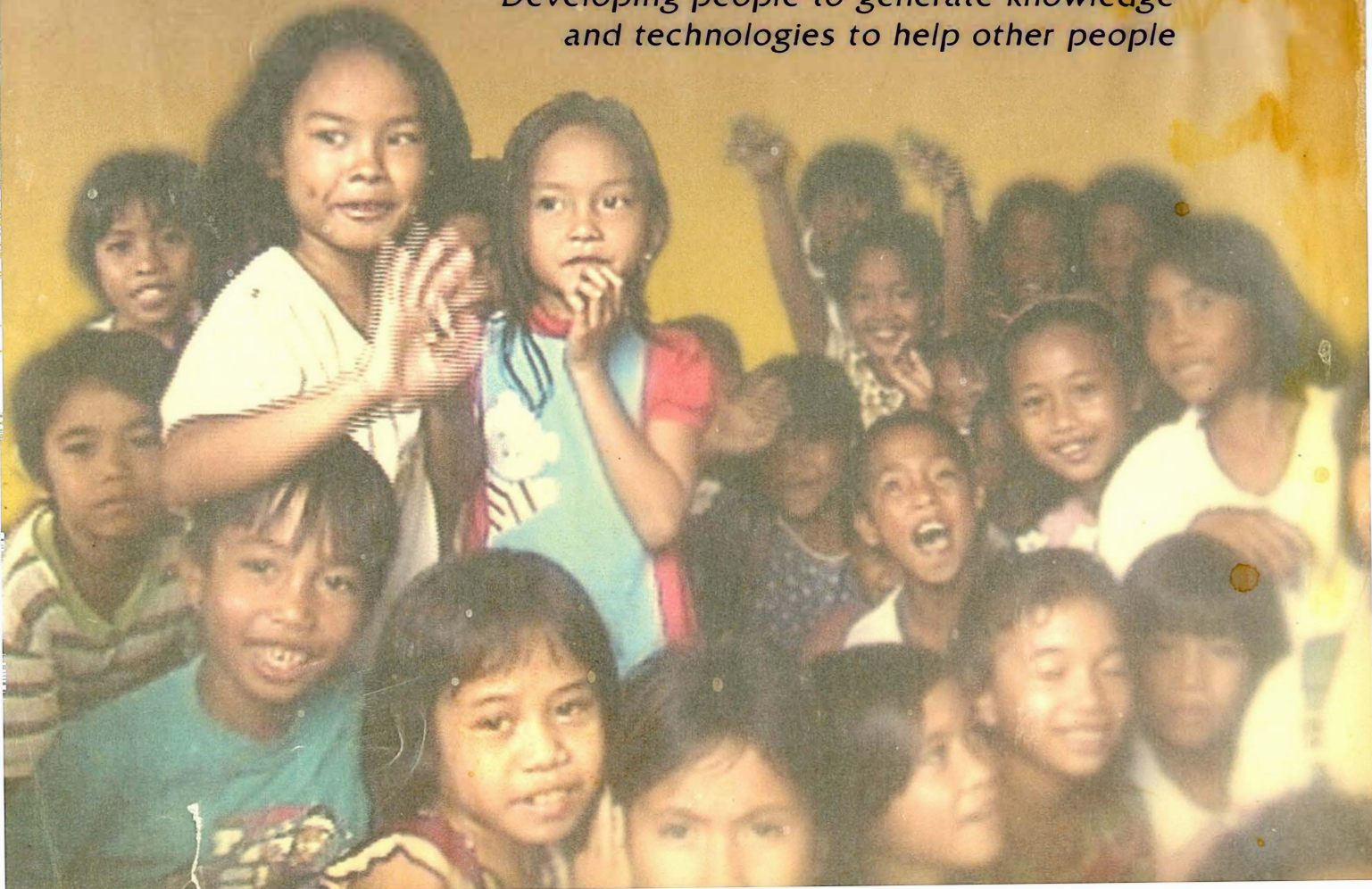


PCHRD 2000 Annual Report



*Developing people to generate knowledge
and technologies to help other people*



PCHRD 2000 Annual Report



Table of Contents

Chairman's Message **2**

Executive Director's Message **3**

PCHRD Accomplishment Report **4**

PCHRD 18th Anniversary **15**

PCHRD Finances **19**

Thesis/Dissertation Grantees **21**

Research Fellowship Program Grantees **24**

List of Scholars **24**

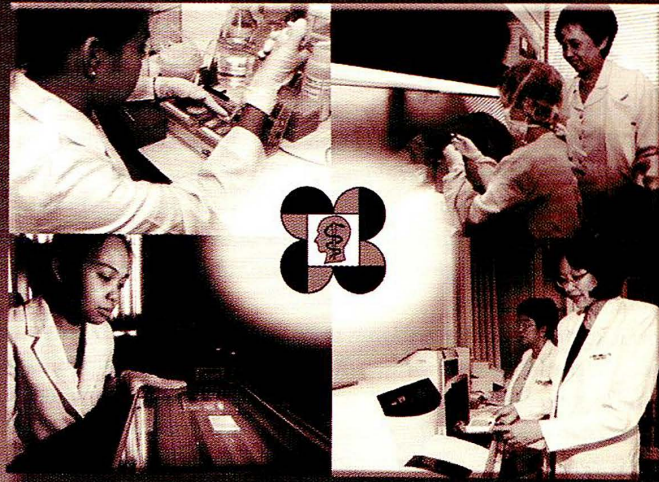
Research Apprenticeship Projects **28**

Projects Assisted by PCHRD **30**

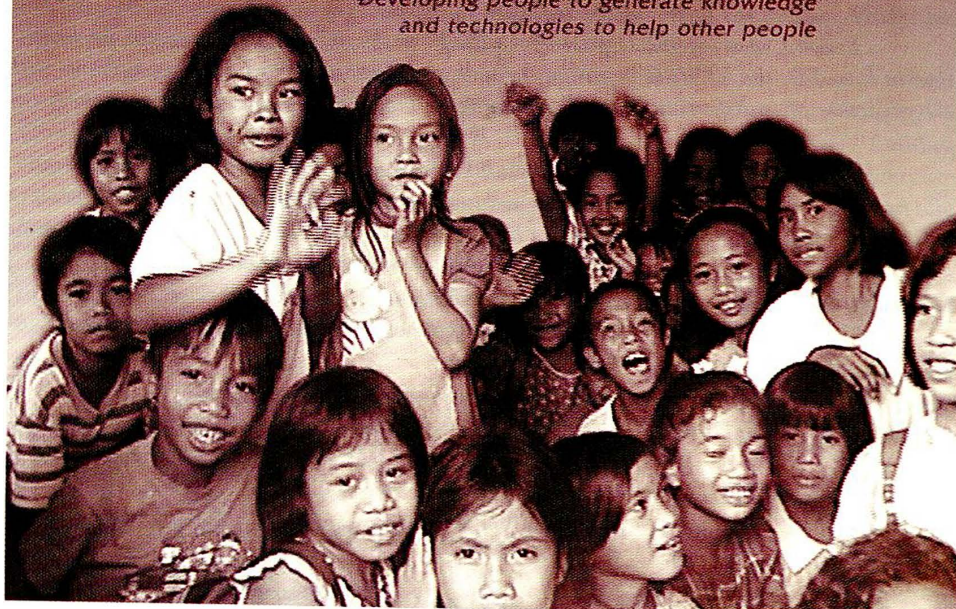
Directory of Officials **32**

Organizational Structure **33**

PCHRD 2000 Annual Report



*Developing people to generate knowledge
and technologies to help other people*



Message



As DOST Secretary, I am proud to present the accomplishments of the Philippine Council for Health Research and Development (PCHRD), one of the five Sectoral Councils of the Department, for the year 2000.

This Annual Report details the PCHRD's three-point strategy in addressing the changing and growing needs of the Philippine health research and delivery sector for the new millennium.

First, recognizing that a nation's strength in today's knowledge economy lies in the quality of its research and manpower base, the PCHRD continues to build up the country's health R & D capability in two ways: one, by way of its recognition of outstanding researches through the Outstanding Health Research Award and the Regional Researcher of the Year Award; and two, through its Twinning Project which aims to bridge the disparity in research capability between metro-based research institutions and those institutions based in the regions.

Second, sharing the Department's thrust to encourage private sector participation in R and D, the PCHRD continues to seek partnerships with private companies with the objective of transferring mature technologies that would eventually benefit the public.

Third, recognizing that the availability and use of information are a prerequisite for economic and social mobility in today's networked economy, the PCHRD seeks to empower as many Filipinos as possible by setting up the necessary infrastructures to enable our people to access information that they need, when they need it, especially with regards to health care and related information.

Given the PCHRD's history of accomplishments, I have no doubt that the Council will even outdo itself in the new millennium.


Dr. FILEMON A. URIARTE, JR.
Secretary
Department of Science and
Technology

Message



Guiding the country's health research and development to the new century was a crucial role that PCHRD played in the Year 2000 especially amidst the nation's and the region's socio-economic turmoils.

For the third time since the award's inception in 1996, we honored, outstanding health researches—this year, the Newborn Screening and the National Tuberculosis Survey.

For the first time, PCHRD awarded outstanding regional researchers for their exemplary work, giving more opportunities for rewarding excellence in research and development. Stimulating research and recognizing important works have been a continuing commitment of the Council in furtherance of science and technology.

Research and development work along DOST's flagship programs were beefed up to address the concerns of the poor, disabled and marginalized groups. Projects included the development of herbal drugs, studies on hepatitis, cardiovascular diseases, cancer, schistosomiasis, occupational health, biomedical devices, and bioethics.

Information and communication technology continued to be used as enabling tools in the delivery of services especially the rural communities. The pilot Multipurpose Community Telecenters in four barangays in Mindanao demonstrated how ICT transcends isolation and how it can be used in bottom-up governance, among other things. The digital library project blueprint was in progress, a major information resource linked to the e-Health initiative.

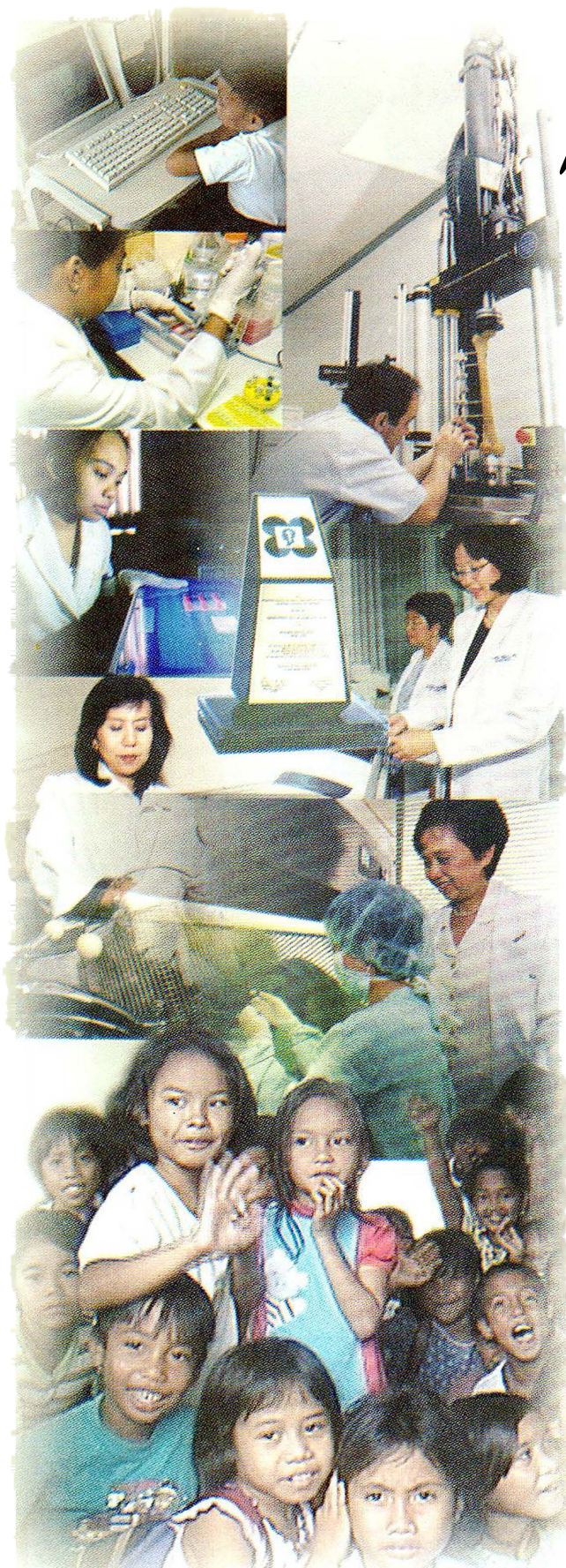
Private sector partnerships remained a vital force in the Council's leadership in technology commercialization. Pascual Laboratories renewed its license to produce and market sambong and lagundi tablets; while Gruppo Medica adopted the technology on lagundi pediatric syrup.

More partnerships were inked including those with international development organizations like IDRC and WHO. These linkages provided both monetary and non-monetary support to the Council.

On its 18th year, PCHRD reaffirmed its commitment to developing people to generate knowledge and technologies that will help other people.

A handwritten signature in black ink, appearing to read 'Pacita Zaba'.

PACITA L. ZABA, M.D.
Executive Director
PCHRD



The world was relieved as January 1, 2000 came without a tragedy. It was also thankful to the science and technology community for correcting the millenium bug in time.

The Y2K bug was given a lot of media mileage. The positive gain for the Philippines was that more people appreciated the power of information and communication technology (ICT) to transform our ways of learning, delivering services, organizing, governance, and work itself. The S&T community led the country's adoption of a new knowledge-based economy paradigm.

This new paradigm spelled a realignment of S&T programs which relied heavily on people resources and the enabling ICT tools. The PCHRD, with its earlier initiatives in the digital technology fronts and its long-standing programs on peoples' health, was more than ready to meet the demands of the knowledge-based economy.

PCHRD's Year 2000 programs, more than ever, underscored its emphasis on people and how information and communication technology enabled people to help other people.

Top researchers in the headlines

Year 2000, The Third PCHRD Outstanding Health Research Award (OHRA) or *Parangal Saliksik Pangkalusugan*

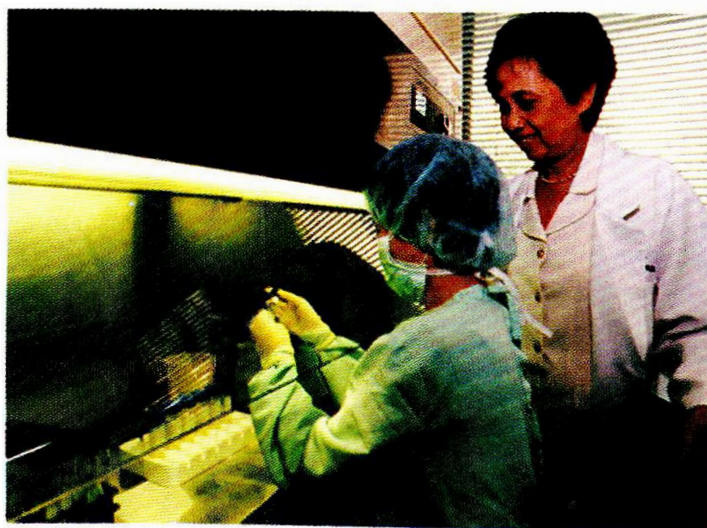
An award given every two years, the winners of the PCHRD's Outstanding Health Research Award (OHRA) in the the biomedical and health services research categories were each given a trophy and cash prize of PhP500,000.

The Newborn Study Group of the National Institutes of Health, University of the Philippines Manila led by Dr. Carmencita Padilla and Dr. Carmelita Domingo won the *Biomedical Research Category*. Their work on newborn screening provided baseline data on preventable genetic diseases of the newborn, a tool for the early detection and management of congenital disorders that can lead to mental retardation or death. Application of this tool means that 1,167 babies are saved each year, an estimated 65.5 million pesos saved per 200,000 newborns screened. The result of the study also served as basis for the DOH's new newborn screening program, the Child 2025. DOH Administrative Order No. 1-A, series of 2000, set the guidelines on the nationwide implementation of the program.

For the *Health Services Research Category*, Tropical Disease Research Foundation's Dr. Thelma Tupasi



bagged the award for her 1997 TB Prevalence Survey. The results of the survey raised the level of understanding of the tuberculosis problem in the country, pointing to the need for public and private sector collaboration in the implementation of the TB Control Program's Directly Observed Therapy (DOT). Likewise, the insights gained from the survey enhanced the educational advocacy efforts on TB eradication, an example of this is the government's "Crush TB Project," launched by the DOH and the Department of Interior and Local Government.



Top researchers in the headlines

Year 2000, the First Regional Research Award



Starting Year 2000, Regional Researcher of the Year Awards were given to individuals or groups who have made significant contribution to the healthcare delivery system in each of the major island groups of Luzon, Visayas and Mindanao. The award provides a trophy and cash prize of PhP100,000.00 to each island group winner.

For Luzon, two winners were declared: Dr. Ma. Lourdes Otayza of the Ilocos Training and Regional Medical Center and Dr. Gertrudes Bernardo of the Don Mariano Marcos Memorial State University. Dr. Otayza's research outputs influenced hospital policies; became the backbone of the first Perinatal Center in Northern Luzon, a Safe Motherhood initiative which made available in a rural area higher level of expertise and technology needed for high risk pregnancies; and resulted to the maximum utilization of government

resources while achieving a declining maternal mortality rate. Dr. Bernardo shared the award for her many and concerted research which tap the medical value of indigenous plant species, converting these into formulations against common skin problems; as well as her creativity in applying the nutritional content of traditionally non-food plant species into nutritious and acceptable formulations to address the malnutrition problem.

For Mindanao, Dr. Hilario Diaz and Dr. Noel Rex Penaranda of the Davao Medical Center won for introducing and adapting a management technique for femoral bone fractures in children. The technique resulted to the optimum use of scarce hospital resources without sacrificing treatment outcome. They have also introduced the innovative DP Technique which provides better tensile strength and resistance to gap formation leading to a better tendon repair.

Twinning of medical schools : A center of excellence holds hand with a region-based medical school, developing researchers nationwide

The assessment of the country's health research resources undertaken by PCHRD for the years 1990-1995 indicated the disparity in research capability of institutions based in Metro Manila and those outside it. To bridge this gap and create a sustained research motivation in health organizations outside Metro Manila, PCHRD adopted the twinning strategy.

The twinning program is a mechanism that enables a Metro Manila-based medical school, a center of excellence (COE), to work with a region-based medical institution in a handholding strategy to develop research capability, in a manner of a big-small brother or big-small sister arrangement. The twinning program was formally launched with the signing of the Memorandum of Agreement in March 2000 among five pairs of Metro Manila and region-based medical schools, PCHRD and the UP College of Public Health Foundation, Inc.. A Supplemental Memorandum of Agreement was also signed between the Metro Manila-

based medical schools and their twin institutions.

PCHRD facilitated the initial visits and the meetings of the Metro Manila and region-based institutions. These meetings were very rewarding and fruitful as the region-based institutions welcomed their big brother (sister); and



set their development plan in implementing the program, starting with a training on basic health research methods.

After a year of implementation, the younger brother (sister), the region-based medical school has established its research and development office, designated a core research staff, organized a project implementation team to work hand in hand with the COE project coordinator, identified their faculty/staff for research capability development, and conducted a series of training sessions on basic health research methods. Some of the proposals developed in the latter training were already implemented.



Metro Manila institutions

UP Manila
UST Faculty of Medicine and Surgery
UERM Memorial Medical Center
FEU-Dr. Nicanor Reyes Medical Foundation
Cebu Institute of Medicine

Regional institutions

Bicol Christian College of Medicine
Angeles University Foundation
Xavier University College of Medicine
St. Louis University College of Medicine
West Visayas State University

Continuing people development to ensure continuous knowledge supply

In the Year 2000, PCHRD supported 85 ongoing scholars, 18 of which were new grantees; and out of this number 12 graduated. In regard to non-degree training programs, 22 were conducted for 233 trainers and 357 participants.

To ensure equity in research capability development, PCHRD initiatives in Regions 1, CAR, NCR, 6, 7, 8 and 11 continued through its Regional Health Research and Development Committees (RHRDCs).

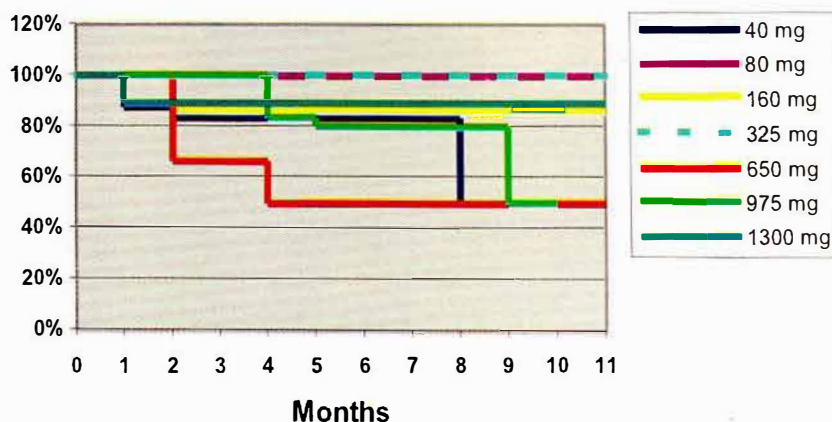
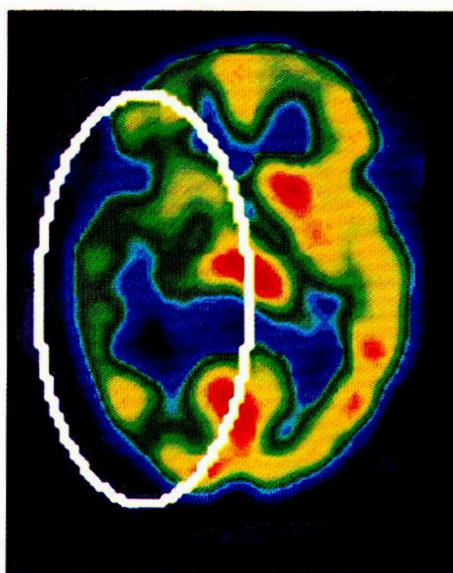


Develop people, and projects come

PCHRD assisted 69 projects and 27 of these were completed in the Year 2000. Some of the accomplishments were as follows : coming up with national evidence-based clinical practice guidelines on TB which standardized and improved diagnosis, treatment and management of TB; and on pre-operative cardiac evaluation of patients undergoing non-cardiac surgery which confirmed that there is an optimal dose of aspirin that prevents platelet aggregation among stroke patients. Endorsed also were the results of a policy study on the Philippine pharmaceutical industry which called for the development of a self-reliant national pharmaceutical industry that learns from and works with the international pharmaceutical community.



Preliminary Results Year 1 (n=87)
Outcome: Adverse Reaction, Stroke, MI, or Death



Intellectual property rights and technology commercialization, equipping a researcher's tool kit to compete in an open and global economy

A dynamic intellectual property system supports and encourages technological innovation and artistic creativity. It also brings more investment and technology transfer, more and better products and services available to more people everywhere.

The PCHRD, as part of its technology commercialization program, assists researchers in safeguarding their intellectual property rights; and appreciating the market, financial and joint venture environment in order for their technologies to reach consumers. To educate and bring together the multidisciplinary partners in technology commercialization, a series of seminars on these interdependent topics was

conducted. The first one was held at the Asian Institute of Management, Makati City in coordination with the Research Center for Natural Sciences, University of Sto. Tomas and Quisumbing-Torres law Firm.

The second seminar was held on 24-25 August 2000 at Hotel La Nivel, Cebu City in cooperation with DOST Region 7. These seminars were aimed at enhancing awareness of researchers, technology developers, adopters, entrepreneurs, venture financiers, business professionals, practitioners, and S&T administrators on cross-cutting technology commercialization concerns.

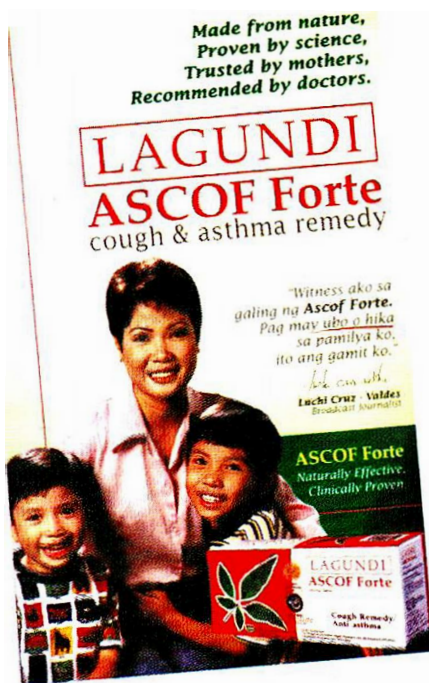


People in the private sector – our partners in bringing healthcare products to the market, from technology generators to technology consumers

Pascual Laboratories, Inc. (PLI) and PCHRD renewed the license to produce and market the technologies for medicinal plant products, Lagundi (Ascof) as cough remedy and for the control of asthma; and Sambong (Releaf) as diuretic and for urolithiasis last 6 November 2000 for another five years. PLI estimated a combined Year 2000 sales of PHP 30.0M for both products. This increase in market share redounded to an increased share of researchers' royalty.

Another licensee, Gruppo Medica, Inc., (GMI), technology adopter of lagundi pediatric syrup, was in the process of registering the product with the Bureau of Food and Drugs (BFAD); and hoped to launch the product in 2001.

Ongoing negotiation with a new technology adopter, Lloyds Laboratory, was undertaken for the production technologies of *lagundi* and *sambong* tablets, *lagundi* pediatric syrup, and *akapulko* lotion. Signing of the license agreement between PCHRD and Lloyd Laboratories, Inc. (LLI), is set for 9 February 2000.

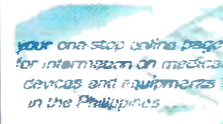
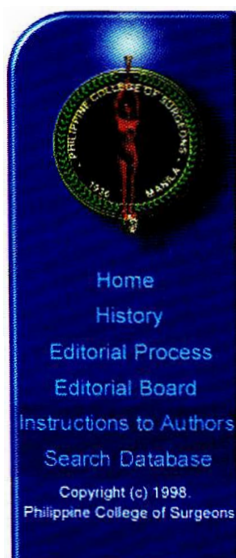


The e-Health Information Village: A Community of Health Information Producers, Providers and Users on the Net

Launched in 1998, the electronic Health Information Village (e-Health Village) aims to build an information resource on the Net by and for the people in the health community.

PCHRD, in collaboration with subject experts, continued to develop specialty information resources, as its strategy to build a comprehensive one-stop Philippine health information website. Component parts on the development of databases and Internet resources on Biomedical Devices, Surgery and Tuberculosis had been completed. The one on Malaria, developed by the Philippine Malaria Study Group based at the DOH's Research Institute for Tropical Medicine (RITM), was in progress.

The databases may be accessed through the PCHRD website or directly through <http://www.ehealth.net.ph>



e-Health Digital Libraries: creating new forms of knowledge repositories and new channels of information dissemination

Over the years, several initiatives were undertaken by PCHRD that translated information resources into digital forms, allowing researchers easier access to health information, especially those that were published. The first of these was the HERDIN databases, a local counterpart of the US MEDLINE. With this start, PCHRD continued to infuse digital technology updates in its information products and services, like moving from abstracts to full-text articles; from computerized databases to using alternative media like CD-ROM and the web. There were over 3,000 researchers served by PCHRD in Year 2000 through its information services desk.

In terms of developing integrated library system for small health libraries, usually staffed by one person, eight health libraries undertook an evaluation to study of available systems and came up with an advisory. The group found out that existing commercial integrated library systems were too expensive for any one library to purchase, except for big medical schools. This study led to the formation of a core group which started discussions on setting up a digital library consortium which work, as a first project, on assessing how a cooperative subscription of full-text international journals can be implemented.

FILMALARIA
The Philippine Malaria Website



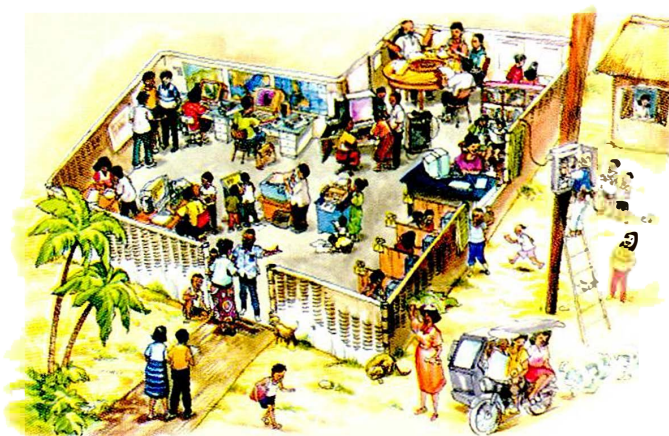
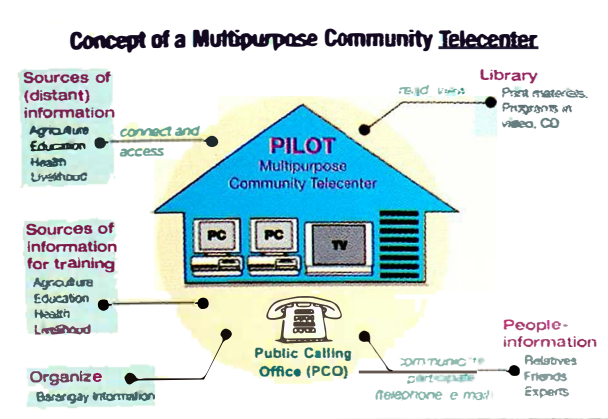
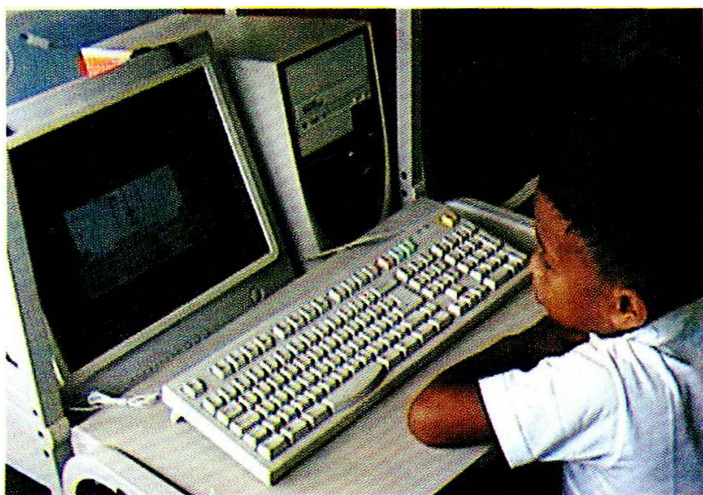
Making information and communication technology (ICT) work for people in rural communities

The project on multipurpose community telecenters (MCT) was a pilot to bring ICT to the rural villages, not only to establish connection to the Internet, but to also spur content development at all levels, and create an environment for a two-way communication and interaction – between and among groups of similar concerns, government and its citizens, specialists and their clients, etc. Aside from providing an Internet café services and a venue for content development, the MCT is also a reading and a learning resource center.

The four pilot sites are in four villages in Southern Philippines, located in the island of Mindanao, namely : Barangay Jaliobong, Kitcharao and Barangay Maguinda, Butuan City in the province of Agusan del Norte; Barangay Malinga, Tubod and Barangay Taguitic, Kapatagan in the province of Lanao del Norte. These are villages which thrived mainly on farming and fishing. The telecenters are co-located in village halls, although two of these sites have transferred to separate spaces provided for by the villages from their own resources.

The MCT as a community facility engages the villagers to participate in the information content development process to ensure that indigenous village information is fed into the information system loop. Importantly, MCTs provide a venue for the villagers to directly participate in governance, thus, ensuring that government programs are in synch with the community's aspirations.

As a start, a more lasting benefit was seen in the empowered attitude of the MCT volunteers. They were trained to develop their ICT skills, and now they were trainers in their own community. The rise in self-esteem, the opportunity to teach and serve other people, to know more about their community and their people were very uplifting for them. As one of the major planners, they do realize that, as



their MCT grows, they will share in the benefits of this growth.

This sense of empowerment extends to the whole community as they are trained as skillful users, thus, increasing their appreciation/use of and contribution to the MCT.

Some of the key lessons of the MCT initiative were as follows :

- ⌋ The project showed that it was possible to go down direct to the grassroots level to introduce ICT. The community was open to the technology, willing to learn, and committed to provide resources and to make the project work, not only in the traditional public service mode, but in a manner in which cost is recovered and plowed back into operations. Access to information resources, using the Internet, complements the community's traditional information sources like face-to-face personal transactions and the radio. Similarly, access to information resources has to be complemented with links to human and organizational resources of organizations delivering the information and the service.

It is not the information obtained that is, eventually, important. It is the service that is delivered directly to citizens, and the opportunities for them to participate in decision-making.

Shout on the rooftops, and tell the world, what the people in the health S&T community are doing

As research utilization was demanded more and more of the S&T community, the deployment of marketing skills and strategies became imperative. This was to make the beneficiaries aware of what knowledge and technologies were generated by the S&T community to improve the quality of peoples' lives. In the same manner, by getting in touch with the endusers, the researchers become attuned to the problems and concerns of their clients.

Some of the tools used by PCHRD in disseminating research results were scientific symposia, press conferences and exhibits.

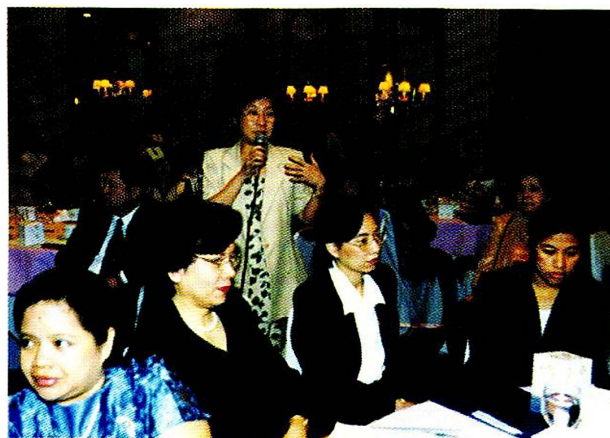


PCHRD-led Symposia and Press Conferences

- PCHRD Accomplishments, Year 2000
Thrusts and Directions
Jadevine Restuarant
February 26, 2000
- Cost effective out patient treatment of community pneumonia
Grand Boulevard Hotel
April 5, 2000
- Evaluation of off-campus MPH Program
UP - Naciona Institutes of Health
May 26, 2000
- State of the Art of Occupational Health in the Philippines
UP - Board Room
July 23, 2000
- Tuberculosis Consensus
UP - National Institute of Health
September 19, 2000
- Comparison of Quadruple (2RHZE/4RH) vs. Triple (2 RHZ/4RH) Short-Course Treatment for Tuberculosis in the Philippines
UP - National Institute of Health
December 6, 2000

PCHRD-DOH-UP Manila Joint Scientific Forums and Press Conferences

- The male factors on women's health
UP - College of Public Health Press Room
February 29, 2000
- D-day dogs and disaster
UP - College of Public Health Press Room
March 31, 2000
- Health impact on climate change
UP - College of Public Health Press Room
May 5, 2000
- Children and Tobacco
UP - College of Public Health Press Room
May 26, 2000
- Epidemiologic Studies on Fish Poisoning and Typhoid Fever Outbreaks
UP - College of Public Health Press Room
June 25, 2000
- Current issues on Leprosy
UP - College of Public Health Press Room
July 25, 2000
- Current issues on Malaria





Exhibits

- UPCM 7th Grand Scientific Symposium and Exhibit
Manila Midtown Hotel, January 19-22, 2000
- UST Annual Science Week
UST Main Building
January 31 - February 2, 2000
- 35th Annual Convention of the Association of Philippine Medical Association
2/F UP College of Medicine
February 9-11, 2000
- Kabisig Service, Investment Information Exhibits 2000
SM Megamall
February 23-28, 2000
- Unisan Day Celebration
Unisan Elementary School, Unisan, Quezon
February 16, 2000
- Ilocos Training and Regional Medical Center Health Week
San Fernando, La Union
May 12, 2000
- Telecomex Exhibit
World Trade Center
May 17-21, 2000
- Vascular Convention
EDSA Shangrila
May 24, 2000
- 11th Scientific Poster Exhibit of Health and Related Technologies
UP-PGH Lobby
July 17-21, 2000
- 11th Annual Science and Technology Fair
Philippine Trade and Training Center
July 10-14, 2000
- 2nd Visayas Science and Technology Fair
SM Mega Trade Hall, Cebu City
July 24-30, 2000
- Mindanao Cluster Science and Technology Fair
Surigao City, August 7-11, 2000
- 2nd Northern Luzon Science and Technology Fair
Batac, Ilocos Norte
September 25 - October 1, 2000
- AIDS Convention
Westin Philippine Plaza
October 20-21, 2000
- Philippine Health Social Science
Manila Midtown Hotel
October 13-15, 2000
- AFP 65th Anniversary
Sangley Point, Cavite City
October 13-15, 2000

PCHRD @18 : coming-out-of-age at the dawn of the 21st century

As the world welcomed the Year 2000, the start of the 21st century, PCHRD, on the other hand, turned 18 years old, a debutante. And what a good timing - a new century with a new paradigm, and a Council coming-out-of-age, ready to take on a new challenge, with the same dedication on people matters.

Developing people, building information resources for a knowledge-based economy, this was the coming-out-of-age theme of PCHRD. People and information, these were the areas in which the Council focused its visions and its resources, manifested by its capacity-building programs and pioneering initiatives in information and ICT-based projects. The new tools of the new century sharpen these same focus on people and information from people, in a more interactive and outreaching manner.

18

PCHRD@

***Nurturing People,
Building Information
for a Knowledge
Based Economy***





Health S&T programs of people, about people, for people : building the links that make things happen

The Council's modus operandi centers on linking and networking with people, in informal and formal ways; in-house and externally; locally and internationally; — to research, to learn, to enrich its programs, to formulate new programs, to seek advice, to get feedback, to advise, to provide technical and information services, to deliver services, to disseminate information, to promote and sell health technologies; and to advocate policies.

With people networking, the Council was able to research on and learn from new world developments in such areas as genetically modified organisms, regulations on disposal of biomedical wastes, telemedicine, information and communication technology convergence, bringing rural development to indigenous people through ICT in isolated Malaysian highlands, and international trade harmonization of medical equipment regulation. International development organizations and programs like WHO, COHRED, IDRC, CIDA, UNESCO, SEAMEO-TROPMED, MDVista, RP-PROC and RP-Vietnam Scientific Cooperation, as well international partners and linkages, provided venues and resources for people and information exchanges.

Local linkages with the DOST System, DOH, CHED, CHED, DECS, TESDA, DA, DENR, DILG, LGUs, DOTC, Houses of Congress, DBM, specialty societies, medical schools, health institutions and professionals, business and legal communities, pharmaceutical industry, NGOs and user communities provided inputs on what health and related problems to concentrate on, what complementary programs and expertise exist, what resources are available and where to get them.

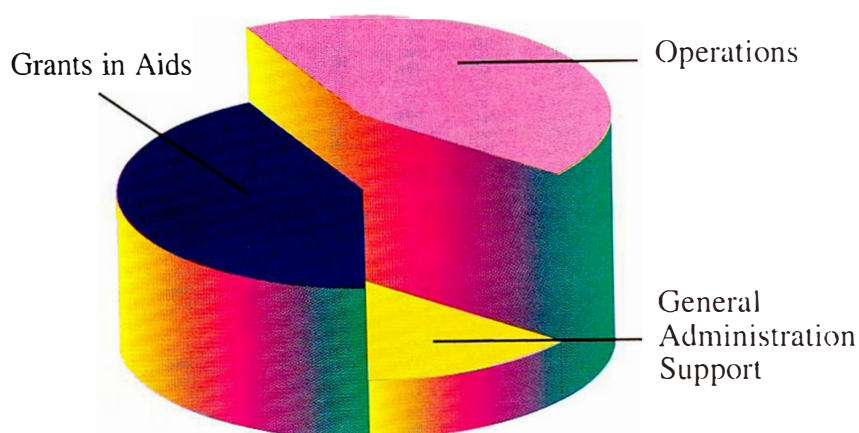
*.... linking and
networking with people,
in informal and
formal ways; in-house
and externally;
locally and
internationally*

All these information, learning and people network were fed into Council initiatives and advisories provided for policymaking of the executive and legislative branches of government; for program and project implementation of the health research network participants; for promoting to intended beneficiaries the research results, for the eventual utilization of generated knowledge and technology in industry, in healthcare practices, in Filipino households.

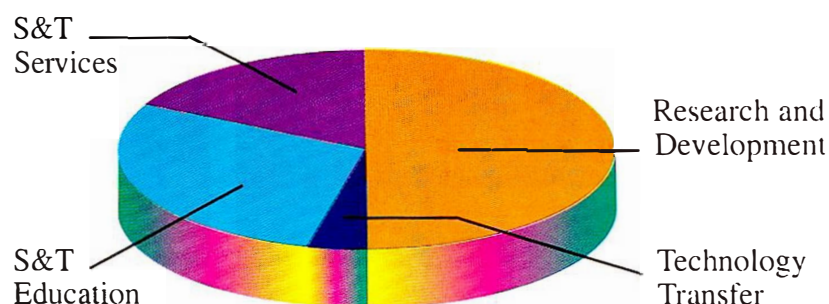
PCHRD Finances

In the Year 2000, the Council got a total allotment PhP45.55 million from the government, 99.3 % of which (government money) had been expended. An additional PhP953 thousand was generated from other sources, giving PCHRD a total of PhP46.50 million available money.

2000 Allotment



2000 GIA Allotment



PCHRD's financial profile, 2000

Particulars	Allotment	Expenditures
General Appropriations from Government		
General administration and support	7,117,000.00	7,117,000.00
Operations	18,534,378.00	18,229,208.00
Grants-In-Aids	19,900,942.00	19,900,942.00
Research and Development	9,873,583.00	9,873,583.00
Technology Delivery	705,676.00	705,676.00
S&T Education	5,548,400.00	5,548,400.00
S&T Services	3,773,283.00	3,773,283.00
TOTAL	45,552,320.00	45,247,150.00
Funds from Other Sources	953,376.00	220,000.00
GRAND TOTAL	46,505,696.00	45,467,150.00

Human Resource Management

A total of 25 staff was sent to training courses and seminars related to their job. This was to update them on the new developments in their respective fields, expected to improve their productivity.

The Council was also finalizing its new staff performance evaluation system, due for implementation in 2001.



THESIS DISSERTATION GRANTEES

Completed

1. **Socorro P. Lupisan, M.D.**
Degree: MS Epidemiology
University enrolled in: UP CEU
Sending Institution: Research Institute for Tropical Medicine
Title of Thesis: *"Validity of WHO-recommended ARI case assessment in the diagnosis of pneumonia in children less than five presenting cough and fever in a malaria hyperendemic area in the Philippines"*
2. **Xenia Tigno, Ph.D.**
Degree: MS Epidemiology
University enrolled in: UPCEU
Sending Institution: UP College of Medicine
Title of Thesis: *"Neurophysiologic evaluation of workers in an automotive body assembly"*
3. **Donna Monatañano**
Degree: MS Nutrition
University enrolled in: UP College of Home Economics
Sending Institution: National Kidney and Transplant Institute
Title of Thesis: *"Short-term effects of different sources of protein in early stages of chronic renal disease"*
4. **Jay Dalet**
Degree: MS Biochemistry
University enrolled in: UP College of Medicine
Sending Institution: UP College of Arts and Sciences
Title of thesis: *"Direct detection of rifampicin resistance mutations in the rpoB gene of selected community-based and hospital-based Philippine Mycobacterium tuberculosis isolates"*
5. **Mildred Padilla, DVM**
Degree: PhD. Public Health (Parasitology)
University enrolled in: UP College of Public Health
Sending Institution: UP College of Veterinary Medicine
Title of Dissertation: *Development of an antigen detection assay for fasciolosis in cattle"*
6. **Crisol Tabarejo, M.D.**
Degree: MS Public Health
University enrolled in: UCPH
Sending Institution: Matias Aznar Memorial College of Medicine
Title of Thesis: *"The relationship of selected maternal exposures and the delivery of low birthweight infants"*

7. **Irma B. Gavino**
Degree: Ph.D. Nursing
University enrolled in: UP College of Nursing
Sending Institution: UST College of Nursing
Title of Dissertation: *"Towards enhancement of self-esteem for Filipino abused women"*

8. **Araceli Balabagno**
Degree: Ph, D. Nursing
University enrolled in: UP College of Nursing
Sending Institution: UP College of Nursing
Title of Dissertation: *"Effects of Home Instruction Program on the functional Health Performances Among Older Cardiovascular Clients"*

On-going

1. **Laurie Ramiro**
Degree: Ph.D. Clinical Psychology
University enrolled in: UP Manila
Sending Institution: UP College of Arts and Sciences
Title of Dissertation: *"Manginginom. tomador at lasenggo: A psychosocial study of alcoholism in the Philippines"*
2. **Nancy Hilario**
Degree: MS Chemistry
University enrolled in: University of San Tomas
Sending Institution: UST College of Pharmacy
Title of Thesis: *"Phytochemical studies of three selected Apocynacea for biologically active constituents"*
3. **Erlinda Tan-Nuguid**
Degree: MS Chemistry
University enrolled in: University of San Tomas
Sending Institution: UST College of Pharmacy
Title of Thesis: *"Zinc, copper and cadmium levels of Filipinos with coronary heart diseases (CHD)"*
4. **Nina Castillo-Carandang**
Degree: Ph.D Medical Anthropology
University enrolled in: University of Amsterdam, Netherlands
Sending Institution: UP-CEU
Title of Dissertation: *"Household and community responses to perceived malaria in an endemic zone in rural Philippines"*
5. **Phoebe Espinas**
Degree: MS Biological Sciences
University enrolled in: University of San Tomas
Sending Institution: National Museum
Title of Thesis: *"Medicinal plants and home remedies of the Abellen Aetas"*

6. **Fe Esperanza Espino, M.D.**
Degree: Ph.D Tropical Medicine
University enrolled in: Queensland University, Australia
Sending Institution: Research Institute for Tropical Medicine
Title of Dissertation: *"Indicators for evaluating the effect of a community-based malaria control intervention in a low endemic area in the Philippines"*
7. **Rodmar Pulido**
Degree: MS Biochemistry
University enrolled in: UP College of Medicine
Sending Institution: Lung Center of the Philippines
Title of Thesis: *"Modulation of vinblastine cytotoxicity by protein kinase inhibitor, okadaic acid and lectin from Dolicho's Laboratory in non-small lung cancer cells"*
8. **Anacleto Argayosa**
Degree: MS Biology
University enrolled in: UP Diliman
Sending Institution: UP Institute of Biology
Title of Thesis: *"Lectins and lectin receptors from Acanthamoeba sp."*
9. **Raquel Tan**
Degree: MS Microbiology
University enrolled in: UST
Sending Institution: National Kidney and Transplant Institute
Title of Thesis: *"Cell protecting effect of sublytic doses of streptolysin "O" in human proximal kidney tubule cells from cell-mediated cytotoxicity"*.
10. **Ma. Hanshella Resurreccion**
Degree: MS Chemistry
University enrolled in: UP Institute of Chemistry
Sending Institution: UP Institute of Chemistry
Title of Thesis: *The antidiabetic constituent of Macopa (syzygium samarangense [blume]) Leaves: Its isolation, Purification and structure characterization"*
11. **Jose Mallari**
Degree: MS Microbiology
University enrolled in: University of Santo Tomas
Sending Institution: Manila Central University- College of Medical Technology
Title of Thesis: *"Rapid antibiotic Production Test Using Poly-beta-hydroxybutyrate (PHB)"*
12. **Ma. Theresa Bundoc**
Degree: MS Pharmacy
University enrolled in: University of San Tomas
Sending Institution: UST College of Pharmacy
Title of thesis: *"A Study of the Mucolytic Activity of the Extract of gumamela flower (Hibiscus rosasinensis Linn.)"*
13. **Prof. Carmelita Abaquin**
Degree: Ph.D Nursing
University enrolled in: UP College of Nursing
Sending Institution: UP College of Nursing
Title of Dissertation: *"Prepare Me Intervention and Quality of Life of advanced Progressive Cancer Patients"*
14. **Teresita Tamayo**
Degree: Ph.D. Chemistry
University enrolled in: UP Institute of Chemistry
Sending Institution: Bulacan State University
Title of Dissertation: *"Chiral Separation of Ofloxacin Based on MIP"*
15. **Daisy Lita Castro**
Degree: MS Nursing
University enrolled in: UP College of Nursing
Sending Institution: UP-PGH Medical Center
Title of Thesis: *"The Effects of Health Education and Support given by the Lactation Nurse on Breastfeeding Behaviors of Mothers with full term babies"*
16. **Teresa Paz G. Pascual, M.D.**
Degree: MS Clinical Epidemiology
University enrolled in: UP Institute of Clinical Epidemiology
Sending Institution: De La Salle University - College of Medicine
Title of Thesis: *"The impact of multi-faceted educational strategy on improving practice behavior among otolaryngologists in the treatment of chronic otitis media with effusion in children and chronic suppurative otitis media in adults"*

New

1. **Ma. Regina A. Pedro**
Food and Nutrition Research Institute
Degree: Ph.D. in Nutrition
University enrolled in: UP College of Home Economics- Diliman
Title of Dissertation: *"High-dose vitamin A supplementation and acute respiratory infection among 2-4y/o children with \geq normal and inadequate long-standing nutritional status in Lian, Batangas"*
2. **Bella Panlilio**
Angeles University Foundation
Degree: Ph.D. Chemistry
University enrolled in: University of San Tomas
Title of dissertation: *"Isolation and Structural Elucidation of the Antitubercular Constituents from Momordica Charantia Linn"*
3. **Cecil Leah Tiangson**
UP College of Home Economics
Degree: MS Nutrition
University enrolled in: UPCHE
Title of thesis: *Docosahexaenoic Acid (DHA) Profile of Breast Milk of Some Lactating Filipino Women"*
4. **Anita Karganilla**
UP College of Nursing
Degree: MA Nursing
University enrolled in: UP College of Nursing
Title of thesis: *"Prevalence, Characteristics and Risk Factors of Urinary Incontinence Among Filipino Women"*
5. **Ana Olguera**
UP-PGH
Degree: MA Nursing
University enrolled in: UP College of Nursing
Title of Thesis: *"Increasing Adult ICU Nurses' Bioethical Knowledge on Death and Dying"*
6. **Merlyn C. Cruz**
Angeles University Foundation
Degree: MS Med. Microbiology
University Enrolled in: University of San Tomas
Title of thesis: *"Sorbitol-Coconut Water Medium for Initial Isolation of Escherichia coli 0157H7"*
7. **Corine Lei Manangan**
Angeles University Foundation
Degree: MS Med. Microbiology
University enrolled in: University of San Tomas
Title of thesis: *"The In-vitro Activity of Meropenem and Amikacin Alone and in Combination Against Extended Spectrum Beta Lactamase (ESBL) Producing E. coli and Klebsiella pneumoniae"*
8. **Dunatila Roma**
University of San Carlos
Degree: MS Pharmacy
University enrolled in: CEU
Title of thesis: *"An Investigation of the Diuretic Activity of the Extract of Carrot (Daucus carota Linn.)"*
9. **Rosie Barrientos**
University of San Carlos
Degree: MSParmacy
University enrolled in: CEU
Title of thesis: *"An nvestigation of the Antipyretic Activity of the Flavonoids from the Mesocarp of the Fruits of Squash, Cucurbita maxima, (Duch. Varviridis) Family cucurbitaceae"*
10. **Pura Alma D. Labis**
Mindanao State University-Iligan Institute of Technology
Degree: MS Health Social Science
University enrolled in: De La Salle Univeristy
Title of thesis: *"Reproductive Experiences of Second Wives of Polygamous Marriages in Iligan City and Lanao del Norte"*
11. **Pilar de la Sena**
Mindanao State University-Iligan Institute of Technology
Degree: MS Chemistry
University enrolled in: Mindanao State Univesity - Iligan Institute of Technology
Title of thesis: *"Isolation and Characterization of Bioactive Substances from the Marine Sponges thorecta sp"*
12. **Lemmuel Tayo**
Pamantasan ng Lungsod ng Maynila
Degree: MS Biochemistry
University enrolled in: UP College of Medicine
Title of thesis: *"Isolation and Characterization of Chitosan from the Exoskeleton of shrimp and Mentis Shrimp and Its Effects on the Plasma Cholesterol Levels of Rabbits with Induced Hypercholesterolemia"*

RESEARCH FELLOWSHIP PROGRAM GRANTEES

PCHRD SCHOLARS, SY 2000-2001 (Sending Institution)

1. Jose H. Bergantin

Sending Institution: UST College of Science
Host Scientist: Dr. Fortunato Sevilla III
Project Title: *"Development of an optical Fiber fluorescence tissue biosensor for determination of PSP toxins in Paralytic Shellfish Poisoning"*

2. Imelda A. Dakis, M.D.

Sending Institution: UST Faculty of Medicine and Surgery
Host Scientist: Dr. Gloria De Castro-Bernas
Project Title: *"Genomic Survey of chronic Schizophrenia and bipolar disorder in Filipinos"*

3. Sheila M. De Jesus

Sending Institution: UST RCNS
Host Scientists: Dr. Mary Chua
Dr. Gloria De Castro-Bernas
Project Title: *"An Evaluation of Filipino Hemophiliacs: A Molecular Approach"*

New

1. Danilo G. Villamangca, M.D.

Sending Institution: Rizal Medical Center
Host Scientist: Dr. Irma Makalinao
Project title: *A Randomized Double –blind controlled trial on the efficacy and safety of Lorazepam and Diazepam in the treatment of patients with alcohol withdrawal at the UP-PGH Medical Center"*

2. Janeta F. Sacbibit, M.D.

Sending Institution: Bicol Medical Center
Host Scientist: Dr. Lynn Panganiban
Title of Project: *Assessing the health effects of chronic solvent abuse among streetchildren in Metro Manila"*

3. Wenceslao A. Kiat, M.D.

Sending Institution: UPCM
Host Scientist: Dr. Irma Makalinao
Title of Project: *"The KAP of elementary school children regarding substance abuse from grades 3-6 from selected private and public schools in Q.C."*

Completed

Masters Degree

Mr. Michael Valdez
MS Microbiology
UST College of Science
[UST College of Science]

Dr. Edward Wang
MS Clinical Epidemiology
UP-CM Department of Clinical Epidemiology
[UP College of Medicine]

Mr. Ernesto Gregorio
Master of Public Health
UP College of Public Health
[UP College of Public Health]

New

Doctoral Degree

Dr. Marilyn Calilung
PhD Molecular Biology and Biotechnology
UP College of Science
[Research Institute for Tropical Medicine]

Ms. Rhoda Rivada
PhD Nursing
UP College of Nursing
[University of Northern Philippines]

Masters Degree

Ms. Julie Charmain Bonifacio
MS Biology
UP College of Science
[Phil Institute for Traditional & Alternative Health Care, DOH]

Dr. Fred Guillergan
MS Biochemistry
West Visayas State University
[UP College of Medicine]

Dr. Isaac David Ampil
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UE Ramon Magsaysay Medical
Center]

Dr. Theresa Sarmiento
MS Biochemistry
UP College of Medicine
[MCU Filemon D. Tanchoco Medical
Fnd.]

On-Going

Doctoral Degree

Ms. Rebecca Azcueta
DrPH Epidemiology
University of Northern Philippines
[UP College of Public Health]

Ms. Lourdes Alvarez
PhD Biological Science
University of Sto. Tomas
[National Museum, DECS]

Ms. Josephine Agapito
DrPH Health Promotion & Education
UP College of Public Health
[UP College of Public Health]

Ms. Luisa Daroy
PhD Molecular Biology and
Biotechnology
UP College of Science
[St. Luke's Medical Center]

Ms. Eleanor Castillo
DrPH Health Promotion & Education
UP College of Public Health
[Adventist University of the Philippines]

Mr. Rommel Salazar
DrPH Health Promotion & Education
UP College of Public Health
[De La Salle University]

Ms. Carmen Tolabing
DrPH Health Promotion & Education
UP College of Public Health
[De La Salle University]

Ms. Buenalyn Teresita Ramos
DrPH Health Promotion & Education
UP College of Public Health
[UP College of Public Health]

Ms. Julieta Dungca
PhD Biology
De La Salle University
[Centro Escolar University]

Ms. Erlinda Domingo
DrPH Health Promotion & Education
UP College of Public Health
[Regional Health Office No.3]

Ms. Benedicta Alava
PhD Chemistry
University of Sto. Tomas
[University of Sto. Tomas]

Mr. Wilfredo Vendivil
PhD Biological Science
University of Sto. Tomas
[National Museum]

Dr. Peter Orbase
DrPH Medical Microbiology
UP College of Public Health
[Central Mindanao University]

Ms. Nymia Simbulan
DrPH Health Promotion & Education
UP College of Public Health
[UP College of Arts and Science]

Ms. Bernadette Mendoza
PhD Medical Microbiology
UP College of Public Health
[UPLB Institute of Biological Sciences]

Masters Degree

Dr. Minerva Calimag
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[University of Sto. Tomas]

Ms. Lerma Paris
MSPH Parasitology
UP College of Public Health
[University of San Agustin]

Dr. Alice Sun-Cua
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[San Juan De Dios Hospital]

Dr. Erwin Erfe
MS Pharmacology
UP-CM Department of Pharmacology
[University of Perpetual Help Rizal]

Dr. Vincent Balanag
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[Lung Center of the Philippines]

Dr. Victor Ernesto Yusuico
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Dr. Fidelita Dico
MSPH Microbiology
UP College of Public Health
[Regional Health Office No.8]

Dr. Camilo Aurelio Naraval
MSPH Epidemiology
UP College of Public Health
[Davao Medical School Foundation]

Ms. Danaida Marcelo
MSPH Biostatistics
UP College of Public Health
[De La Salle University]

Mr. Elde Mel Paladar
MS Biochemistry
UP College of Medicine
[Adventist University of the Philippines]

Dr. Eleanor Gumila
MS Physiology
UP College of Medicine
[FEU-Nicanor Reyes Medical
Foundation]

Ms. Lorena Wambangco
MS Nutrition
UP College of Home Economics
[Nutrition Center of the Philippines]

Dr. Macario Reandelar
MSPH Biostatistics
UP College of Public Health
[FEU Nicanor Reyes Medical
Foundation]

Dr. Miguel Antonio Javier
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP Philippine General Hospital]

Dr. Patricia Khu
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Dr. Mariella Castillo
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Dr. Concepcion Cruz
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Dr. Natividad Aguilar
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Ms. Hyacinth Tagulo
MS Pharmacy
UP College of Pharmacy
[University of Immaculate Conception]

Ms. Clariebelle Reynoso
MS Microbiology
UP College of Pharmacy
[UP College of Medicine]

Dr. Lucila Perez
MS Clinical Epidemiology
UP Institute of Clinical Epidemiology
[MCU Filemon D. Tanchoco Medical
Foundation]

Mr. Leonido Olobia
MS Microbiology
UP College of Public Health
[Regional Health Office No. 8]

Dr. Teresita Cajano
MSPH Biostatistics
UP College of Public Health
[Regional Health Office No.3]

Ms. Ana Maria Bacudio
Master of Public Health
UP College of Public Health
[Manila Health Department]

Dr. Luis Sundiang
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UE Ramon Magsaysay Memorial
Medical Center]

Dr. Jose Navarro
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[University of Sto. Tomas]

Dr. Oscar Naidas
MS clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[University of Sto. Tomas]

Dr. Blanca de Guia
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Dr. Felizardo Gatcheco
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[MCU Filemon D. Tanchoco Medical
Fnd.]

Dr. Ruperto Hector Lindo
MS Biostatistics
UP College of Public Health
[Davao Medical School Foundation]

Ms. Ma. Theresa Pia Yap
MS Pharmacy
UP College of Pharmacy
[Bureau of Food and Drugs]

Dr. Lorna Abad
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP Philippine General Hospital]

Dr. Marissa Orillaza
MS Clinical Epidemiology
U-CM Department of Clinical
Epidemiology
[FEU Nicanor Reyes Medical
Foundation]

Dr. Roberto Ruiz
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP Philippine General Hospital]

Dr. Revelyn Cayabyab
MSPH Epidemiology
UP College of Public Health
[Regional Health Office No. 1]

Ms. Nonita Cerillo
MS Statistics
UP Statistical Center
[Research Institute for Tropical
Medicine]

Dr. Eleanor Galvez
MSPH Epidemiology
UP College of Public Health
[Pamantasan ng Lungsod ng Maynila]

Dr. Rosemarie Flores
MSPH Epidemiology
UP College of Public Health
[Pamantasan ng Lungsod ng Maynila]

Dr. Herman Tolentino
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UP College of Medicine]

Dr. Lyde Alday Magpantay
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UE Ramon Magsaysay Memorial
Medical Center]

Dr. Oscar Cabahug
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UE Ramon Magsaysay Memorial
Medical Center]

Dr. Petrina Zotomayor
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[UE Ramon Magsaysay Medical
Center]

Dr. Sotera Catapang
MSPH Biostatistics
UP College of Public Health
[Cebu Institute of Medicine]

Dr. Erle Castillo
MS Clinical Epidemiology
UP-CM Department of Clinical
Epidemiology
[National Poisons Control & Information
Service]

Dr. Joseph Molina
MS PH Epidemiology
UP College of Public Health
[UE Ramon Magsaysay Memorial
Medical Center]

Dr. Lagrimas Moderes
MS PH Epidemiology
UP College of Public Health
[Pamantasan ng Lungsod ng Maynila]

Research Apprenticeship Projects for CY-2000

New Projects

Randomized clinical trial between Akapulko
(Cassia alata) extract and Clotrimazole Cream
1% in the treatment of Otomycosis
Dr. Bernabe Mendoza
Davao Medical Center

Mercury determination among fifty dentists in
Quezon City
Dr. Josefina V. Mariano
Notre Dame of Dadiangas College

Ongoing Projects

Safety, efficacy and quality studies on selected
herbal medicinal products in Davao City
Ms. Ludivina Portigo
Immaculate Conception College

The prevalence of hearing impairment among
school children at Cebu Central School
Dr. Arthur Dy
Vicente Sotto Memorial Medical Center

A comparative study of the antibacterial activity
of malunggay plant parts versus cloxacillin on
penicillin resistant Staphylococcus aureus
Ms. Arlene Maceren Diaz
Matias H. Aznar Memorial College of Medicine
Southwestern University

Study of the efficacy of saluyot leaves decoction
as a diuretic agent compared to furosemide
given orally in rabbit
Dr. Fe Acenas Cabugao
Department of Microbiology
Matias H. Aznar Memorial College of Medicine
Southwestern University

The accuracy and reliability of rural health units
microscopic laboratory team in the detection of
malarial parasites
Ms. Thelma Lim
Remedios Trinidad Romualdez Medical
Foundation

Community based approached in the control of
schistosomiasis in newly discovered endemic
areas

Ms. Daisy Perez
Department of Health - Regional Field Office #8
Catalase peroxidase gene mutations in isoni-
azid resistant Mycobacterium tuberculosis
isolates
Ms. Miriam Marzan
University of the Philippines - College of Arts
and Sciences

Prevalence of anti-phospholipid antibodies in
hypertensive Filipino obstetric population
delivered at PGH
Dr. Edward Lim
University of the Philippines - Philippine General
Hospital

Degree of immunohistochemical expression of
cytokeratin B: Its relation to survival of patients
with squamous cell carcinoma of the cervix
Dr. Ma. Lourdes T. Icao
MCU- Filemon D. Tanchoco Medical Foundation

Comparison of two transport systems for
anaerobes formed abscesses
Prof. Marorhen C. Tobias
University of the Philippines - College of Public
Health

Larvicidal metabolites from the seeds of
Anamirta cocculus linn. (laglag): Its isolation
and characterization
Dr. Guillermo Largo
Department of Chemistry
University of San Carlos

Completed Projects

Disabilities among cerebral schistosomiasis patients before and after praziquantrel treatment
Dr. Imelda Balonga
Schistosomiasis Training & Research Division

Waist to hip ratio index and hypertension among Filipino adults
Prof. Lucifino Firmo
University of the Philippines - College of Public Health

The accuracy of transcerebral diameter/ abdominal circumference ration in abdominal fetal growth
Dr. Abigail Elsie D. Castro
Far Eastern University - NRMF

Evaluation of the off-campus MPH programs of UP Manila
Dr. Rafaelita Ong
University of the Philippines - College of Public Health

Effects of Mangagaw on the platelet counts of normal white mice
Ms. Florenda Manalili
Cebu Velez General Hospital

Randomized double-blind placebo controlled study on the efficacy of intravenous 2 gm. MgSO₄ as an adjunct to conventional therapy to acute moderate, to severe exacerbation of asthmatic patients admitted at CVGH from December 1998 - December 1999
Dr. Wilfredo Ypil
Velez Hospital

Hypo-albuminuria associated with poor customs in pediatric patients admitted at the CVGH and St. Vincent General Hospital from December 1997 to December 1998
Dr. Consolacion Cutillar
Cebu Institute of Medicine

Comparison of serum estradiol levels among patients admitted for acute myocardial infarction (AMI) at the CVGH: A case control study
Dr. Alex Junia
Velez Hospital

Knowledge, attitude and practices of the 4th year high school level students in Cebu City regarding sexuality
Ms. Amelia Ortiz and
Ms. Marilou Tobes
Cebu Doctor's College & Hospital

Knowledge, attitude and practices on infection, prevention and control of staff nurses in public and private hospitals in Cebu City
Mrs. Norma Hinoguin
Velez College of Nursing

Risk factors to iodine deficiency among patients at City Health Office, Ormoc
Ms. Luz Calipayan
City Health Office - Ormoc

Factors affecting iron deficiency anemia of 1st year high school students in Biliran National Agricultural School (BNAC)
Mr. Evan C. Tajo
Biliran National Agricultural School

The direct detection of rifampicin-resistance mutations in the RPO gene of the Phil. Mycobacterium tuberculosis isolates by polymerase chain reaction
Mr. Jay Dalet
University of the Philippines - College of Arts and Sciences

Cultured autologous keratinocytes for the treatment of skin ulcers
Dr. Arnelfa Paliza
University of Santo Tomas

Typhoid test: A diagnostic tool for typhoid fever
Dr. Charity Ann Ypil
Cebu Institute of Medicine

Clinical profile of pediatric dengue hemorrhagic fever at EVRMC
Dr. Fidelito Tandinco
Eastern Visayas Regional Medical Center

Projects Assisted by PCHRD

On-going Projects (Monitored)

Development of local dipstick-based enzyme immunoassay for the detection of hepatitis B virus in human blood

*Research Institute for Tropical Medicine
Fe Amor O. Vinculado*

The development of mini ELISA kits for the detection of clinically important antigens and antibodies

*Institute of Sociobiomedical Research, National Institutes of Health, University of the Philippines Manila
Dr. Eduardo C. Lim*

Generation of humanized single gene-encoded antibodies with varied effect or functions for direct use as anti-tumor reagents and for the production of immunoliposomes: Decision

*Institute of Molecular Biology and Biotechnology, University of the Philippines Diliman
Dr. Ameurfina Santos*

Synthesis, physico-chemical and biological characterization of immunoliposomes for tumor cell surface antigen-directed delivery of anticancer drugs: Liprolong

*Far Eastern University NR Memorial Foundation
Dr. Romulo S. de Villa*

Discovery and development of anticancer drugs and other agents for immunoliposome-mediated delivery to breast cancer cells - Philmarina and Philflora

*Marine Science Institute, University of the Philippines Diliman
Dr. Gisela P. Conception*

Discovery and development of anticancer drugs and other agents for immunoliposome-mediated delivery to breast cancer cells - Philcells and Genedeli

*NSRI, University of the Philippines Diliman
Dr. Rhea Samonte*

Discovery and development of anticancer drugs and other agents for immunoliposome-mediated delivery to breast cancer cells - Moltarget and Vitrotox

*Marine Science Institute, University of the Philippines Diliman
Dr. Gisela P. Conception*

New Projects (Assisted)

Pre-clinical scientific validation studies on *Morinda citrifolia* L. (Rubiaceae)

*Department of Pharmacology and College of Pharmacy
University of the Philippines Manila and
Institute of Chemistry, University of the Philippines Diliman*

Dr. Cleotilde How

Aspirin dose optimised in non-cardioembolic ischemic stroke (ADONIS)

Department of Neurosciences, University of the Philippines - Philippine General Hospital

Dr. Robert Gan

A sero-epidemiologic study of hepatitis E virus (HEV) infection in the Philippines: A community-based cross-sectional study

*University of the Philippines Manila Liver Study Group
Dr. Junabeth Credo*

Evidence-based clinical practice guidelines on the management of breast cancer

Department of Surgery, University of the Philippines - Philippine General Hospital

Dr. Ma. Lourdes Matsuda

Towards rationalizing the Philippine pharmaceutical industry: Problems and prospects for reform

Executive Net International

Dr. Emma Valencia

Metabolic effects of local seaweeds extracts II: Lipid and cholesterol levels

College of Home Economics, University of the Philippines Diliman

Dr. Leonora N. Panlasigui

National quality external assessment of clinical laboratories in the Philippines

Philippine Council for Quality Assurance in Clinical Laboratories

Tomas P. Maramba, Jr., M.D., MHA

On-going Projects (Assisted)

Molecular epidemiology of Hepatitis G virus infection in the Philippines

*Department of Biochemistry and Molecular Biology,
College of Medicine, University of the Philippines Manila
Bernadette Libranda-Ramirez, Ph.D.*

Development of cell lines from primary cultures of human cancer tissues

*University of Santo Tomas Research Center for the Natural Sciences
Dr. Gloria Bernas*

Pharmacology/Toxicology studies of the Philippine medicinal plants

*Department of Pharmacology, College of Medicine,
University of the Philippines Manila
Horacio Estrada, M.D.*

Mutagenicity, clastogenicity and anti-mutagenicity potential of drug preparations from the Philippine medicinal plants

*Department of Chemistry, University of the Philippines Diliman
Jaime Villanueva, Ph.D.*

Establishment of quality control bioassay standard procedures for medicinal plant products

*Department of Pharmacology, College of Medicine,
University of the Philippines Manila
Romeo Quijano, M.D.*

Dosage forma from medicinal plant constituents

*College of Pharmacy, University of the Philippines Manila
Natividad de Castro, Ph.D.*

Clinical screening and validation studies of medicinal plants used in traditional folk medicine in the Philippines

*Department of Pharmacology, College of Medicine,
University of the Philippines Manila
Nelia Cortes Maramba, M.D.*

Development of appropriate cultural management to improve yield and quality of selected medicinal plants

*Department of Horticulture, University of the Philippines Los Baños
Prof. Ernesta Quintana*

Cancer pain severity and treatment survey: A study proposal for the Philippines Surgical Oncology Society of the Philippines

Adriano V. Laudico, M.D.

Occupational hazard and illnesses among working women in semiconductor industries at Cavite export processing zones: Baseline gathering and design of a health program

*College of Arts and Sciences, University of the Philippines Manila
Prof. Jinky Leilani Prado-Lu*

Inter-heart - A global control study to identify the risk factors for acute myocardial infraction in different ethnic groups

*University of the Philippines - Philippine General Hospital Manila
Antonio L. Dans, M.D.*

Food and nutrition management during disasters: An ethnographic profile

*Food and Nutrition Research Institute, Department of Science and Technology
Catherine Castañeda, Ph.D.*

Directory of Officials

Governing Council

Chairman

Dr. Filemon A. Uriarte, Jr.
Secretary
Department of Science and
Technology

Vice Chairman

Dr. Alberto G. Romualdez, Jr.
Secretary
Department of Health

Members

Dr. Ernesto O. Domingo
Fellow
Philippine Society of
Gastroenterology

Dr. Abraham F. Pascual
President
Pascual Laboratories, Inc.

Dr. Josefina L. Poblete
Dean, College of Medicine
Cebu Institute of Medicine

Dr. Warlito C. Vicente
Dean
Davao Medical School
Foundation

CHED Representative

Dr. Rodolfo de Guzman
Chairman, Technical Panel for
Health Profession Education
Commission on Higher Education

Ex Officio Members

Ms. Elsa M. Bayani
Executive Director
National Nutrition Council

Dr. Alfredo T. Ramirez
Chancellor
University of the Philippines
Manila

Dr. Pacita L. Zara
Executive Director
Philippine Council for Health
Research and Development

Technical Directors

Dr. Jane C. Baltazar
Dr. Bonifacio C. Dazo
Dr. Adriano V. Laudico
Dr. Fernando S. Sanchez, Jr.
Dr. Victor C. Valenzuela
Dr. Pacita L. Zara

Executive Director

Dr. Pacita L. Zara
Tel. No. 837-2942
plz@pchr.dost.gov.ph

Division Heads

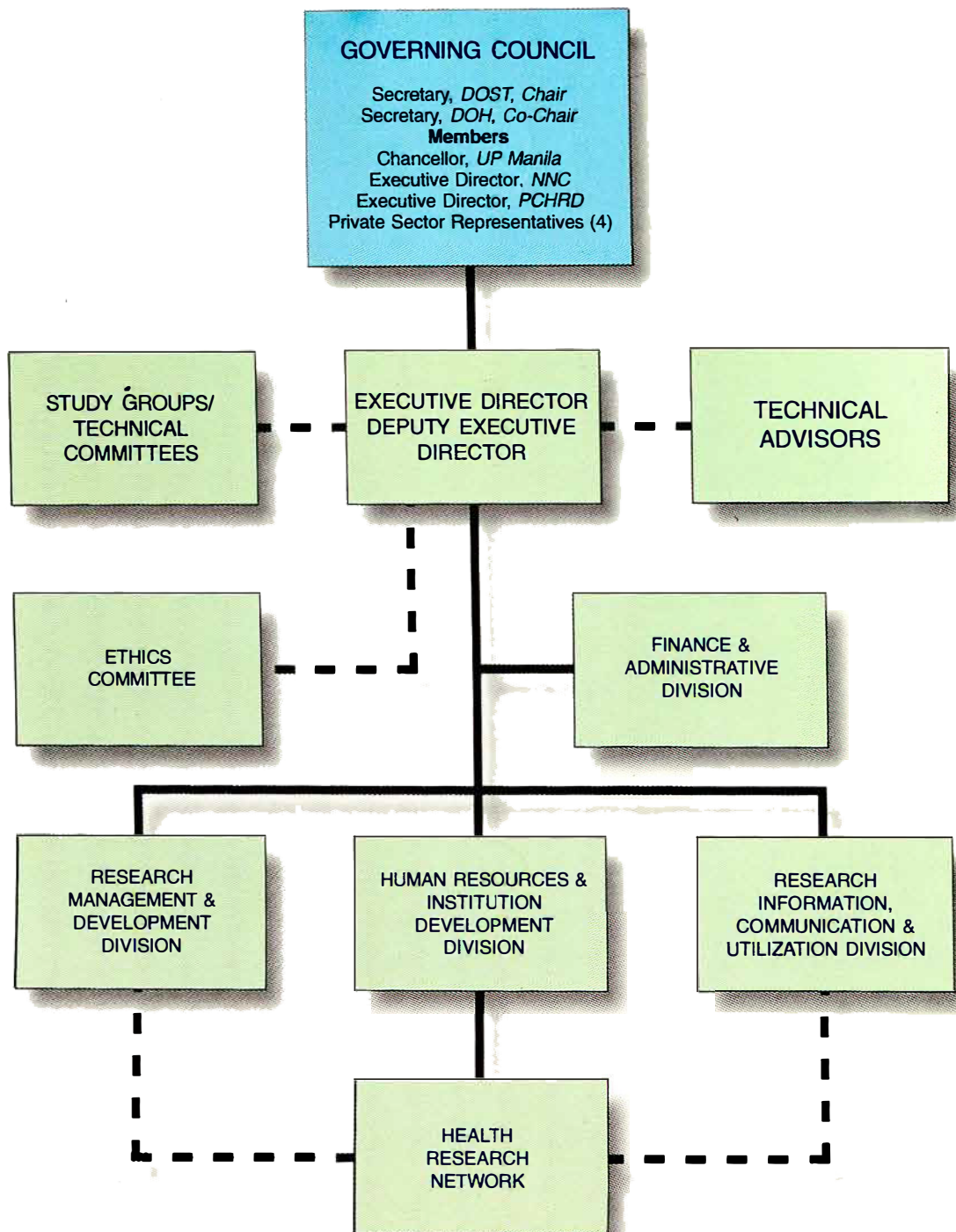
Ms. Emelita N. de Castro
Finance and Administrative Division
Tel. No. 837-7536
enc@pchr.dost.gov.ph

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

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

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

Organizational Structure



PHILIPPINE COUNCIL FOR HEALTH RESEARCH AND DEVELOPMENT
Department of Science and Technology
3/F DOST Main Building, Gen. Santos Avenue, Bicutan, Taguig, Metro Manila, Philippines