center

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

## **Dissertation Grantees**

## Completed

#### 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

### Ongoing

#### Ms. Ruby Jamias Apilado

PhD Food Science University of the Philippines Diliman Response Surface Model for Bacillus Cereus Germination in Iron Fortified Rice during Hold-On and Re-Heating

### Ms. Erna Custodio Arollado

PhD Philosophy in Pharmacy University of Santo Tomas Preclinical, Preformulation and Clinical Assessment of Alternanthera sessilis (L.) R. Br. (AMARANTHACEAE) for Hemoglobin Augmentation in Iron Deficiency Anemia (IDA)

#### **Ms. Christine Hernandez**

PhD Chemistry 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 the Philippines Baguio Globalization of Health Knowledge in the Philippines: Tuberculosis and Infectious Other

#### Mr. Jose Mallari

PhD Biological Science Manila Central University Production of Biodegradable Polybetahydroxybutarate from Sugarcane Molasses and Sulphite Waste Liquors by Batch and Fed-batch Fermentation

#### Ms. Magdalena Natividad

PhD Molecular Biology 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

#### Ms. Eileen Vitug

PhD Biological Science 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

## Thesis

#### Completed

#### Ms. Aretha Ann Liwag

MS Clinical Epidemiology Western Visayas State University Medical Center *An 8-Week Randomized Controlled Trial on the Effectiveness of Vegetable Based Protein Diet (VBPD) and the Standard Diabetic Diet (SDD) on Blood Sugar Levels of Adult Type 2 Diabetics* 

#### Mr. Allen Peňaflorida

MS Medical Technology Notre Dame University, Cotabato Allergenicity and Cross-reactivity of House Dust Mite (HDM) and Cockroach (Cr) Allergens among Filipino Allergic Patients

#### Ongoing

#### Ms. Kathleen Bersabal

MS Pharmacy University of Immaculate Concepcion Davao

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

#### Dr. Rosanna De Guzman

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

#### Ms. Anna Muriel Talavera Jacinto

MS Pharmacy University of Santo Tomas *Comparative Antimicrobial Property of the Matured Trunk and Stem Bark Extract of Tamarindus indica Linn., Preformulation, Development and Quality Control of Cream* 

#### Ms. Pura Alma Labis

MS Health Social Sciences Mindanao State University ñ Iligan Institute of Technology Reproductive Experiences of Second Wives of Polygamous Marriages in Iligan City and Lanao del Norte

#### Mr. Levi Letlet Larcia II

MS Biochemistry University of the Philippines Manila A Study of the Bacterial Profile of Philippine Fermented Mustard (Burong Mustasa) through Culture-Independent Methods

#### Ms. Joanna Orejola

MS Biochemistry University of the Philippines Manila Isolation, Partial Purification, and Preliminary Study on the Cytotoxicity of Compounds from Carica papaya CV. Linn. Extracts

#### **Dr. Paul Matthew Pasco**

MS Clinical Epidemiology Philippine General Hospital Diagnostic Features of Tuberculosis Meningitis: A Cross-Sectional Study

#### Mr. Ryan Pekson

MS Pharmacology Adamson University Acute and Subacute Toxicity of Virgin Coconut Oil in Rodents

#### **Ms. Celeste Soriano**

MS Biology St. Luke s Medical Center *Comparative Analysis of Membrane Protein Content of Thalasemic Red Blood Cell using Immunofluorescence Assay and Sodium-Dodecyl-Sulfate Polyacrelamide Gel Electrophoresis (SDS-PAGE)* 

#### Mr. Ruel Taclibon

MS Microbiology Research Institute for Tropical Medicine Microscopic Observation Broth-Drug Susceptibility Assay: A Rapid Method of Drug Sensitivity Testing for Mycobacterium Species

## **Research Fellowship**

#### Completed

#### Ms. Constancia Carillo

Development of Screening Methods for the Identification of Commonly Occurring Genetic Mutations in the ras and p53 genes of Cancer-afflicted Filipino Patients Sending Institution: University of the Philippines ñ Colleges of Arts and Sciences Host Institution: University of the Philippines ñ National Institutes of Health

#### New

#### Ms. Minerva Daya

The Correlation of Histo-Pathologic Morphology to Poor Diagnosis of HER2neu Expression Among Filipino Patients Diagnosed for Ovarian Epithelial Malignancies Sending Institution: University of Santo Tomas ñ College of Pharmacy Host Institution: University of Santo Tomas

## Regional Training, Seminars, and Workshops

Refresher Course on Social and Policy Development: Research for Technical Staff of the Department of Social Welfare and Development (DSWD)

SWADCAP, Taguig City 8-12 December 2008

#### Training on Technical Writing for Medical Staff of the AFP Medical Center

AFP V. Luna Medical Center, Quezon City 27-29 November 2008

### Training on Basic Research Methodology: Towards Developing & Writing Research Proposals

CHD-CAR Conference Room, Baguio City 25-27 November 2008

#### Training on Methodologies for Health Research and Development

Luciana Convention Center, Butuan City 19-21 November 2008

## Training on Research Methodology for Consultants and Pediatric Medical Residents of the National Children's Hospital

National Children s Hospital, Quezon City 15, 22, 29 November 2008

## Training on Basic Research Methods in Region 5

AMEC-BCCM, Legaspi City 4-5 November 2008

#### Training Workshop on the Ethical Use of Laboratory Animals (Part II)

Research Institute for Tropical Medicine, Muntinlupa City 15-17 October 2008

#### Training Workshop on the Ethical Use of Laboratory Animals

Research Institute for Tropical Medicine, Muntinlupa City 17-19 September 2008

#### Seminar-Workshop on Ethics

Grand Astoria Hotel, Zamboanga City 2-4 September 2008

## **Training on Basic Research Methods** Southwestern University, Cebu City

26-29 May 2008

### Seminar Workshop on Research Methods for Allied Health Sciences Centro Escolar University, Manila 19-23 May 2008

#### Training on Basic Research Methods

United Laboratories, Mandaluyong City 19-22 May 2008

## Training on Basic Research Methods

University of Immaculate Concepcion, Davao City 5-8 May 2008

## Seminar Workshop on Research Methods for Herbal Medicine Research

Casa Angela, Tuguegarao City 22-25 April 2008

## Basic Health Research Methods Training in Region 9

Western Mindanao State University, Zamboanga City 15-18 April 2008

### **Training on Research Methods**

AFP Medical Center, Quezon City 1-4 April 2008

### **Training on Data Analysis**

CHD Region 8 Conference Room, Tacloban City 23-26 January 2008

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

#### Seminar on Anti-Aging

Traders Hotel, Manila 18 December 2008

#### **Seminar on Crisis Management**

Casa de San Pablo, San Pablo City 9-10 December 2008

## National Biotechnology Week Scientific Meetings

UP Small Scale Industry, Quezon City 25 November 2008

#### e-Governance and ICT Business Fair

Subic Bay Metropolitan Authority, Subic 24-28 November 2008

### Press Conference on Formula Iwas Paputok

Apostol Elementary School, Manila 24 November 2008

#### Southern Luzon Cluster S&T Fair Olongapo Convention Center, Olongapo City 10-15 November 2008

## 5th Asian Conference on Food and Nutrition

Safety 2008 Shangri-La Hotel, Mactan, Cebu 3-7 November 2008

## Visayas Cluster S&T Fair

Island City Mall, Tagbilaran City 21-27 October 2008

## National Workshop with Stakeholders for Ethical Research with Indigenous Peoples

University of the Philippines, Manila 7 October 2008

## Northern Luzon Cluster S&T Fair

Cagayan Collges of Tuguegarao, Tuguegarao City 5-11 October 2008

## 1st Philippine International Dengue Symposium

St. Luke s Medical Center, Quezon City 27 September 2008

Kabisig Government Expo and Exhibit Mall of Asia, Pasay City 4-7 September 2008

### National Workshop with Stakeholders for Ethical Research with Indigenous Peoples Manila 15 August 2008

PNHRS Assembly: "Converge @ PNHRS" Pan Pacific Hotel, Manila 13-14 August 2008

**PNHRS Networking Bazaar** Pan Pacific Hotel, Manila 13-14 August 2008

Press Conference on PNHRS Week Annabel s Restaurant, Quezon City 12 August 2008

Press Conference on Young Scientist Awardees Annabel s Restaurant, Quezon City 29 July 2008 30th NAST Annual Scientific Meetings Manila Hotel, Manila 9-10 July 2008

ASEAN Science and Technology Week World Trade Center, Pasay City 7-11 July 2008 Seminar on Functional Food and Nutraceuticals (Nutrition Month) Philippine Women s University, Manila 23-25 July 2008

Press Conference on the Launching of DOST 50th Golden Jubilee

Grand Hotel Manila, Manila 4 June 2008

Seminar-Workshop on Clinical Practice Guidelines University of Santo Tomas, Manila 2-3 June 2008

Forum on Technology Transfer PCARRD, Los Banos, Laguna June 2008 Annual Meta Analysis Workshop DLSU Health Sciences Institute, Dasmarinas, Cavite 12-13 May 2008

2008 REVES (Reseau Esperance de Vie en Sante) International Network on Health Expectancy and Disability Process Exhibit Richmonde Hotel, Pasig City 7-9 May 2008

Current Advances and Future Trends in Herbal Drug Research

DLSU Health Sciences Institute, Dasmarinas, Cavite 23 April 2008

## 7th Human Genome Organization (HUGO) Pacific Meeting

Shangri-La Hotel, Mactan, Cebu 2-5 April 2008

## 8th Asia Pacific Conference on Human Genetics Shangri-La Hotel, Mactan, Cebu

2-5 April 2008

## Roundtable Discussion on Journals as a Resource: Strategies to Improved Communicating Research to Researchers PHIVOLCS, Quezon City 19 March 2008

## Focus Group Discussion on Civil Society as Channels of Research Information for Communities

PHIVOLCS, Quezon City 19 March 2008

### Focus Group Discussion on "Laymanizing" Research, Communicating Health Research with the Media Annabel s Restaurant, Quezon City 18 March 2008

PCHRD 26th Anniversary: "Research Translation, Platforms for Making Health Research Work for Filipinos" Pan Pacific Hotel, Manila 17 March 2008 PCHRD 26th Anniversary Exhibit Pan Pacific Hotel, Manila 17 March 2008

## Focus Group Discussion on Research for Policymaking Pan Pacific Hotel, Manila

17 March 2008

## PCHRD - PCP Joint Press Conference on Telehealth

Annabel s Restaurant, Quezon City 11 March 2008

### Science and Technology Expo 2008 Feati University, Manila 6-7 March 2008

## UP Manila-National Institutes of Health 10th Anniversary: "Health Research towards the Achievement of the Millennium Development Goals (MDGs)"

Century Park Hotel, Manila 12 February 2008

#### 10th EURASIA Conference on Chemical Sciences

Philippine International Convention Center, Manila 7-11 January 2008

# International Conferences, Meetings, Training and Fora Participated

## **DOST-JSPS Joint Scientific Cooperation Program**

Japan 9-14 December 2008

2008 APEC e-Health **Technical Forum** Seoul. South Korea

1-3 December 2008

ASEAN-Russia Workshop on the Development and **Creation of Vaccines of New Generation** Moscow, Russia 27-28 November 2008

Joint Asia Pacific Association of Medical Editors and Western Pacific Region **Index Medicus Meeting** Beijing, China

18-21 November 2008

### 2008 Global Ministerial Forum on Research for Health

Bamako, Mali 17-19 November 2008

#### **2nd Global Bio-Herbs Economic Forum**

Kuala Lumpur, Malaysia 15-17 November 2008

56th Meeting of the **ASEAN Committee on** Science and Technology Sarawak, Malaysia 1-2 November 2008

**Conference on Coopera**tion in Traditional **Medicine with ASEAN** Countries New Delhi, India 31 October ñ 1 November 2008

Joint Meeting of the Infectious Diseases Society of America and **Inter-Science Conference** on Antimicrobial Agents and Chemotherapy Washington D.C., United States of America

**Training Course on Bio**technological Utilization of **Tropical Resources** Hainan. China

20 October ñ 8 November 2008

**Genomics Workshop** Genome Institute of Singapore, Singapore 16-18 June 2008

in by PCHRD

**Asia-Pacific Meeting for** 2008 Global Ministerial Forum on Research for Health Bangkok, Thailand

10-12 June 2008

## 8th International **Advanced Course on** Vaccinology in Asia Pacific Region

Seoul, South Korea 5-10 May 2008

## 2nd ASEAN-China International **Bioinformatics Workshop**

National University of Singapore, Singapore 17-18 April 2008

## **ASIAHORC's Working Group Meeting**

Tokyo, Japan 11 April 2008

## **ASEAN Workshop on Reverse Genetics-Based** Vaccines for Avian Influenza Bangkok, Thailand

21-22 January 2008

## Media Mileage

## Print

RP to Export Herbal Medicine to SEA Countries within 2008 Manila Bulletin, 29 August 2008

Widening of Health Research Base Needed: Agency Sun Star Pampanga, 14 August 2008

Scientists urge Passage of Health Research Bill Philippine Daily Inquirer, 12 August 2008

DOST Lauds Novartis Support for RP Scientist The Philippine Star, 3 August 2008

Medicine: Dr. Isidro C. Sia Manila Times, 14 June 2008

DOST Golden Anniversary Starts with Stamp and Book Launch Philippine Daily Inquirer, 6 June 2008

**Urgent Need for PNHRS Bill** NewsBreak Pampanga, 6 April 2008

Need for Traditional Knowledge Digital Library on Health NewsBreak Pampanga, 31 March 2008 Urgent Need for PNHRS Bill NewsBreak Pampanga, 31 March 2008

**"Laymanizing" Research, Communicating with the Media** Philippine Recorder Pampanga, 24-30 March 2008

Back to Natural, the Evolution of Cough Medicine The Philippine Star, 20 March 2008

**Health Research Bill Pushed** The Philippine Star, 19 March 2008

Passage of House Bill 5761 Pushed Manila Bulletin, 19 March 2008

Filipino Scientist Developing Digital Library to Stop Biopiracy Business World, 18 March 2008

Filipino Scientist Developing Digital Library to Stop Biopiracy Serbobox, 18 March 2008

**The Evolution of Cough Medicine** Philippine Daily Inquirer, 17 March 2008 Online Medical Help through NBN Manila Bulletin, 17 March 2008

DOST to put up Digital Library on Traditional Medicine The Philippine Star, 13 March 2008

As We Go to Press, Digital Library to Curd Biopiracy Business Mirror, 12 March 2008

DOST Eyes Production of Various Vaccines Manila Bulletin, 9 February 2008

**Lessons from Seoul** The Philippine Star, 22 January 2008

## Radio

PCHRD (Dr. Jaime Montoya) Radyo ng Bayan, 25 October 2008

Herbal Medicine (Dr. Jaime Montoya) DZEM, 14 October 2008

Alternative Medicine (Dr. Jaime Montoya) DZEC, 12 October 2008 Young Scientist Award / Fish Mucus Antibiotic (Mr. Melvyn Carlo Barroa) DZEC, 29 July 2008

Young Scientist Award / Fish Mucus Antibiotic (Mr. Melvyn Carlo Barroa) DZEM, 29 July 2008

Young Scientist Award / Sea Slug for Tumor Research (Ms. Ivy Razel Ventura) DZEC, 29 July 2008

Young Scientist Award / Sea Slug for Tumor Research (Ms. Ivy Razel Ventura) DZEM, 29 July 2008

Young Scientist Award (Dr. Jaime Montoya) DWBL, 29 July 2008

Young Scientist Award (Dr. Jaime Montoya) DZEM, 29 July 2008

Young Scientist Award (Dr. Jaime Montoya) DZRB, 29 July 2008 DOST Golden Jubilee (Dr. Jaime Montoya) DZMM, 4 May 2008

DOST Golden Jubilee (Dr. Jaime Montoya) DZRB, 20 April 2008

PCHRD Anniversary (Dr. Jaime Montoya) Radyo ng Bayan, 11 March 2008

Research Translation (Dr. Jaime Montoya) DWAD, 11 March 2008

Research Translation / PCHRD Anniversary (Dr. Jaime Montoya) DZEM, 11 March 2008

**Telehealth (Dr. Alvin Marcelo)** Radyo ng Bayan, 11 March 2008

**Telehealth (Dr. Luis Sison)** DWAD, 11 March 2008

PCHRD Anniversary / DOST Golden Jubilee (Dr. Jaime Montoya) DZMM, 2 March 2008

DOST Golden Jubilee (Dr. Jaime Montoya) DZEM, 29 February 2008 DOST Golden Jubilee (Dr. Jaime Montoya) DZRM, 22 January 2008

## **Television**

Young Scientist Award (Dr. Jaime Montoya) ABC-5, 29 July 2008

Young Scientist Award (Dr. Jaime Montoya) IBC-13, 29 July 2008

Young Scientist Award / Fish Mucus Antibiotic (Mr. Melvyn Carlo Barroa) ABC-5, 29 July 2008

Young Scientist Award / Fish Mucus Antibiotic (Mr. Melvyn Carlo Barroa) IBC -13, 29 July 2008 Young Scientist Award / Fish Mucus Antibiotic (Mr. Melvyn Carlo Barroa) Sunshine TV, 29 July 2008

Young Scientist Award / Sea Slug for Tumor Research (Ms. Ivy Razel Ventura) ABC-5, 29 July 2008 Young Scientist Award / Sea Slug for Tumor Research (Ms. Ivy Razel Ventura) IBC-13, 29 July 2008

Young Scientist Award / Sea Slug for Tumor Research (Ms. Ivy Razel Ventura) Sunshine TV, 29 July 2008

Research Translation (Dr. Jaime Montoya) ABC-5, 11 March 2008

Research Translation (Dr. Jaime Montoya) GMA-7, 11 March 2008

Research Translation (Dr. Jaime Montoya) RPN-9, 11 March 2008

**Research Translation** UNTV, 11 March 2008

Telehealth (Dr. Alvin Marcelo) UNTV, 11 March 2008 Telehealth (Dr. Luis Sison) ABC-5, 11 March 2008

Telehealth (Dr. Luis Sison) RPN-9, 11 March 2008

## Online

PCHRD partners with Novartis to support BioCamp PCHRD Website, 19 December 2008

Medical Societies Promotes Vaccination as a Way to Fight Poverty PCHRD Website, 18 December 2008

JSPS offers Research Fellowship Programs in Japan PCHRD Website, 31 October 2008

How to Avoid Cold Season's Illness PCHRD Website, 24 October 2008

How to Differentiate China Products PCHRD Website, 24 October 2008

MAHLAP to Host Free Medical Talk and Mission PCHRD Website, 24 October 2008

Scientists urge Passage of Health Research Bill PCHRD Website, 14 October 2008

DOST Lauds Ten Men and Women of Science PCHRD Website, 24 September 2008 ANNUAL REPORT 2008

DOST to Award 50 Men and Women of Science PCHRD Website, 22 September 2008

Health World Expo 2008 Scheduled on 2-4 October 2008 PCHRD Website, 22 September 2008

International Conference on Education in the Health Science (ICEHS) Slated on 1-3 October 2008 PCHRD Website, 19 September 2008

**Cheap Medicine Bill to be tackled in House Plenary before Recess** PCHRD Website, 20 September 2008

**Global Handwashing Day** PCHRD Website, 19 September 2008

Nominations Now Open for 2008 Philippine Federation of Chemistry Societies (PFCS) Awards PCHRD Website, 18 September 2008

**PNHRS Launches Best Mentor and Best Consortium Awards** PCHRD Website, 16 September 2008

PCHRD Promotes Health Research among Youths PCHRD Website DOST Now Accepts Scholarship Application for 2nd Sem! PCHRD Website, 16 September 2008

Finland's Millennium Technology Prize Nomination Period Closing on October 1 PCHRD Website, 14 September 2008

MAHLAP Forum at the 29th MIBF PCHRD Website, 5 September 2008

Writing Scientific Journal Seminar a Success PCHRD Website, 5 September 2008

**Pinoy Young Scientists Wow the World** PCHRD Website, 27 August 2008

Stress Redefined PCHRD Website, 27 August 2008

Scientists Develop New Test for Liver Cancer PCHRD Website, 9 August 2008

Using Knowledge for Better Health is Theme of 2nd PNHRS Week PCHRD Website, 8 August 2008

Training Workshop on Writing Research Articles at the PNHRS Week PCHRD Website, 7 August 2008 PCHRD Exec: We Should Empower the Regions PCHRD Website, 2 August 2008

**1st North Luzon Child Care Development Convention Slated on August 22** PCHRD Website, 24 July 2008

Public Health and Medicine in 20th Century Philippines Conference PCHRD Website, 24 July 2008

DOST welcomes the 3rd Batch of Scholars PCHRD Website, 15 July 2008

NSTW 2008: PCHRD to Showcase Inspiring Breakthroughs in Health PCHRD Website , 4 July 2008

DOST Hosting 8th ASEAN Science and Technology Week PCHRD Website, 4 July 2008

**DOST Golden Anniversary Starts** with Stamp, Book Launch PCHRD Website, 4 June 2008

Health Council Puts Research into Action PCHRD Website, 29 April 2008

Health Council Puts Research into Action PCHRD Website, 26 March 2008 The New 2008 MAHLAP Officers PCHRD Website, 14 March 2008

**The National Telehealth Initiative** PCHRD Website, 12 March 2008

Preparation of Traditional Knowledge Digital Library on Health PCHRD Website, 12 March 2008

PCHRD Celebrates 26th Anniversary, Research Translation as Central Theme PCHRD Website, 27 February 2008

Search On for Best Mentor in Health Research PCHRD Website, 27 February 2008

DOST Celebrates Golden Anniversary, Brings Down Science to Ground Level PCHRD Website, 15 February 2008

HERDIN receives 2007 Outstanding Library Program Award PCHRD Website, 15 February 2008

**BIE of France Now Accepting Nominations for Cosmos Prize** PCHRD Website, 29 January 2008

MAHLAP Congress and Seminar-Workshop PCHRD Website, 18 January 2008

# Publications

## **Print**

PCHRD 2007 Annual Report

Converge @ PNHRS [Newsletter]

Access to Cheap Medicines [Flyer]

lodine Test kit [Flyer]

Keeping Women Workers Safe from Lead [Flyer]

Protecting Vegetable Farmers, Safe Use of Pesticides [Flyer]

Schistosoma Urine Dipstick [Flyer]

Screening Newborns for Hypothyroidism [Flyer]

Universal Testing Machine [Flyer]

Virgin Coconut Oil [Flyer]

Vitamin A Fortified Cooking Oil [Flyer]

## **Non-Print**

**26th PCHRD Anniversary Proceedings** 

**2nd PNHRS Week Proceedings** 

## Making Health Research Work for Filipinos



Department of Science and Technology 3F DOST Main Building Gen. Santos Avenue, Bicutan, Taguig City Tel. Nos. 837-7534 to 37 www.pchrd.dost.gov.ph