



PHILIPPINE COUNCIL
FOR HEALTH RESEARCH
AND DEVELOPMENT

ANNUAL REPORT 1997

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Chairman's Message

It is with pride that I present the 1997 Annual Report of the Philippine Council for Health Research and Development (PCHRD).

Heightened global competition challenges us who belong to the science and technology sector to readily transform our research outputs into value-added products with promising market potentials. PCHRD has certainly lived up to the formidable task by successfully co-venturing with universities, other government agencies, and private institutions in the commercial development of indigenous medication such as sambong, lagundi, and akapulko.

At the same time, credit must also be given to PCHRD for continually gearing S&T's responsiveness to the basic needs of the Filipino people. For instance, the Council's breakthrough IT initiatives now allow easier access to and a more extensive sharing of information and knowledge needed to advance the country's research community.

The enactment of RA 8439 or the Magna Carta for Government S&T Personnel should signal in us a commitment to make science and technology more economically and socially rewarding. Therefore, it is my hope that PCHRD reengineer itself into a more entrepreneurial, forward-looking agency committed to harness S&T for society's broader needs as we stand at the cusp of the next millennium.

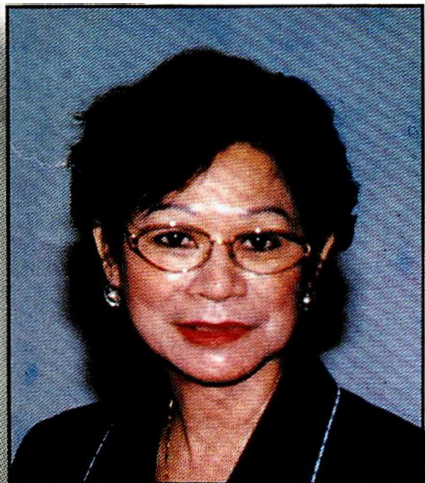
More power to PCHRD!

A stylized, handwritten signature in black ink, appearing to read 'W. Padolina'.

WILLIAM G. PADOLINA
Secretary, DOST and
Chairman, PCHRD Governing Council

A Message from the Executive Director

Listening to what our stakeholders say, this was what we concentrated on in 1997. We dialogued with many groups who have a stake in health care and health S&T through the zonal consultations we started in preparation for the National S&T Congress in 1998 and through our continuing program assessments. We are finishing a national inventory of human and institutional resources to assess if our research resources are at par with the requirements of health care for S&T interventions to be meaningful.



In a way, 1997 also depicted the eve of a great celebration, the 1998 centennial. As an organization, we made sure that we were prepared for the heightened expectations in 1998. We saw to it that we were ready for the events we lined up for 1998; importantly, that we have research results that we can be proud of as our centennial offerings.

On the other hand, we made sure that we keep our organizational history intact. During the National Science and Technology Week celebration, we honored our visionaries and our past leaders in a nostalgic Founders Night.

People come. People go. We always value the fresh ideas that the new and young people bring, as well as the rich experiences and wisdom of our senior staff who retired or who went on to pursue another career track.

Organizationally, there was no doubt that PCHRD grew. The health research network expanded. Only with the help of communications technology like more telephones and the Internet were we able to cope with the expanded work of coordination.

With the help of our partners, PCHRD, amidst the environmental changes, will recreate itself in forms that respond to the new demands on health S&T in the Philippine society, in particular; in the global village, in general.


PACITA L. ZARA, M.D.
Executive Director

How things were in 1997...

The Council continued its balancing act, responding to the demands for innovation to improve health care delivery and the shrinking budget allocation brought about by government-wide call for austerity in the light of the region's currency crisis.

Despite the constraints, new initiatives were undertaken. Existing programs were expanded. Importantly, PCHRD started its bottoms-up approach in updating the country's research agenda. In a sense, PCHRD underwent a SWOTing exercise, assessing its strengths, weaknesses, opportunities and threats. Getting to the bottom of what research to do to establish a clear presence in the health community, the Philippine and global markets.

Building a market presence

Good consumer recall and brisk sales of lagundi (Ascof) and sambong (Releaf) were noted as Pascual Laboratories, Inc. (PLI), through its sub-

sidary, *Altermed*, aggressively marketed the products to the health professionals and general public alike. Between January to November 1997, PLI sold over one million pesos of Ascof at P1.50 per tablet.

Salbutamol tablet, its commercial counterpart, sells from P1.90 to P 2.40 per tablet. On the other hand, close to half a million pesos of Releaf (at P 1.85 per tablet) was sold from August to November. The standard therapy for treating stones in the upper urinary tract is lithotripsy. In a government hospital, this procedure costs P 2,000.00 per session; in an upscale hospital, depending on the size of the stone and the health professional, the procedure costs P 40,000.00 upwards.

PLI achieved international recognition as it bagged the silver medals for its exhibits on lagundi and sambong in the 25th Salon International Des Inventions (International Exhibition of Inventions, New Techniques and Products) held in Geneva, Switzer-

land last April 11-20, 1997. These Philippine entries bested more than 100 other products and inventions in Europe's biggest and most prestigious exhibit.

The international recognition was attributed by Altermed, a PCHRD technology adopter, to the strong scientific back-up of lagundi and sambong. The technologies were a result of studies by a multi-disciplinary group of researchers under the National Integrated Research Program on Medicinal Plants (NIRPROMP) led by Dr. Nelia Cortes-Maramba of the UP College of Medicine, Department of Pharmacology.

Prospecting for technology adopters

Testing the waters in the global market, the Council explored possible collaboration with multinational companies on *Atis* mosquito repellent lotion technology. Laboratory and field trials showed that the *Atis* Mos-



quito Repellent Lotion is effective in repelling *Aedes aegypti* and *Culex quinquefasciatus* mosquitoes. It provided protection time of more than an hour, comparable to that afforded by a commercially available insect repellent.

Up for transfer also are the technologies on akapulko lotion and the enhanced hemoglobinometer kit.

Akapulko lotion (patent number UM-13684) is an antifungal that is a clinically-proven effective substitute for 25% sodium thiosulfate and is cheaper than the top selling antifungal.

The **Enhanced Hemoglobinometer Kit** (patent number 50907) is capable of determining hemoglobin, glucose and cholesterol and is ideal for field use. The technology for the kit was also developed at one third the price of an imported one.

Within the year, an aggressive information campaign among researchers was made with regard to *intellectual property rights*. In a symposium with technology generators last May 8, 1997, IPR concerns were discussed by resource persons from Bureau of Patents, Technology Transfer and Trademarks and patent lawyers.

Harnessing peoples' research creativity

Expanding the number of health researchers to contribute to a total country figure of 380 scientists, engineers and technicians per million population (UNESCO standard) continues to be a Council priority.

Peopleware, this will define the Philippine edge, in particular, the health S&T edge if we are to become the knowledge hub and the medical center of Asia.

PCHRD, through its human resource development program encourages people to get into research tracks through its various grants and incentives schemes. Scholarship grants. Dissertation grants. Research fellowship grants. Postgraduate studies grants from the Bases Conversion Fund. Research grants through its Regional Research Fund and the Biomedical Research Training Program. Research facilities grants.

For 1997, 30 new scholars joined 77 on-going grantees, 11 of this total number completed their graduate degrees during the year. In addition, six research fellows started work with host scientists in UP and UST.

Through DOST's share of the Bases Conversion Fund, five scholars in the health sciences were given the op-

portunity to pursue PhD and postdoctoral studies in the US and in Europe.

Incentives as rewards for research excellence were given to the following:

GRUPPO MEDICA AWARD FOR OUTSTANDING RESEARCH IN HERBAL MEDICINE

First Prize

An Evaluation of the Anti-helminthic Activity of *Momordica Charantia* Linne (Fam. Cucurbitaceae) Leaves:
An In-vitro Technique
Ma. Dulce Solomo
UP College of Pharmacy

Second Prize

Evaluation of Selected Medicinal Plants against *E. Coli*
Manuel Castillo, Jeth Calagui,
Jason de Guzman
Central Luzon State University

Third Prize

Effects of Extracts of *Dioscorea Alata*



on the Blood Glucose Levels
of Normal and Thiazide-Diabetic
Mice

Jacqueline Lourdes Leonor
UP College of Pharmacy

POSTER EXHIBITS ON HEALTH AND RELATED TECH- NOLOGY

Professional Category

The utilization of a locally-isolated
luminous bacterium: *Photobacterium*
leiognathi USTCMS 2116 as biosen-
sor for the rapid detection of chemi-
cal toxicants in water samples

Dr. Fortunato Sevilla and
Mr. Edward Quinto
University of Sto. Tomas

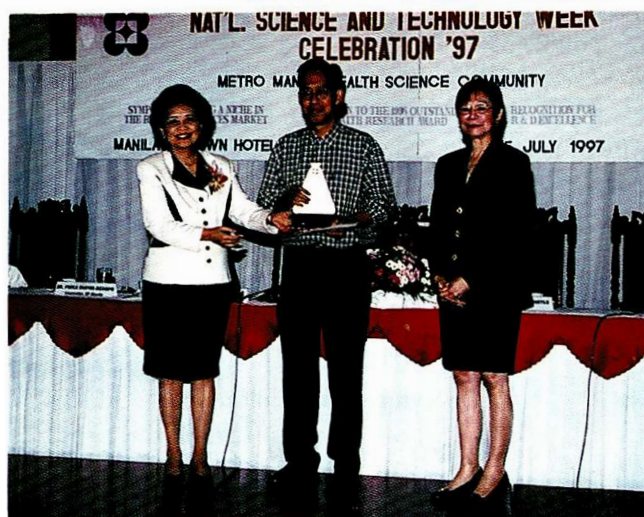
Student Category and Best Packaged Technology

The polyvinylidene plastic as an alter-
native dressing for skin graft donor
sites: a case series

Drs. Eric Arcilla and
Gerardo Germar
University of the Philippines- Manila

PHARMACEUTICAL HEALTH CARE ASSOCIATION OF THE PHILIPPINES (PHAP) STUDENT RESEARCH AWARD IN MEDICINAL PLANTS

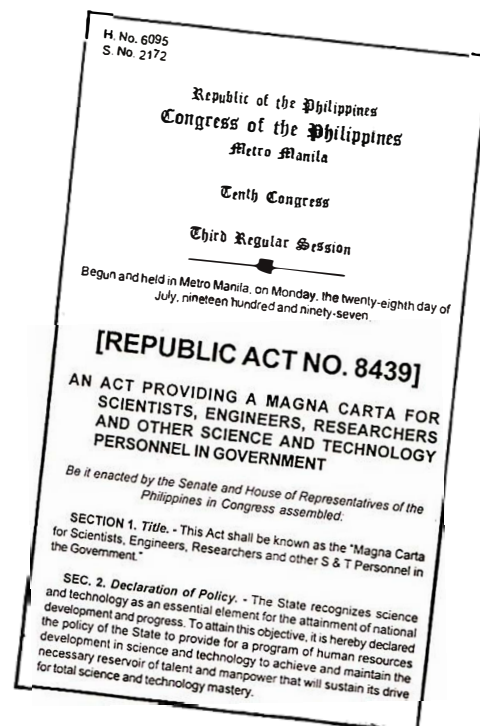
Teresa Espinosa
College of Pharmacy
University of the Philippines- Manila
Jeremy Jones Robles
College of Medicine
Cebu Institute of Medicine
Elizabeth Rosmarino
College of Medicine
Cebu Institute of Medicine



A breakthrough legislation, the Magna Carta for Scientists working in govern- ment

With the State's recognition of S & T
as an essential element for the attain-
ment of national development and
progress, Congress passed Republic
Act 8439 in July 1997 that provided
a Magna Carta for scientists, engi-
neers, researchers and other science
and technology personnel in govern-
ment.

The law provides for, among other
things, the establishment, promotion
and support of science and engineer-
ing scholarship programs, improve-



ment of the quality of science and engineering education, popularization of science culture, and the provision of incentives for pursuing careers in S & T.

In some of the benefits cited in the law, scientists may provide consultancy and be paid for it on top of their regular salaries without being considered as receiving double compensation. They may be seconded to the private sector for one year without losing their security of tenure and seniority rights. These particular provisions are allowed as long as they do not jeopardize or adversely affect the operations of the scientists' originating office.

Empowering the regions



In CARAGA, the country's newest region, PCHRD helped in developing and upgrading their research capability through training on research methods, and providing research updates on malaria and schistosomiasis. The installation of electronic connectivity and Internet links among the identified cooperator institutions was also started.

In Regions 7, the Cebu Institute of Medicine (CIM) is taking on a big brother/big sister role in encouraging other organizations in the region as well as in Southern Philippines to develop their research capability. A spin-off training program on biomedical research has been started by CIM for Region 7 and the neighboring regions in the south. PCHRD can, thus, say that, in this respect, its investment in Region 7 has borne fruits.

In the National Capital Region, the Metro Manila Health Science Community gave emphasis on its members' requirements for instrumentation. A training on high pressure liquid chromatography was conducted with resource persons from the academe and industry.

As PCHRD continued its capabil-

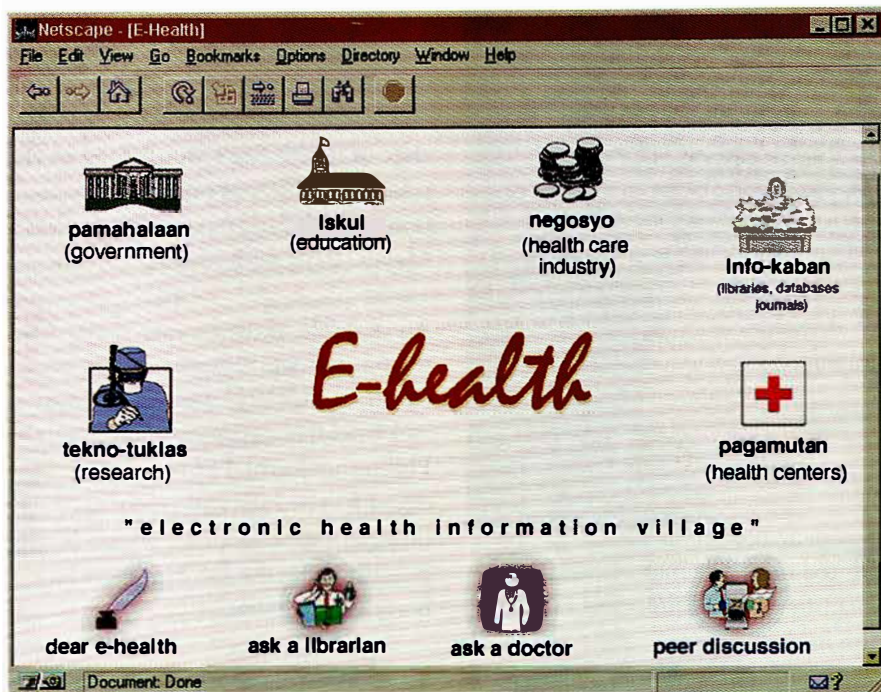
ity development programs in Regions 6,8, and 11, it also asked of itself whether it should expand to other regions or change its strategies in its regional operations. An assessment of its regional and science community operations is on-going.

Building information and knowledge bases, the *e-Health* initiative

Knowledge — manifested as data, information, symbols, images, culture, ideology and values — is today's new factor of production. The new measure of a country or an organization's assets is, therefore, its capacity to acquire, generate, distribute and apply knowledge strategically and operationally.

The merger of computing, telecommunications, and multimedia creates new products and services which are distinct to the information or knowledge-based society. Noting this fact and considering the more sophisticated demand of users in the health community who are now exposed to information technology like the Internet and the Worldwide Web, the Council brought to a higher level its HERDIN initiative.

In 1997, PCHRD launched its *e-Health* initiative, the building of an electronic health information village. In this village, the generators, processors, providers, and users of information interact and build information resources. Together with the latter capabilities, *e-Health* aims to foster a sense of community, a feature of humanity which we don't want to lose in the electronic environment.



With the empowering nature of information and the Internet, the building process is fast-tracked with PCHRD helping organizations and groups help themselves in building the information they need on the Net.

PCHRD, as the village convenor, started working with the Malaria, Tuberculosis and Biomedical Devices Study Groups; the Philippine College of Surgeons; the Medical and Health Librarians Association. The choice of these groups stemmed from a combination of reasons -- the area is a priority program, there is a good starting material, or there are champions who can carry on the work within each group.

Each of these groups will build the various *e-Health* components: databases, directories of people and organizations, journal publishing, health advisories, discussion groups, Ask a Health Professional corner, and the libraries.

Enhancing participation in and support for health research by keeping the stakeholders informed

Health professionals and the general public alike have a stake in health S&T. Only if people are better informed are they able to participate and support programs, PCHRD programs, in particular.

To address this concern, the Council used various approaches in touching base with its clients like personal interactions, publications, technology fairs, exhibits, conferences, symposia, meetings, press conferences, linkages with the tri-media, and the use of information technologies.

Through its HERDIN online databases, 3,504 users were reached from 7,893 search requests received. By using the Worldwide Web, PCHRD continued to give health advisories on pressing health concerns.

During the technology fairs in

Visayas (Bacolod) and in Mindanao (Davao), the following technologies were put on exhibit; the same information were also carried in the PCHRD Kiosk which was placed on the centerpiece:

Human Cell Culture Technology that aims to establish a minimum of ten cell lines from primary cultures of various human cancer tissues;
Anti-Hepatitis B Core kit that will ensure the safety of blood supply since it functions as a screening tool for determining Hepatitis B virus in blood samples; and,
The Red Tide Toxin Monitor, which is envisioned by its proponents to replace the mouse bioassay technique that is currently being used for moni-



toring red tide infestation.

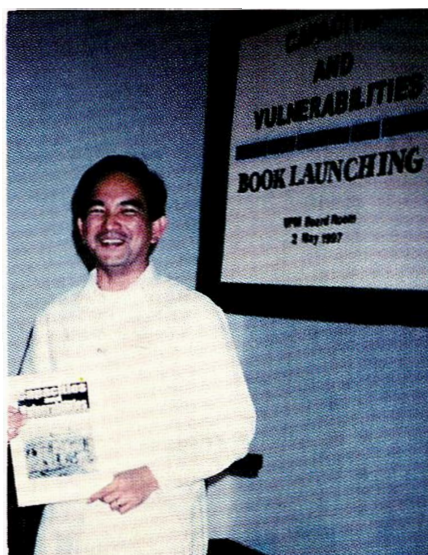
Research forum

PCHRD continued to be an active convenor and supporter of research forums as a way of disseminating research results and as a way of bringing together the many players in health S&T to a consultation. Among these forums were the 4th International Congress on AIDS, the National Malaria Congress, the Seminar on Vaccine Technology and Production in the Philippines, Workshop on Cloning, a Symposium on S&T Investment in the Education of Health Professionals, the Inter-regional Presentation of Researches undertaken under the Regional Research Fund facility, among other things.

Discussions during research forums also come out as policy statements. The Workshop on Cloning, for example, issued a resolution calling for a moratorium on all experiments on cloning of human individuals until ethical, legal, religious, and medical aspects have been studied. The resolution which was formulated by the Ad Hoc Committee on Cloning is now being refined into policy statements by the PCHRD's National Ethics Committee.

Publication grants

PCHRD has an ongoing program that provides financial assistance for the publication of deserving monographs, books, and other



printed materials that will add to the scientific and technological information in the country.

In 1997, PCHRD provided a grant to finance the preparation and printing of the book Capacities and Vulnerabilities: Disaster Health Management in the Philippines edited by Drs. Arturo M. Pesigan and Lurenda Suplido. The book is a compilation of technical papers on the impact of various disasters to the health of Filipinos. It also documents five to six years of research and direct experiences in the field of disaster management by health specialists.

Health S&T publishing

How can PCHRD help improve the

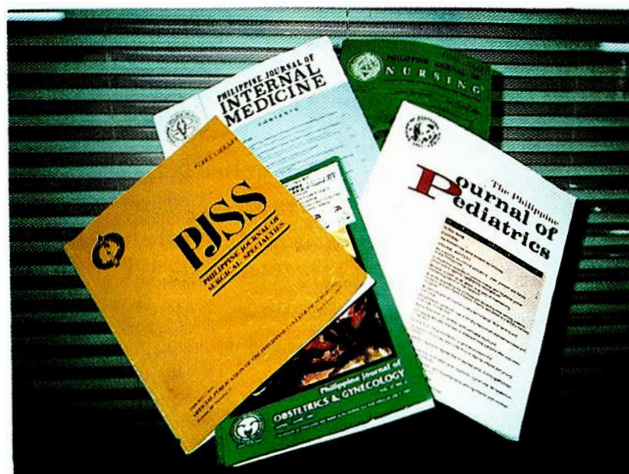
state of health S&T publishing in the country? This was one of the questions raised during consultation last May 5, 1997 with journal editors.

An example of the quality issue. Of the 65 journals in health that's indexed by PCHRD and inputted to its HERDIN databases, only one, the Philippine Journal of Nursing, is indexed by the internationally renowned Index Medicus which is published by the US National Library of Medicine.

To address this concern, PCHRD is now working on a package of incentives that will improve on the productivity and quality of research publication.

Building partnerships, consolidating resources

With this generation's health concerns transcending the boundaries of gender, nationality, socio-economic parameters, and geography, the need has become more urgent to consolidate resources with other agencies and institutions to address what have become common concerns, especially in health care.



Science's collegial relationship on the works

Collegial relationships. Peer groups. These features describe well the study groups in malaria, TB, and biomedical devices.

The Biomedical Devices Study Group took on a stronger footing after a sym-

posium last July 15, 1997 as it identified a niche in the biomedical devices market. Succeeding meetings of the researchers with their partners from the engineering schools, medical centers and manufacturing companies enabled them to establish two research tracks -- diagnostics and laboratory equipment, and orthopedic devices. On the other hand, the efforts of the study group on malaria culminated in a National Congress for Malaria last November 20-21, 1997.

The private sector as a S&T partner

The private sector participated in S&T in various ways. They came as co-sponsors of contests that reward excellence in research. The 1997 poster exhibit contest had the Philippine Charity Sweepstakes Office, Pascual Laboratories, Inc., Natrapharm, and Resins Philippines as co-sponsors. The following earmarked some monies as research incentives: the Marsman Foundation for a professorial chair in Pharmacology; Gruppo Medica for the best undergraduate thesis in chemistry and pharmacy; and the Pharmaceutical Health Association of the Philippines for the best student research in medicinal plants.

The private sector also came as research collaborator, and as research investor, like in the case of the ibuprofen research program where United Laboratories, the UP System, and PCHRD worked on an industry-driven project.

At the other end of the research spec-

trum, they (private sector) adopt the results of research and bring these to the commercial arena down to the health product and service consumers. A good example of the latter are Pascual Laboratories and Medtest Systems.

Working towards global partnerships

Local
consultations
were held to
get a real
picture of the
local
situation

As the concept of one global village becomes a reality, the PCHRD is, correspondingly, expanding its partnership to an international level. In this arena, the Council forges both formal and informal linkages.

On a bilateral level, a Memorandum of Understanding (MOU) was signed between Fyodorov (Russia) and the Philippine S&T community for the transfer of unique Russian eye micro-surgery to Filipino ophthalmologists.

Some of the components of this bilateral agreement included 1) identifying the UP Manila Institute of Ophthalmology as the counterpart agency of Fyodorov (IRTC), 2) issuance of a special permit to Russian ophthalmologists, and 3) a multi-stage implementation process on the MOU.

Setting a Philippine Health S&T agenda, bottoms-up

An organizational meeting with the zonal convenors last September 12, 1997 marked the kickoff of the bottoms-up approach in setting an updated Health S&T Plan. The country was divided into six zones where local consultations were held to get a real picture of the local situation in terms of what research to undertake to address major health problems; what human and institutional resource to develop and strengthen to pursue the needed research; and how the results of research can be translated into actual knowledge, policies, and products. By the end of the year, several regional consultations were already conducted by the convenors.

The zonal consultations will culminate in a National Health S&T Congress in November 1998.

Related inventory activities which aim to assess the present level of human and institutional S&T resources were also undertaken. A comprehensive survey at the national level, and a more focused one for biomedical devices were conducted.

The PCHRD Secretariat, getting more services for less resources

Celebrating its 15th year, PCHRD has expanded its reach within the health research network. With new programs and initiatives, new alliances and linkages were formed.

The Council's personnel complement, however, stood at its 1982 level of 71 as per approved plantilla. The actual number of personnel that staffed the secretariat last year was 64 - 38 technical and 26 non-technical; gender-wise, 46 female and 18 male.

In order to deliver more services with few staff, the Council encouraged its staff to go on advanced studies to learn and re-tool themselves technology and management-wise. Fourteen of the staff hold masters degree or higher. Seven are pursuing masters degree and one a doctoral degree.

The other strategy used by PCHRD, in response to the increasing demand for its services, is by using information technology as a productivity tool. The Council used extensively its local and wide area networks and its Internet links. Slowly, it's car-marking resources towards a 1:1 staff-computer ratio.

Alice starts a new adventure, a life after retirement from government service

After 43 years of service in government, Alice bids PCHRD goodbye, formally. Informally, though, she'll continue to be with the Council as its resource person in research management. Within the DOST System, Alice had worked with the Food and Nutrition Research Institute, the then National Science and Development Board and the National Science Technology Agency, and in the last 15 years, with PCHRD.

Alice is a pioneer at PCHRD. She's considered to be one of the people who holds the Council's institutional memory. The PCHRD family,



Alice's family, classmates and friends paid tribute to a lady whose work ethics set the standard for the Council's culture of excellence last November 4, 1997. To Alice, "all the best."



PCHRD's Founders Night

During the National Science and Technology Week celebration last July 15, 1997, PCHRD honored the men and women who helped shaped PCHRD to what it is today. In recognition of its founders, PCHRD gave its token of appreciation to the first technical directors, first members of its Governing Council, and the first executive director.



First members of the PCHRD Governing Council : Dr. Emil Q. Javier, Dr. Antonio N. Acosta, Dr. Florentino Herrera, Jr., Dr. Paulo C. Campos, Dr. Perla D. Santos-Ocampo, Fr. Emeterio J. Barcelon, S.J., Ms. Delfina B. Aguillon, Dr. Juan F. Torres, Dr. Alberto G. Romualdez

First technical directors : Dr. Victor C. Valenzuela, Dr. Generoso F. Basa, Dr. Antonio C. de Jesus, Dr. Augustus C. Damian, Dr. Alberto G. Romualdez.

First executive director : Dr. Alberto G. Romualdez



PCHRD finances

In the last five years, the Council saw an increasing trend of its budget allotment from government which, in 1997, was at PHP 39.2M. An additional PHP 0.9M was generated from external sources. Most of the external funds came as co-sponsorships of research awards.

Of the total government allocation, 29% was earmarked for general administration, 22% for operations and 49% for grants-in-aid.

Of the grants-in-aid, almost an equal amount were funneled to R&D (42%) and human resource development (46%) projects. The remainder was spent on technology delivery programs.

All set for the 1998 centennial

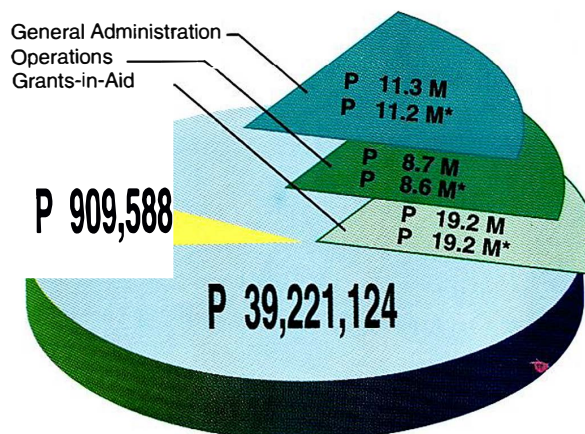
Setting the stage for the centennial celebration in 1998, this was the essence of PCHRD activities in 1997. In a way, we felt that the centennial year gives us a launching pad to reiterate our commitment to our countrymen – to generate new and or better knowledge, products and services that will help them improve their health, hence, their quality of life.

The centennial is also a time to show the world that Philippine health S&T is one with its users, its markets, and the global village. The Philippine health S&T as an active partner in human and societal development is, indeed, an important player in the 21st century.

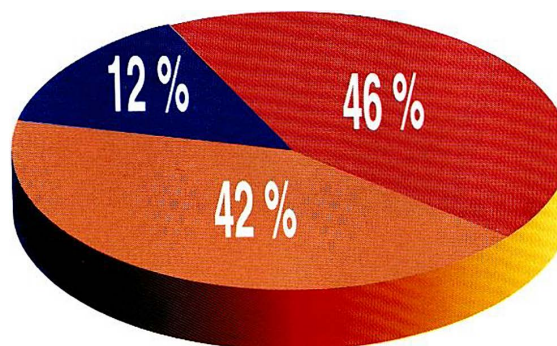
	Total Allotment	Total Expenditure
General Appropriation from Gov't		
General Administration	11,278,724	11,163,359
Operations	8,721,000	8,643,525
Grants-in-aid	19,221,400	19,221,328
R&D	8,114,600	8,114,600
Techno Delivery	2,266,929	2,266,929
STET	8,839,870	8,839,799
TOTAL	39,221,124	39,028,213
Funds Generated from Other Sources	909,588	702,086
GRAND TOTAL	40,130,712	39,730,300

1997 PCHRD RESOURCES

Total Allotment from Government	P 39,221,124
Funds from External Sources	P 909,588



* Expenditures



PCHRD Grants-in-Aid

Research and Development	P 8,114,600
Techno Delivery	P 2,266,929
S & T Education and Training	P 8,839,870

ANNEXES

RESEARCH PROJECTS UNDER THE REGULAR PROGRAM

STAND (S&T Agenda for National Development)

BIOMEDICAL DEVICES

Enhancement of the Capability of a Locally Fabricated Hemoglobinometer for Analysis of Other Blood Constituents, Phases I and II
Dr. Fortunato Sevilla
Research Center for the Natural Sciences, University of Santo Tomas
Completed

The Development of a Prototype for Continuous Passive Motion (CPM) Machine
Eng. Renato P. Nuguid
Dr. Rafael C. Bundoc
Designs and Systems, Inc. /
Department of Orthopedic Surgery
Philippine General Hospital, University of the Philippines, Manila
Completed

ENVIRONMENTAL & OCCUPATIONAL HEALTH

An Assessment of the Ambient Air Quality in Iligan City Using Standard and Phytomonitoring Methods
Dr. Leticia U. Colmenares
Prof. Jessica Lavina
Iligan Institute of Technology, Mindanao State University
Ongoing

Risk Assessment of Major Industries Located at the Subic Bay Freeport Zone
Ms. Gloria A. Asper
Industrial Technology Development Institute, Department of Science and Technology
Ongoing

Somatic Mutation in Peripheral Blood

Lymphocytes Among Metro Manila Residents : Indicator of Exposure to Environmental Pollution
Mrs. Ma. Teresa Nareza-Yulo
Philippine Nuclear Research Institute
Department of Science and Technology
Ongoing

MEDICINAL PLANTS

Toxicity and Stability Studies on Atis Repellent Lotion
Prof. Ileana RF Cruz
College of Pharmacy, University of the Philippines, Manila
New

Clinical Screening and Validation Studies of Medicinal Plant Products Used in Traditional Medicine in the Philippines
Dr. Nelia C. Maramba
Department of Pharmacology, College of Medicine, University of the Philippines, Manila
Ongoing

Dosage Forms from Medicinal Plant Constituents
Dr. Natividad de Castro
Department of Industrial Pharmacy, College of Pharmacy, University of the Philippines, Manila
Ongoing

Establishment of Quality Control Bioassay Standard Procedure for Medicinal Plant
Dr. Romeo Quijano
Department of Pharmacology, College of Medicine, University of the Philippines, Manila
Ongoing

Mutagenicity, Clastogenicity and Antimutagenicity Potential of Drug Preparations from Philippine Medicinal Plants
Dr. Clara L. Sylianco
Institute of Chemistry

College of Sciences
University of the Philippines, Diliman
Ongoing

Pharmacologic and Toxicologic Studies of Philippine Medicinal Plants
Dr. Horacio Estrada
Department of Pharmacology, College of Medicine, University of the Philippines, Manila
Ongoing

Phase III Multicenter Study of Vitex negundo L. (Lagundi) Syrup Against Placebo in Pediatric Patients with Acute Cough of Moderate Severity
Dr. Estrella P. Villar
Department of Pharmacology, Faculty of Medicine and Surgery, University of Santo Tomas
Ongoing

NUTRITIONAL PRODUCTS

Vitamin A Fortification of Coconut Cooking Oil
Dr. Lydia M. Marero
Food and Nutrition Research Institute
Department of Science and Technology
Ongoing

PHARMACHEMICALS

Kinetic Resolution of Ibuprofen Using Commercial, Plant / Animal and Microbial Enzymes
Dr. Milagros M. Peralta
Dr. Ma. Jamaica R. Revilla
Institute of Chemistry
University of the Philippines at Los Baños
Ongoing

Technological Development of Processes for the Production of High Enantiometric Excesses of the (S) - (+) - Ibuprofen Using Physical, Chemical and Functionalized Polymers
Dr. Florentino C. Sumera

Dr. Leonorina G. Cada
Dr. Eva Marie A. Ratilla
Institute of Chemistry
University of the Philippines, Diliman
Ongoing

VACCINES / OTHER BIOLOGICALS

Development of an Immunodiagnostic Test for the Detection of Antibodies Against Hepatitis B Core Antigen in Serum

Dr. Bernadette L. Ramirez
Research Institute for Tropical Medicine
Department of Health
Completed

Production of Radiation-Sterilized Amnions for Clinical Application
Ms. Zenaida M. de Guzman
Ms. Mito M. Tolentino
Mr. Darryll A. Maravilla
Philippine Nuclear Research Institute
Department of Science and Technology
Completed

Development of Cell Lines from Primary Cultures of Human Cancer Tissues
Dr. Gloria C. Bernas
Research Center for the Natural Sciences, University of Santo Tomas
Ongoing

Other Priority Areas

COMMUNICABLE DISEASES

Clinical Spectrum of Hepatitis C Virus Infection in the Philippines : Molecular Biological Aspect
Dr. Mary Ann D. Lansang
Clinical Epidemiology Unit, University of the Philippines, Manila
New

Type of Yeasts and Drug Resistance of Clinical Isolates in the Philippines

Dr. Glenn S. Bulmer
Department of Laboratory Medicine,
Faculty of Medicine and Surgery
University of Santo Tomas
New

Open-Labelled Randomized Control Trial and Economic Evaluation of Selected Anti-microbial Regimens in the Outpatient Treatment of Community Acquired Pneumonia in Adults

Dr. Mediadora C. Sanie
Department of Medicine - Philippine General Hospital, University of the Philippines, Manila
New

Efficacy of M. vaccae and an Immunotherapeutic Agent in the Management of Pulmonary Tuberculosis
Dr. Jaime C. Montoya
College of Medicine, University of the Philippines, Manila
Completed

A Study of Patient Compliance to Tuberculosis Treatment Regimen
Dr. Ma. Sandra B. Tempongko
College of Public Health, University of the Philippines, Manila
Ongoing

Comparison of Quadruple (2RHZE / 4RH) versus Triple (2RHZE/4RH) Short Course Treatment for Tuberculosis in the Philippines : A Multi-Center Study
Dr. Charles Y. Yu
Angelo King Medical Research - De La Salle University
Ongoing

DEGENERATIVE & METABOLIC DISORDERS

Metabolic Effects of Local Seaweed Extracts I. Blood Sugar Levels
Dr. Leonora N. Panlasigui
College of Home Economics, University of the Philippines, Diliman
New

Cancer Pain Severity and Treatment Survey : A Study Proposal for the Philippines

Dr. Adriano V. Laudico
Surgical Oncology Society of the Philippines
New

A Comparison of the Clinical Scoring System and the Rapid Shallow Breathing Index in Predicting Success in Weaning Patients on Mechanical Ventilation
Dr. Abundio A. Balgos
College of Medicine, University of the Philippines, Manila
Completed

Prevalence of Congenital Hypothyroidism Among Newborns
Dr. Carmelita F. Domingo
Dr. Joy E. Lee
Dr. Eva Maria C. Cutiongco
Dr. Carmencita D. Padilla
Department of Pediatrics - Philippine General Hospital, University of the Philippines, Manila
Completed

Cytogenetic Characterization of Childhood Leukemias in Selected Tertiary Hospitals in Metro Manila
Dr. Ma. Luisa D. Enriquez
Research and Biotechnology Division
St. Luke's Medical Center
Ongoing

The Practice of Cancer Pain Management Among Physicians in the Philippines

Dr. Adriano V. Laudico
Surgical Oncology Society of the
Philippines
Ongoing

NUTRITION

Updating of Nutritional Status of
Filipino Children at the Provincial Level
Mrs. Garcia M. Villavieja
Food and Nutrition Research Institute
Department of Science and Technology
Completed

Dr. Salvador R. Salceda
Institute of Ophthalmology, Philippine
General Hospital, University of the
Philippines, Manila
Ongoing

Development of National Consensus
Guidelines for the Management of
Tuberculosis
Dr. Renato B. Dantes
Tuberculosis Council of the Philippine
College of Chest Physicians
Ongoing

GENDER / POLICY STUDIES

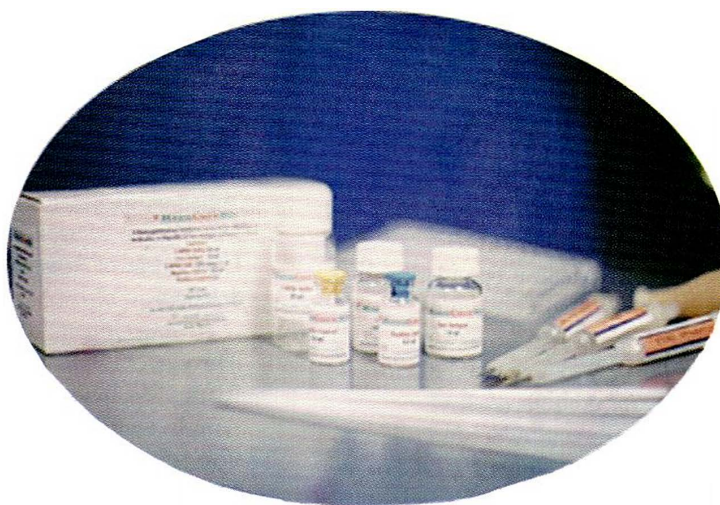
Evaluation of the National Integrated
Research Program on Medicinal Plants
Dr. Ophelia M. Mendoza
Institute for Training, Evaluation and
Research
New

Towards a Holistic and Gender Balanced
Understanding of Developmental
Concerns in the Philippines: A State of
the Art Review of Women's Health with
Male Participation
Dr. Romeo B. Lee
Social Development Research Center
De La Salle University
New

State of the Art : Occupational Health
Dr. Arturo Pesigan
College of Public Health, University of
the Philippines, Manila
New

Development of an Interdisciplinary
Code of Ethics in Reproductive Health
Research
Ms. Cristina E. Torres
College of Arts and Sciences, University
of the Philippines, Manila
Ongoing

Situational Analysis for Eye Diseases
R & D Program



NEW PROJECTS UNDERTAKEN BY BEGINNING RESEARCHERS

Training Program on Biomedical Research Methods

Completed

NCR

A KAP Survey on Medicine Use for Common Ailments Among Grade 6 Filipino Students
Dr. Emelita Gan
UST Faculty of Medicine and Surgery

Pattern of Initial Drug Resistance of Mycobacterium tuberculosis Among Patients with Pulmonary Tuberculosis
Dr. Julieta Dizon
MCU Filemon D. Tanchoco Medical Foundation

Region 7

Study on the Effects of Simvastatin and Avocado Fruit Flesh on the Level of LDL-Cholesterol Among Hypercholesterolemic Rabbits
Dr. Melfer Montoya
Cebu Institute of Medicine

Ongoing

NCR

The Nafroxen Test in the Causative Differentiation of Prolonged Fever
Dr. Eduardo Caguioa
UST Faculty of Medicine and Surgery

Clinical Profile of Filipino Geriatric Patients Seen in

FEU Hospital: Application of a Comprehensive Geriatric Assessment Protocol
Dr. Vic Filoteo Chua
FEU Nicanor Reyes Memorial Foundation

Adverse Drug Reactions to Antipyretics, Analgesics, Anti-inflammatory Agents, Anti-Asthmatics and Anti-convulsants Among Pediatric Patients at the UERMMMCH Hospital-Emergency Room
Dr. Ronaldo Macaraig
University of the East Ramon Magsaysay Memorial Medical Center

Catalase Peroxidase Gene Mutations in Isoniazid Resistant Mycobacterium Tuberculosis Isolates
Ms. Miriam Marzan
UP College of Arts and Sciences

The Direct Detection of Rifampicin Resistance Mutations in the RPO Gene the Philippine Mycobacterium Tuberculosis Isolate by Polymerase Chain Reaction
Mr. Jay Dalet
UP College of Arts and Sciences

The Prevalence of Chronic Respiratory Illnesses and Reduced Ventilatory Function Among Garment Workers Exposed to Cotton Fibers
Dr. Sonny Matias Habacon
FEU Nicanor Reyes Memorial Foundation

A Descriptive Study on the Knowledge, Attitudes and

Practices of QC Dental Society
Private Practitioners on Dental Waste Management
Dr. Jessica Santos
UP College of Dentistry

Degree of Immunohistochemical Expression of Cytokeratin 13-its Relation to Survival of Patients with Squamous Cell Carcinoma of the Cervix
Dr. Ma. Lourdes T. Irao
MCU Filemon D. Tanchoco Medical Foundation

Comparison of Ipil-Ipil (*Leucena leucocephala*) Seed Suspension, Papaya (*Carica Papaya*) Seed Suspension and Pyrantel Pamoate Suspension as Anti-Helminthics Among the MCU Grade School Students with Ascaris
Dr. Catherine Geronella
MCU Filemon D. Tanchoco Medical Foundation

An Assessment of the Effectiveness of the Preventive Incremental Dental Care Program at The UP Integrated School
Dr. Elizabeth de Castro
UP College of Dentistry

A Study of Knowledge, Attitude and Behavior Towards Reproductive Health Among Women who Had Elderly Pregnancy in Metro Manila
Ms. Esmeralda Perez
UP College of Arts and Sciences

Waist to Hip, Ratio Index and Hypertension Among Filipino Adults
Mr. Lucifino Firmo
UP College of Public Health

New

NCR

The Accuracy of
Transcerebellar Diameter
Abdominal Circumference
Ratio in Abdominal Fetal
Growth
Dr. Abigail Elsie Castro
FEU Nicanor Reyes Memorial
Medical Foundation

The Antimicrobial Effect of
Leaf Extracts of *Mimosa*
pudica on *E. coli*, *S. typhi*,
Sh. dysenteriae, *D. cholerae*,
S. aureus and *Ps. aeruginosa*
Dr. Danilo Marella
FEU Nicanor Reyes Memorial
Medical Foundation

Assessment of Teleconferencing
as a Tool for Continuing
Nursing Education
Ms. Carmelita Orias
UP School of Distance
Education

A Cephalometric Study to
Establish Reference Values of
the Distance of the Occlusal
Plane from the Ala-Tragus
Plane
Dr. Danilo Magtanong
UP College of Dentistry

A Comparative Study of
Chemical Use in Disinfection
in Dentistry
Dr. Ruth Rivera
UP College of Dentistry

Comparison of Two Trans-
port Systems for Anaerobes
from Abscesses
Ms. Marorhen C. Tobias
UP College of Public Health

An Evaluation of the Effect
of *Chrysophyllum Caimito*
on the Intestinal Motility
Through the Charcoal Tracing
Method

Dr. Catherine H. Tuazon
MCU Filemon D. Tanchoco
Medical Foundation

Identification of Risk Factors
in the Development of
Bacteremia with Multiple
Resistant *Klebsiella* and
Enterobacter Organisms
Dr. Anna Lena Lopez
UP-Philippine General
Hospital

Use of Aromatic Oils in the
Treatment of *Pedicolosis*
capitis
Dr. Daisy King-Ismael
UST Faculty of Medicine
and Surgery

Validation of Questionnaire
for the Identification of
School Children with *Schis-*
tosoma japonicum infections
in Highly Endemic Areas
Dr. Juan Antonio Solon
UP College of Public Health

Validation of Retrospective
and Prospective Dietary
Assessment Methods Among
10-12 Years Old Children
Ms. Marilyn Agetano
UP College of Public Health

Regional Research Fund

Completed

Region 7

A Comparative Study of the
Anti-Bacterial Activity of
Malunggay Plant Parts Versus
Cloxacilin on *Penicillin-resis-*
tant Staphylococcus Aureus
Dr. Arlene Diaz
SWU-Matias Aznar Memorial
College of Medicine

Histological Classification of
the Gastric Antrum and
Corpus Biopsies Among
Peptic Ulcer Disease(PUD)
Patients in Cebu: Utilization
of the Sydney System of
Classification
Dr. Rody Kiok Go
Cebu Doctor's Hospital

Study on the Efficacy of
Saluyot Leaves Decoction as
a Diuretic Agent Compared
to *Furosemide*
Dr. Fe Cabugao
SWU-Matias Aznar Memorial
College of Medicine

A Survey of the Musculo-
Skeletal Manifestations and
Functional Capacity of 60
Years Old and above of
Dumaguete City
Prof. Ramonita Nakao
Silliman University

Ongoing

Region 7

The Prevalence of Hearing Impairment Among School Children at Cebu Central School

Dr. Arthur Dy
Vicente Sotto Memorial Medical Center

Use of Permethrin-Treated Curtains for Dengue Vector Control

Dr. Susan K. Madarieta
DOH Region 7

Region 8

The Accuracy and Reliability of Rural Health Units Microscopist Laboratory Team in the Detection of Malarial Parasites

Ms. Thelma Lim
Remedios Trinidad
Romualdez Medical Foundation (RTRMF)

Snail Control Using Fungicide
Mr. Roger Hambre
Schistosomiasis Research and Training Division

Community-based Approach in the Control of Schistosomiasis in Newly Discovered Endemic Areas

Ms. Daisy Perez
DOH - Regional Field Office - Region 8

Risk Factors to Iodine Deficiency Among Patients at City Health Office, Ormoc
Ms. Luz Calipayan
City Health Office - Ormoc

New

Region 8

Disabilities among Cerebral Schistosomiasis Patients Before and After Praziquantel Treatment

Dr. Imelda Balonga
Schistosomiasis Training and Research Laboratory, RHO8

Factors Affecting Iron Deficiency Anemia of 1st year High School Students in Biliran National Agricultural School (BNAC)

Ms. Evan C. Tajo
Biliran National Agricultural College

KAP on the Use of Pesticides
Ms. Lilibeth Miralles
Leyte State School of Agriculture

Prevalence and Incidence Rate of Pesticide Poisoning Among Rice Farmers in Region 8

Ms. Lilibeth Miralles
Leyte State School of Agriculture

RESEARCH FELLOWS

Mr. Jose Bergantin
Development of an Optical Fiber Fluorescence Tissue Biosensor for Determination of Paralytic Shellfish Poisoning (PSP) Toxins in Shellfish Extracts
UST College of Science
Host Scientist:
Dr. Fortunato Sevilla III

Dr. Elaine Galicia
CSF and Serum Rifampicin Level Analysis in Children with TB Meningitis Using High Performance Liquid Chromatography
UP College of Medicine
Host Scientists:
Dr. Cleotilde How
Dr. Marissa Lukban
Dr. A. Salonga

Dr. Evlina Lagamayo
Positivity of BCR-AVL Gene in the Peripheral Blood and Bone Marrow Aspirates Among Patients with CML
UST Faculty of Medicine and Surgery
Host Scientists:
Dr. Gloria DC. Bernas
Dr. Priscilla B. Caguioa

Dr. Joselito Pascual
The Role of Detoxification in the Treatment of Methamphetamine Induced Psychosis
National Poison Control and Information Services, UP Manila
Host Scientists:
Dr. Irma Makalinao
Dr. Nelia C. Maramba
Dr. Horacio Estrada

Ms. Critina Ramos
Saponins as Booster of the
Immune System
UST Research Center for the
Natural Sciences
Host Scientist:
Dr. Gloria DC. Bernas

Prof. Rosario Rubite
Strain Complex of Schisto
soma japonicum in the
Philippines
UPM College of Arts and
Sciences
Host Scientist:
Dr. Bernadette L. Ramirez

PCHRD SCHOLARS

[Sending institution]

Completed

Dr. Romulo de Villa
PhD Molecular Biology and
Biotechnology, University of
the Philippines Diliman
[FEU Nicanor Reyes Memorial
Medical Foundation]

Dr. Ma. Elena Borromeo
Master of Public Health
UP College of Public Health
[Department of Health]

New

Ms. Josephine Agapito
DrPH Health Promotion
and Education
UP College of Public Health
[UPM College of Arts and Sciences]

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

Mr. Rommel Salazar
DrPH Health Promotion
and Education
UP College of Public Health
[DLSU College of Nursing
and Midwifery]

Ms. Carmen Tolabing
DrPH Epidemiology
UP College of Public Health
[DLSU College of Medicine]

Ms. Luisa Daroy
PhD Molecular Biology and
Biotechnology, UP Diliman
[UP College of Public Health]

Dr. Natividad Aguilar
MS Clinical Epidemiology,
UP College of Medicine (CEU)
[MCU Filemon D. Tanchoco
Medical Foundation]

Ms. Danaida Barzaga
MSPH Biostatistics
UP College of Public Health
[DLSU College of Medicine]

Dr. Mariella Castillo
MS Clinical
Epidemiology, UP College of
Medicine (CEU)
[UP College of Medicine]

Dr. Ma. Liza Castro
Master of Public Health
UP College of Public Health
[Department of Health]

Ms. Cecilia dela Cruz
MS Microbiology, UST
[Bureau of Research Laboratories,
DOH]

Dr. Concepcion Cruz
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP College of Medicine]

Ms. Rosario Enano
MPH Nutrition
UP College of Public Health
[UP-Philippine General Hospital]

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

Dr. Patricia Khu
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP College of Medicine]

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

Dr. Miguel Antonio Javier
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP Philippine General
Hospital]

Dr. Carmelita Navarro
MSPH Microbiology
UP College of Public Health
[UST Faculty of Medicine &
Surgery]

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

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

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

On-going

Ms. Benedicta Alava
Ph.D Chemistry, UST
[University of Sto. Tomas]

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

Ms. Socorro Ignacio
DrPH Health Promotion &
Education
UP College of Public Health
[Department of Health]

Ms. Bernadette Mendoza
DrPH Medical Microbiology
UP College of Public Health
[UP BIOTECH]

Ms. Jasmin Jiji Miranda
Ph.D. Molecular Biology and
Biotechnology
UP Diliman
[UPD College of Science]

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

Ms. Evangeline Pagsanhan
Ph.D Pharmacy, UST
[Bureau of Food and Drugs
DOH]

Ms. Milagros Quercubin
Ph.D Nutrition
UP College of Home Economics
[UP College of Home
Economics]

Ms. Bucnaly'n Teresita Ramos
DrPH Health Promotion &
Education

UP College of Public Health
[UP College of Public Health]

Ms. Nymia Simbulan
DrPH Health Education,
UP College of Public Health
[UPM College of Arts and
Sciences]

Ms. Elinor Sunico
PhD Clinical Psychology
UP Diliman
[Research Institute for Tropical
Medicine]

Ms. Josefina Tuazon
DrPH Health Education,
UP College of Public Health
[UP College of Nursing]

Mr. Wilfredo Vendivil
PhD Biological Science
UST College of Science
[National Museum, DECS]

Ms. Julieta Zabal
Ph.D Biology
De La Salle University
[Centro Escolar University]

Dr. Lorna Abad
MS Clinical Epidemiology,
UP College of Medicine (CEU)
[UP Philippine General
Hospital]

Dr. Rita Alvero
MSPH Epidemiology
UP College of Public Health
[DLSU College of Medicine]

Dr. Rosemarie Arciaga
MS Clinical Epidemiology
UP College of Medicine (CEU)
[Zamboanga Medical Center]

Ms. Ana Maria Bacudio
MS PH Microbiology
UP College of Public Health
[Manila Health Department]

Dr. Oscar Cabahug
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UE Ramon Magsaysay Memorial
Medical Center]

Dr. Teresita Cajano
MS PH Biostatistics
UP College of Public Health
[Regional Health Office No. 8]

Dr. Erle Castillo
MS Clinical Epidemiology
UP College of Medicine (CEU)
[National Poisons Control &
Information Service]

Dr. Sotera Catapang
MS PH (Biostatistics)
UP College of Public Health
[Cebu Institute of Medicine]

Dr. Rcvelyn Cayabyab
MS PH 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. Raul Coching
MS Clinical Epidemiology
UP College of Medicine (CEU)
[Davao Medical School
Foundation]

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

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

Dr. Felizardo Gatcheco
MS Clinical Epidemiology
UP College of Medicine (CEU)
[MCU Filemon D. Tanchoco
Medical Foundation]

Dr. Blanca de Guia
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP College of Medicine]

Mr. Lyndon Lacaya
MS Statistics
UP Statistical Center
[UP College of Medicine Clinical
Epidemiology Unit]

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

Ms. Ailyn Manglicmot
MS PH Microbiology
UP College of Public Health
[National Poisons Control &
Information Service]

Ms. Vicel Meregillano
MS Pharmacy, UST
[University of Immaculate
Conception]

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

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

Dr. Oscar Naidas
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UST Faculty of Medicine &
Surgery]

Dr. Jose Navarro
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UST Faculty of Medicine &
Surgery]

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

Dr. Marrisa Orillaza
MS Clinical Epidemiology
UP College of Medicine (CEU)
[FEU Nicanor Reyes
Memorial Foundation]

Dr. Lucila Perez
MS Clinical Epidemiology
UP College of Medicine (CEU)
[MCU Filemon D. Tanchoco
Medical Foundation]

Dr. Jennifer Polo
MS PH Medical Microbiology
UP College of Public Health
[MSU College of Medicine]

Ms. Claribelle Rcnoso
MS PH Microbiology
UP College of Public Health
[UP College of Medicine]

Dr. Roberto Ruiz
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP Philippine General
Hospital]

Ms. Jennifer Sampang
MSPH Parasitology
UP College of Public Health
[Research Institute for Tropical
Medicine]

Dr. Ronaldo Santos
MS Clinical Epidemiology
UP College of Medicine (CEU)
[FEU Nicanor Reyes Memorial
Foundation]

Dr. Luis Sundiang
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UE Ramon Magsaysay Memorial
Medical Foundation]

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

Dr. Herman Tolentino
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP Philippine General
Hospital]

Dr. Bernadette Tumanan
MS Clinical Epidemiology
UP College of Medicine (CEU)
[Philippine Heart Center]

Mr. Michael Valdez
MS Microbiology, UST
[UST College of Arts and
Sciences]

Dr. Edward Wang
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UP College of Medicine]

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

Dr. Petrina Zotomayor
MS Clinical Epidemiology
UP College of Medicine (CEU)
[UE Ramon Magsaysay Memorial
Medical Center]

THESIS / DISSERTATION GRANTEES

Completed

Jocelyn Bautista
MS Pharmacy, College of
Pharmacy, University of the
Philippines- Manila
Formulation of the Leaves of
Orthosiphon Aristatus(Blume)
Miguel (Family Labiatae)
Into Tablet Dosage Form

Jayvee Cruz
MA Nursing, College of
Nursing, University of the
Philippines
Determinance to Compliance
to Therapeutic Regimen
among Selected Filipinos
Juvenile Diabetes

Rogelio Cruz
MS Microbiology
Centro Escolar University
Bacterial Cardiolipin for Scro-
diagnosis of Syphilis

Marirose Dimataga
MS Chemistry, University of
San Carlos
The Efficiency of the Chlori-
nation Process Using Conven-
tional and Solar Power

Glomarie Gonzales
MS Biochemistry, University
of the Philippines- Diliman
Extraction and Purification
of Hyaluronic Acid from Human
Umbilical Cord

Antonio Montalban
Masters in Health Profession
UP Philippine General
hospital

Design, Implementation and
Evaluation of Self-Instructional
Materials in Orthopedic Surgery
for 4th Year Medical Students

Phoebe Pendon
MA Psychology
Philippine Heart Center
Quality of Life of Post-Acute
Myocardial Infarction
Patients Undergoing Compre-
hensive Cardiac Rehabilitation
Program (CCREP): An
Exploratory Study in the PHC

John Donnic Ramos
MS Biological Sciences
University of Sto. Tomas-
Research Center for the Natural
Sciences
Purification and Characterization
of Locally Developed Anti-
Human Thymocytes

Ronelio Rara
MS Microbiology
Research Institute for Tropical
Medicine
Development and Evaluation of
vibrio Cholera Anti-serum
Containing Ogawa, Inaba and
Bengal Antibodies

On-going

Lydia Leonardo, UPCAS
Ph.D. Public Health (Parasi-
tology)
Proteases of the Schistosoma
Japonicum Egg

Laurie Ramiro, UPCAS
Ph.D. Clinical Psychology
Manginginom, Tomador at
Lasengo: A Psychosocial
Study of Alcoholism in the
Philippines and its Implication
on Diagnosis and Treatment

Elmira Judy Aguilar, USC
Master in Health Social
Science
Quality Care: Clients' Percep-
tion on the Package Deal
Services

Grace Azares, UST
MS Pharmacy
Structural Characterization
of the Alkaloids of Pandanus
Dubius spreng

Jack Hess Baricuatro, USC
MS Chemistry
Isolation & Characterization of
Insecticidal & Antimicrobial
Metabolites of Red Alga
Gledsiella acerosa (Forsk.)
Feldman & Hamel

Nina Castillo Carandang
UP-CEU
Ph.D. Medical Anthropology
Household and Community
Responses to Perceived Malaria
in an Endemic Zone in Rural
Philippines

Lolita Cavinta
UP-PGH
MSPH Medical Microbiology
Antibodies to Hepatitis C Major
Antigens Associated with
Certain Stages of Hepatitis C
Infection

Francisco Chung, ICP
MS Biochemistry
P-glyco-protein in Non-
small Cell Lung Cancer as a
Possible Marker for
Antineoplastic Drug
Resistance

Phoebe Espinas, National
Museum
MS Biological Sciences
Medicinal Plants and Home
Remedies of the Abellen Aetas

Fe Esperanza Espino, ITM
PhD Tropical Medicine
Indicators for evaluating the
Effect of a Community-based
Malaria Control Intervention in
a Low endemic Area in the
Philippines

Nancy Hilario, UST
MS Chemistry
Phytochemical Studies of
Three Selected Apocynacea
for Biologically Active
Constituents

Howell Ho, UP-CAS
MS Biochemistry
A Comparative Study of the
Collagenasic Activity of the
Excretory Extracts from.
Pathogenic & Non-pathogenic
Strains of Naegleria sp.

Socorro Lupisan, RITM
MS Epidemiology
Validity of the WHO Recom-
mended ARI Case Assessment
in the Diagnosis of Pneumonia
in Children Less Than Five Pre-
senting Cough and Fever in
Malaria Hyper-endemic Area in
the Philippines

Elena Manansala, UST
MS Pharmacy
Studies on the Hypoglycemic
Property of Selected Plants

Susan Y. Mabunga, UP- PH
MS Dentistry
Social Impact of Oral Diseases
and Disorders Among Workers

Erlinda Nuguid-Tan, UST
MS Chemistry
Zinc, Copper and Cadmium
Levels of Filipinos with
Coronary Heart Disease
(CHD)

Preciosa Corazon Pabroa
UP, NSRI
MS Chemistry
Purification and Biochemical
Characterization of the Venom
from the Jellyfish Chiropsalmus
Quadrigatus

Nonita Peteros, MSU-IT
MS Chemistry
Isolation and Characterization
of Active Principle in Annona
Muricata Linn. Leaves

Diosdado Sale, USC
MS Chemistry
Isolation & Characterization of
Bioactive Metabolites of Red
Alga Halymenia durvellae: Bory

Mary Santos Regal, UST
MS Clinical Epidemiology
The Influence of Blood Lead
on the Cognitive Function of
Child Scavengers in Smokey
Mountain

Josephine Sarau, BFAD
MS Pharmacy
Preliminary Screening of Cy-
totoxic Activity of Raphanus
Sativus L. Seeds and Schleffera
odorata B. Leaves and Roots on
Different Human-derived
Cancer Cell Lines

Monico Tenedor, Lyceum of
Aparri, MS Chemistry
Isolation and Structure of
Active Constituents from
Corchorus capsulae Against
M. tuberculosis

Sandra Torres, Philippine
Orthopedic Institute
MS Epidemiology
Risk Factors of Hip Fractures
in Filipinos

Mafel Ysrael, UST-RCNS
Ph.D. Pharmacy
Chemical Studies of Ipomoea
Muricata Jacq. convulvolacea

New

Anacleto Argayosa
MS Biology, University of the
Philippines Diliman
Lectins and Lectin Receptors
from Acanthamoeba sp.

Erna Arollado
MS Pharmacy, UP Diliman
Extraction and Isolation
of Anti-Inflammatory
Components from Hibiscus-
rosasinensis

Jay Dalet
MS Biochemistry, University
of the Philippines Manila
Direct Detection of Rifampicin
Resistance Mutations in the
rpoB Gene of Selected Com-
munity Based and Hospital
Based Philippine Mycobacte-
rium Tuberculosis Isolates

Rhodora Gonzales
MS Pharmacy, University of
Sto. Tomas
In Vitro Assessment of Anti-
inflammatory Compounds
from Philippine Medicinal
Plants

Donna Montanano
MS Nutrition, National
Kidney and Transplant
Institute
Short-Term Effects of Differ-
ent Sources of Protein in
Early Stages of Chronic Renal
Disease

Robelita Negradas
MS Nursing, UP Manila
The Effects of Humor on the
Level of Anxiety of Uterine
Cancer Patients Undergoing
Hysterectomy

Mildred Padilla
Ph.D. Public Health (Parasi-
tology)
College of Veterinary Medicine
UP Los Baños
Development of an Antigen
Detection Assay for Fasciolosis
in Cattle

Rodmar Pulido
MS Biochemistry, Lung Center
of the Philippines
Modulation of Vinblastine
Cytotoxicity by Protein Kinase
Inhibitor Genistein, Phosphatase
Inhibitor, Okadaic Acid and
Lectin from Dolichos Laboratory
in Non-small Lung Cancer Cells

Raquel Tan
MS Microbiology, National
Kidney and Transplant Institute
Cell Protecting Effect of
Sublytic Doses of Streptolysin
O on Human Proximal
Kidney Tubules Cells from
Cell-Mediated Cytotoxicity

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Neurophysiologic Evaluation
of Workers in an Automotive
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