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Award Number: DAMD17-00-1-0082

TITLE: Pharmacists as Health Educators and Risk Communicators in
the Prevention of Prostate Cancer

PRINCIPAL INVESTIGATOR: Cynthia A. Warrick, Ph.D.

CONTRACTING ORGANIZATION: Howard University
Washington, DC 20059

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Fort Detrick, Maryland 21702-5012

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13. ABSTRACT (Maximum 200 Words) The purpose of this study is to determine if and how pharmacists can play a significant part in the prevention of prostate cancer. The study is divided into three phases. Phase I (Year 1) involved the identification of community pharmacists who are willing to serve as health educators on prostate cancer in the community-pharmacy setting. Phase II is the design, pilot testing, and evaluation of a prostate cancer education and communication program that will be used to educate pharmacists on prostate cancer and how this information should be communicated to the public.				
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Annual Report 2001-2002
Award No: DAMD17-00-1-0082
"Pharmacists as Health Educators and
Risk Communicators in the Prevention of Prostate Cancer"

Introduction

The research study, "Pharmacists as Health Educators and Risk Communicators in the Prevention of Prostate Cancer" is a prostate cancer education for prevention project. The principle investigator is Cynthia Warrick, formerly at Howard University; she is now an Assistant Professor, Management & Policy Sciences, at the University of Texas Houston School of Public Health. This study proposes to define how pharmacists can play an integral role in the early detection and prevention of prostate cancer. The specific aims of this research study are: 1. To identify community pharmacists who are willing to serve as health educators and risk communicators on prostate cancer; 2. To design a program to educate and train pharmacists in risk communication and prostate cancer; and 3. To design a format whereby pharmacists are able to perform health education on prostate cancer in the community pharmacy setting. This study will be conducted in three phases: Phase I is the development, administration, and evaluation of a survey instrument that will assess pharmacists' willingness to counsel on prostate cancer, their present knowledge about prostate cancer, their interests in education programs on prostate cancer, and the feasibility of conducting public education in the community pharmacy setting. Phase II is the design, pilot testing, and evaluation of a prostate cancer education and communication program that will be used to educate pharmacists on prostate cancer and how this information should be communicated to the public. It will involve videotaped lectures that can be viewed through television and computer formats. Phase III is the design, testing, and evaluation of the prostate cancer implementation program. This part of the study consists of a Workgroup that will design how the program should be implemented in the pharmacy for maximum effectiveness and feasibility. It involves the design of an educational videotape that will be shown to the public during the counseling session. The workgroup will also design the educational materials that will be distributed to the public. All media products will be designed to reflect sensitivities to cultural diversity. It is expected that the products of this study would be utilized in a national effort on prostate cancer prevention.

Body

The Phase 1 activities were reported in the 2000-2001 annual report. This report covers the Phase 2 activities beginning April 1, 2001 through March 31, 2002. The Principle Investigator changed institutions and will complete the grant program activities at the new institution once the transfer from Howard University to the University of Texas Houston School of Public Health takes place. The Phase 2 tasks that were approved in the Statement and Work and completed in Year 2 included:

Task: Design a Prostate Cancer Education & Communication Program

From the Phase 1 survey, 31 of the pharmacists polled indicated that they would like to participate in the prostate cancer education and training program. These pharmacists were invited to a Continuing Education Workshop on Prostate Cancer. The purpose of the workshop was to get feedback on the proposed content of the presentation to determine whether it fulfilled the goals of the program, to provide practice-based information on prostate cancer for community pharmacists to communicate to their patients. The workshop materials were developed by Dr. Cynthia Warrick, Dr. Frederick Lombardo (Oncology Board Certified Clinical Pharmacist), Dr. Kimberly Dinh (Oncology Cancer Fellow, Howard University Hospital), staff from the Howard University Cancer Center and 3 students in the pharmacy school. The lecture was compiled into a 1 and ½ hour power point presentation.

Pharmacists that indicated their willingness to participate in the Prostate Cancer Education workshop were invited to attend the workshop at the Channel Inn-Pier 76 Restaurant in Washington, DC, on August 24, 2001, at 6:00p.m. The workshop lasted 2 hours. Dr. Frederick Lombardo gave the lecture to the audience of 35 pharmacists and School of Pharmacy faculty at the Pier 96 restaurant Main Galley banquet room. Most of the participants were African American or of African descent and were male. There were only 5 women pharmacists present at the workshop. Dinner and a \$15 cash incentive were provided to the participants as well as 2 hours of continuing education credit for their cooperation in evaluating the program content, presentation, and format. The presentation was videotaped. Each of the participants provided written evaluations of the workshop.

Workshop Findings

All of the pharmacist participants agreed that prostate cancer was an important topic and that they would want additional information and future updates. The participants gave an overall ranking of 5 (strongly agree) on the Likert scale, for the program. Many commented on the content and format: "The program was too long. The program was too technical for pharmacists who had been in retail practice for a number of years. The program provided good information, but much of it would not be utilized in the community setting. The speaker was excellent and made everyone comfortable."

Feedback from the workshop participants was utilized to modify the training program. It will be shortened to a 45 minute video presentation with 15 minutes of slides for 1 hour of continuing education credit. Dr. Frederick Lombardo will continue as the presenter for the training video; he was received very well by the diverse audience. This portion of the project will be completed in Year 3.

Key Research Accomplishments

- Pilot testing of proposed Prostate Cancer education and communication materials in workshop format
- Evaluation of workshop by 35 Washington, DC practicing pharmacists

Reportable Outcomes

- Phase 1 results were submitted in a paper to the *Journal of the National Medical Association*
- Phase 1 results were presented in a paper at the Annual Convention of the American Pharmaceutical Association, March 2002, Philadelphia, PA.

Conclusions

Phase 2 of the "Pharmacists as Health Educators and Risk Communicators in the Prevention of Prostate Cancer" was successful in completing all of the Tasks in the approved statement of work. Because the Principal Investigator has changed institutions, the Phase 3 activities have been delayed by the grant transfer from Howard University to the University of Texas Houston Health Science Center. All of the grant activities that needed to take place in Washington, DC have been completed. The PI has identified contractors in Houston to complete the Phase 3 activities. Depending on when the transfer is complete, a request for a time extension may be required for completion of the Phase 3 activities.

The accomplishments in Phase 1 and 2 are currently have been documented in a proposal to the Pfizer Health Literacy Initiative. This grant if funded, will utilize the video produced in the Phase 3 activities to develop a touch screen interactive computer presentation on prostate cancer for minority communities in Houston.

The findings in Phase 1 of this study concluded that pharmacists are willing to participate as health educators and risk communicators in the prevention of prostate cancer. Phase 2 findings confirmed that the approach taken by this project was relevant to practicing pharmacists and well received. Pharmacists, however, would like a shorter presentation with more practice-related examples. These feedback will be utilized to produce the video and computer formats in Phase 3.

So what does this Mean? The results indicate pharmacists recognize that by becoming experts on prostate cancer, they can provide a valuable service to their patients and community. This project will serve as a model for national distribution of prostate cancer education for community pharmacists.

References

No new references were utilized.

Appendices

C.V. for Dr. Frederick Lombardo
C.V. for Dr. Kimberly Dinh

CURRICULUM VITAE

Dr. Fredric A. Lombardo,

Pharm.D, M.S., R. Ph., BCPS, BCNSP, BCOP, BCPP, CGP, FACSP

13503 Apple Barrel Court

Herndon, Virginia 20171-4006

703-481-0314 (Home)

202-806-4205 (College)

202-806-5539 (Howard University Cancer Center)

DATE OF INITIAL APPOINTMENT: 1 July 1995

DATE OF CURRENT APPOINTMENT: 1 July 1997

EDUCATION:

Institution	Degree/ Grad Yr	Years Attended	Major
Duquesne University	B.S.(Pharm)/ 1971	1966-1971	Pharmacy
Florida Institute Of Technology	M.S./ 1979	1977-1979	Statistics
Duquesne University	Pharm.D./ 1973	1971-1973	Pharmacy
Mercy Hospital	Residency/ 1973	1972-1973	Pharmacy

LICENSURE

Commonwealth of Pennsylvania Board of Pharmacy (1972)

Commonwealth of Virginia Board of Pharmacy (1976)

Texas Board of Pharmacy (1981)

District of Columbia Board of Pharmacy (1997)

RESIDENCY

Residency in Hospital Pharmacy, Mercy Hospital, Pittsburgh, Pennsylvania
(1973) (Clinical Pharmacy with Emphasis in Oncology Practice)

CERTIFICATION

Board Certification in Pharmacotherapy Specialty (1993)

Board of Pharmaceutical Specialties

Board Certification in Nutritional Support Pharmacy (1997)
Board of Pharmaceutical Specialties
Board Certification in Oncology Pharmacy (1998)
Board of Pharmaceutical Specialties
Board Certification in Psychiatric Pharmacy Practice (2000)
Board of Pharmaceutical Specialties
Board Certification in Geriatric Pharmacy (2001)
Commission for Certification in Geriatric Pharmacy

SUMMARY OF CAREER

Assistant Professor, Clinical and Administrative Pharmacy Sciences, School of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, Washington, DC 20059, 1995-Present.

Assistant Professor, Department of Pharmaceutical Sciences, School of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, Washington, DC 20059, 2001-Present.

Assistant Professor, Graduate School, Howard University, Washington, DC 20059, 2000-Present.

Attending: Clinical Pharmacy Services, Howard University Cancer Center, Howard University, Washington, DC 20060, 1995-Present.

Faculty, Department of Psychiatry, Howard University Hospital, Howard University, Washington, D.C. 20060, 1999-Present.

Assistant Professor, Howard University Cancer Center, College of Medicine, Howard University, Washington, DC 20060, 1995-Present

Assistant Professor and Consultant Faculty, Center for Sickle Cell Disease, College of Medicine, Howard University, Washington, DC 20060, 1995-Present

Adjunct Assistant Professor, F. Lee Hebert School of Medicine, Uniformed Services University of the Health Sciences (USUHS), Bethesda, Maryland 20814-4799, 1995-Present

Adjunct Faculty, The Graduate School of Nursing, Uniformed Services University of the Health Sciences (USUHS), Bethesda, Maryland 20814-4799, 1995-Present.

Adjunct Assistant Professor, Graduate School of Nursing, The Catholic University of America, Washington, DC, 1996-Present.

Adjunct Assistant Professor, The Foundation for Advanced Education in the Sciences (FAES) Graduate School, The National Institutes of Health, Bethesda, Maryland 20814-1460, 1996-Present

Clinical Adjunct Assistant Professor, School of Nursing, Montgomery College, Tacoma Park, Maryland, 1996-Present.

Lecturer, School of Nursing, University of Maryland, Baltimore, Maryland, 2001-Present.

Lecturer, School of Nursing, University of Maryland, Shady Grove Campus, Rockville, Maryland, 2000 to Present.

Lecturer, Graduate School of Nursing, University of Maryland, Shady Grove Campus, Rockville, Maryland, 2001 to Present.

Senior Clinical Pharmacy Specialist, Bone Marrow Transplant Section, Hematology Branch, The National Heart, Lung, and Blood Institute, and Pharmacy Department, Clinical Center, The National Institutes of Health, Bethesda, Maryland 20814, 1992-1995.

Chief, Cancer Treatment Section, Hematology-Oncology Service, Department of Medicine, Walter Reed Army Medical Center, Washington, DC, 1986-1992.

Preceptor, Hematology-Oncology Pharmacy Residency, Department of Pharmacy, Walter Reed Army Medical Center, Washington, DC 1986-1992.

Chief, Hematology-Oncology Pharmacy Service, Department of Pharmacy, Walter Reed Army Medical Center, Washington, DC, 1986-1992. (Lieutenant Colonel, USA)

Chief, Outpatient Pharmacy Service, Department of Pharmacy, Walter Reed Army Medical Center, Washington, DC, 1985-1986. (Major, USA)

Chief, Clinical Pharmacy Support Section, Pharmacy Service, Brooke Army Medical Center, Fort Sam Houston, Texas 78234, 1980-1985.

Chief, Hematology-Oncology Pharmacy Section, Pharmacy Service, Brooke Army Medical Center, Fort Sam Houston, Texas 78234, 1980-1985.

Senior Clinical Pharmacist, Hematology-Oncology Service, Department of Medicine, Brooke Army Medical Center, Fort Sam Houston, Texas 78234, 1980-1985.

Chief, Pharmacy Service, United States Army Medical Activity, and Kenner Army Community Hospital, Fort Lee, Virginia, 1977-1980. (Captain, USA)

Coordinator, Clinical Pharmacy Services, Department of Pharmacy, Shadyside Hospital, Pittsburgh, Pennsylvania, 1974-1976.

ACADEMIC APPOINTMENTS

Instructor, Clinical and Professional Practice, School of Pharmacy, Duquesne University, Pittsburgh, Pennsylvania, 1972-1973.

Clinical Preceptor and Instructor, College of Pharmacy, Medical College of Virginia, Richmond, Virginia, 1977-1980.

Clinical Assistant Professor, School of Pharmacy, The University of Texas at San Antonio, San Antonio, Texas 78234, 1981-1985.

Adjunct Assistant Professor, Department of Clinical Pharmacy Sciences, College of Pharmacy and Pharmacal Sciences, Howard University, Washington, DC 20059, 1986-1995.

Clinical Assistant Professor, College of Pharmacy, University of Maryland, Baltimore, Maryland, 1990-1992.

Clinical Assistant Professor, Clinical Practice, College of Pharmacy, Creighton University, Omaha, Nebraska, 1990-1992.

Assistant Professor, Department of Clinical and Administrative Pharmacy Sciences, Division of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, Washington, DC 20059, 1995-Present.

Assistant Professor, Howard University Cancer Center, College of Medicine, Howard University, Washington, DC 20060, 1995-Present.

Assistant Professor, Center for Sickle Cell Disease, College of Medicine, Howard University, Washington, DC 20060, 1995-Present.

Adjunct Assistant Professor, The Graduate School of Nursing, The Catholic University of America, Washington, DC, 1996-Present.

Adjunct Assistant Professor, The Graduate School of Nursing, The Uniformed Services University of the Health Sciences (USUHS), Bethesda, Maryland 20814-4799, 1995-Present

Adjunct Assistant Professor, The F. Lee Hebert School of Medicine, The Uniformed Services University of the Health Sciences (USUHS), Bethesda, Maryland 20814-4799, 1995-Present.

Adjunct Assistant Professor, The Foundation for Advanced Education in the Sciences Graduate School at the National Institutes of Health, The National Institutes of Health, Bethesda, Maryland 20814-1460, 1996-Present.

Adjunct Clinical Assistant Professor, School of Nursing, Montgomery College, Tacoma Park, Maryland, 1996-Present.

Assistant Professor (W.O.C.), Department of Psychiatry, College of Medicine, Howard University, Washington, D.C., 1998-Present.

Assistant Professor (W.O.C.), Department of Primary Care and Community Medicine, College of Medicine, Howard University, 1996-Present.

Lecturer, School of Nursing, University of Maryland University College, Shady Grove, Maryland, 2000-Present.

Assistant Professor, Graduate School, Howard University, Washington, DC 20059, 2000-Present

COMMUNITY ACTIVITIES

Invited Exhibitor, "4 Your Health And Fitness Expo", Pharmacy Service, Center for Sickle Cell Disease, and Howard University Cancer Center, 15-17 January 1999, Washington Convention Center, Washington, D.C.

Contributor, "Making a Difference in the Workplace: Pharmacists as Good Citizens of the Community"-*Herbal/Alternative Medicine Workshop, NBC4: Your Health Fitness Expo* 1998 Rho Chi National Chapter Award, Beta Sigma Chapter.

Invited Contributor, "Health Fair", Immigration and Naturalization Service, Washington, D.C., 16 September, 1998.

Invited Contributor, "Health Fair", Center for Sickle Cell Disease, 2121 Georgia Avenue, NW, Howard University, Washington, D.C. 11 September, 1998.

Invited Contributor, "Health Fair", Center for Sickle Cell Disease, 2121 Georgia Avenue, NW, Howard University, Washington, D.C., 12 September 1997.

Invited Contributor, "Health Fair", Immigration and Naturalization Service, Washington, D.C., 16 September, 1997.

Invited Contributor, "1999 Howard University Hospital Open House", Howard University Hospital, Washington, DC, 19 June 1999.

Invited Contributor, Hypertension and Glucose Monitoring, *Elderfest 1999*, Freedom Square, Washington, D.C., 9 September, 1999.

Invited Participant, "4 Your Health and Fitness Expo", NBC4, Convention Center, Washington, DC., Represented the Department of Pharmacy, Howard University Cancer Center, and the Center for Sickle Cell Disease, 15-16 January 2000.

Invited Participant, Howard University Hospital Open House, Howard University Hospital, Washington, DC., 19 June 1999.

Invited Participant and Member, Panel Discussion, Colorectal Screening Program, Howard University Cancer Center, Washington, DC, 11 March 2000.

Invited Participant, Howard University Hospital Open House, Howard University Hospital, Washington, DC, 17 June 2000.

Invited Participant, "4 Your Health and Fitness Expo", NBC4, Convention Center, Washington, DC, Represented the Department of Pharmacy, Howard University Cancer Center, and the Center for Sickle Cell Disease, 17-18 February 2001.

Invited Participant, "2001 Howard University Hospital Open House", Howard University Hospital, Washington, DC, 16 June 2001.

Invited Participant, "Howard University Health Fair", *Annual Meeting of the Urban League*, Convention Center, Washington, DC, 29 July 2001.

GRANTS AND CONTRACTS FUNDED

a. Title: "Ask the Pharmacy Doctor" Radio Program, WWRC-980

Role: Principal Investigator

% Effort: 50.0

Agency: Ortho-Biotech

Amount: \$1600.00

- b. Title: Comparison of Tramadol Efficiency Versus Oxycodone/Acetaminophen in the management of pain with Sickle Cell disease or cancer

Role: Principal Investigator

% Effort: 30.0

Agency: Ortho-McNeil

Amount: \$2000.00

- c. Title: Assessment of the Predictive Value of the Extreme Drug Resistance Assay in Patients Receiving Paclitaxel for Metastatic Breast Cancer.

Role: Co-Principal Investigator

% Effort: 20.0

Agency: Oncotech

Amount: \$1000/Patient Enrolled

- d. Title: Forensic Chemistry and Toxicology Cases: A Web-Based Distance Learning Course

Role: Co-Principal Investigator

% Effort: 10.0

Agency: Fund for Academic Excellence, Howard University

Amount: \$2200

- e. Title: Computer Based Refresher Workshop in Pharmacokinetics for Pharmacists and Physicians

Role: Investigator

% Effort: 10.0

Agency: Fund for Academic Excellence, Howard University

Amount: \$5000

- f. Title: Multidisciplinary HIV/AIDS Preceptorship Program

Role: Investigator, Consultant

% Effort: 10.0

Agency: National Minority AIDS Education and Training Center,
Howard University

Amount: \$200/Hour

- g. Title: Comparison of Plasma Levels of Nitric Oxide, cGMP, and Methemoglobin in Sickle Cell Anemia Patients Treated With and Without Hydroxurea.

Role: Investigator

% Effort: 5.0

Agency: General Clinical Research Center, Howard University

Amount: Undetermined

- h. Title: A Phase II Study of Vitamin E in Healthy Men and Patients with Prostate Cancer.

Role: Co-Investigator

% Effort: 10.0

Agency: Howard University Cancer Center

Amount: \$2000

- i. Title: Estudio Clinico De Fase II De Gemcitabina Para Pacientes Con Cancer De Vesicula Biliar Avanzado.

Role : Investigator

% Effort: 10.0

Agency: University of Santiago, Santiago, Chile

- j. Title: A Phase III Double Blind, Randomized, Placebo Controlled Study of Porfiromycin When Used as an Adjuvant to Radiation Therapy in Patients with Head and Neck Cancer.

Role: Investigator

% Effort: 5.0

Agency: Vion Pharmaceuticals, Inc, Covance CAPS Ltd.

- k. Title: The National Minority AIDS Education and Training Center

Role: Consultant

% Effort: 10.0

Agency: National Minority AIDS Education and Training Center Grant

\$5,000 per annum

Period: 1 September 2000 through 31 August 2001

GRANTS APPROVED BUT NOT FUNDED/PENDING

- a. Title: Use of a Patient-Driven Computerized Reporting System to Evaluate Gender Differences in Adverse Symptoms for AIDS Patients Receiving Antiretroviral Therapy

Role: Principal Investigator

% Effort: 25.0

Agency: Centers for Disease Control, Public Health Service, Department of Health and Human Services

Amount Requested: \$69,725.00

Grant Period: 1 October 1998 To 1 October 1999

- b. Title: Recompensation of Phase II Clinical Trials of New Chemopreventive Agents

Role: Principal Investigator

% Effort: 25.0

Agency: National Cancer Institute

Amount Requested: \$454,000.00

Grant Period: 15 September 1998 To 14 September 2003

- c. Title: Development of a Neural Network or Generic Algorithm Regarding the Relationships Between Prothrombin Time Versus INR's Versus Blood Levels of Warfarin.

Role: Principal Investigator

% Effort: 30.0

Agency: DuPont

Amount Requested: \$150,000.00

Grant Period: 1 October 1998 To 1 October 2001

- d. Title: Study of Prostate Cancer in the Community

% Effort: 5.0

Agency: SBIR

- e. Title: Development and Implementation of a Radio Show, "Ask the Pharmacy Doctor": A 60 Minute Medication Education Program and Clinical Rotation Site for Pharmacy Students.

Role: Principal Investigator

% Effort: 25%

Agency: U.S. Bioscience

Amount Requested: \$5000.00

Grant Period: 1 November 1998 through 30 March 1999

- f. Title: Implementation of An Anticoagulant Clinic at Howard University Hospital as a Clinical Rotation Site for Pharmacy Students.

Role: Principal Investigator

Agency: Fund for Academic Excellence, Howard University

Amount Requested: \$5000.00

Grant Period: 1 January 1999 through 30 April 1999.

- g. Title: A Phase II Study of the Use of Trimetrexate, Cisplatin, and 5-Fluorouracil/Leucovorin in Stage IV Head and Neck Malignancies.

Role: Co-Principal Investigator

% Effort: 10.0

Agency: U.S. Bioscience

Amount Requested: \$ 20,000.00

Grant Period: 1 October 1998 To 1 October 1999

- h. Title: Development and Implementation of a Radio Show, "Ask the Pharmacy Doctor", a 60 Minute Medication Education Program as a Clinical Rotation Site for Pharmacy Students

Role: Principal Investigator

% Effort: 45.0

Agency: Fund for Academic Excellence, Howard University

Amount Requested: \$ 5,000.00

Grant Period: Fall 1998 to Fall 1999

COURSES TAUGHT

COURSE	YEAR	SEMESTER	LECTURES
Seminar*	1995	Fall	17
Contemp Pharm Prc	1995	Fall	2
Pharmacotherapy I	1995	Fall	8
Pharm Dispensing	1995	Fall	2
Pathophysiology II	1996	Spring	10
Seminar *	1996	Spring	16
Antimicrobials	1996	Spring	7
Drugs & The Elderly	1996	Spring	2
Pharmacotherapy II	1996	Spring	12
OTC/Home Health Care	1996	Spring	6
Seminar *(B.S. Students)	1996	Fall	17
Seminar*			
(Pharm.D. Students)	1996	Fall	17
Contemp Pharm Prc	1996	Fall	1
Pharmacotherapy I	1996	Fall	15
Pathophysiology I	1996	Fall	12
Pharmacy Dispensing	1996	Fall	2
Pharmacy Dispensing Lab	1996	Fall	16
Health Care Ethics	1996	Fall	2
Contemp Pharm Prc	1997	Spring	1
OTC/Home Health Care	1997	Spring	6
Pharmacotherapy II	1997	Spring	12
Antimicrobials	1997	Spring	7
Drugs & The Elderly	1997	Spring	3
Clinical Biochem			
(Med School)	1997	Spring	12
Principles of Research **	1997	Spring	4
Seminar* (B.S. Students)	1997	Spring	16
Seminar*			
(Pharm.D. Students)	1997	Spring	16
Health Care Ethics	1997	Spring	1
Contemp Pharm Practice	1997	Fall	1
Pharmacotherapy I	1997	Fall	12
Pathophysiology I	1997	Fall	12
Pharmacy Dispensing	1997	Fall	2
Pharmacy Dispensing Lab	1997	Fall	16
Clinical Biochem			
(Med School)	1997	Fall	14
Health Care Ethics	1997	Fall	1
OTC/Home Health Care	1998	Spring	6

Pharmacotherapy II	1998	Spring	12
Pathophysiology II	1998	Spring	2
Antimicrobials	1998	Spring	5
Drugs & The Elderly	1998	Spring	3
Clinical Biochem (Med School)	1998	Spring	14
Principles of Research **	1998	Spring	2
Health Care Ethics	1998	Spring	2

* Coordinator

**Co-coordinator

RESEARCH PROJECTS SUPERVISED (IRB APPROVAL)

- a. Title: Oral Granisetron Plus Dexamethasone Versus Dexamethasone Alone in the Prevention of Delayed Cisplatin-Induced Emesis

Student: Brenda V. Borders-Hemphill

Degree/Year : Pharm.D./1997

- b. Title: Comparison of Tramadol Efficiency Versus xycodone / Acetaminophen in the Management of pain Associated with Sickle Cell Disease

Student: Sara Yosef

Degree/Year: Pharm.D./1997

- c. Title: Determination of the Prevalence of Myopathy with Niacin and/or HMG-CoA Reductase Inhibitors

Student: Odunayo Obisesan

Degree/Year: Pharm.D./1997

- d. Title: Determination of the Usage Pattern of Azithromycin and Evaluation of its Effectiveness in the Treatment of Chlamydial Urogenital Infections

Student: Letitia Wright

Degree/Year: Pharm.D./1997

PUBLICATIONS: (Refereed Research Articles)

*Urba, W.L., Longo,D.L., Lombardo, F.A., Weiss, R.B., "Augmentation of Peripheral Blood NK Activity with Flavone Acetic Acid (FAA)", *Journal of the National Cancer Institute*, May, 1988.

*Vukelja, S., Lombardo, F., James, W., Weiss, R.B., "Pyridoxine in the Treatment of Palmar-Plantar Erythrodysethesia Secondary to 5-Fluorouracil", *Annals of Internal Medicine*, October 15, 1989.

*Potyk,R.P., Martin, B.P., Bjornson, D.C., Hiner, W.O., Lombardo, F.A., Cambre,J.D., Minton, T.R., "Developing Clinical Practice Opportunities at Walter Reed Army Medical Center", *Journal of Pharmacy Practice*, Vol III, No.6, December, 1990, pp.365-372.

*Ward, F.T.,_Kelley, J.A., Roth,J.S., Lombardo, F.A., Weiss, R.B., Leyland-Jones, B., Chun, H.G., "A Phase I Bioavailability and Pharmacokinetic Study of Hexamethylene Bisacetamide (NSC 95580) Administered Via Nasogastric Tube", *Cancer Research*, 51, 1803-10, April 1, 1991.

*Reid III, T.J., Lombardo, F.A., Redmond, J., Hammond, S.L., Coffey, J.A., Ozer, H., "Digital Vasculitis Associated with Interferon Therapy", *The American Journal of Medicine*, Vol 92, June, 1992.

*Konzelman, J.,_Smith, K.J., Lombardo, F.A., Skelton H.G. III, Holland T.T., Yeager,J., Wagner, K.F., Oster,C.N., Chung, R. "Iontophoresis of Vinblastine Into Normal Skin and For Treatment of Kaposi's Sarcoma in Human Immunodeficiency Virus-Positive Patients", *Archives of Dermatology*, 128: 1365-1370, October, 1992.

*Bjornson,D.C, Hiner, W.O., Potyk,R.P., Lombardo, F.A., Nelson, B.A., Martin, J.A., Larson, Z.V., Martin, B.P., Sikora, R.G., Cammorata, F.A., "Effect of Pharmacists on Health Care Outcomes in Hospitalized Patients", *American Journal of Hospital Pharmacy*, 50:1875-1884, Sept, 1993.

*Shotkin,J.D., Lombardo, F.A., "Use of an Indwelling Peripheral Catheter for 3-5 Day Chemotherapy Administration in the Outpatient Setting", *Journal of Intravenous Nursing*, Vol 19, No.6, November/December, 1996.

Kaur,K., Brown, B., Lombardo,F*, "Prostacyclin for Secondary Pulmonary Hypertension", *Annals of Internal Medicine*, Vol. 123 (2), letter, p165, 18 January 2000.

Wutoh,A.K., Colebrook, M.N., Holladay, J.W., Scott, K.R., Hogue, V.W., Ayuk-Egbe, P.B., Lombardo, F.A., "Faculty Mentoring Programs at Schools/Colleges of Pharmacy in the U.S.", *Journal of Pharmacy Teaching*, Vol. 8 (1) 2000.

Lombardo, F.A., "Clinical Twisters", *Hospital Pharmacist Report*, Vol 14, No.10, October, 2000

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INVITED PRESENTATIONS: (Selective)

Lombardo, F.A., "Advances in Drug Therapy of HIV Infection", *Symposium on AIDS*, Broadmore Hotel, Colorado Springs, Colorado, May 1991.

Lombardo, F.A., "Tramadol (Ultram): A Novel Agent for Pain Management", *Department of Medicine Rounds and Sickle Cell Seminar Series*, Howard University Hospital, September 6, 1996.

Lombardo, F.A., "High Dose Chemotherapy and Bone Marrow Transplantation", *Seminars In Oncology*, Howard University Cancer Center, Howard University, August 28, 1997.

Lombardo, F.A., "Nutrition in the Cancer Patient", *Hematology-Oncology Pharmacy Orientation Course*, Walter Reed Army Medical Center, Washington, D.C., March 19, 1997.

Lombardo, F.A., "Use of Growth Factors in the Cancer Patient: An Update", *Hematology-Oncology Pharmacy Orientation Course*, Walter Reed Army Medical Center, Washington, D.C., February 24, 1998.

Lombardo, F.A., "Update on the Use of Tramadol in the Sickle Cell and Cancer Population", *General Clinical Research Center Conference*, Howard University Hospital, May 1, 1998.

Lombardo, F.A., "New Treatment Strategies in HIV Disease", *Grand Rounds, The Peace Corps*, Washington, D.C., June 18, 1998.

Lombardo, F.A., "Update Receptor Theory", *Presentation to 3^d Year Psychiatry Residents, St. Elizabeth's Hospital*, Washington, D.C., October 14, 1998.

Lombardo, F.A., "Basic Research Methodology: Hypothesis Testing, Sample Size, and Statistical Power", *Presentation to 4th Year Psychiatry Residents, Howard University Hospital*, Washington, D.C., October 29, 1998.

Lombardo, F.A., Kark, J. "Cytokine Support in Bone Marrow Failure", *Pathophysiology Conference, Department of Medicine, Howard University Hospital*, Washington, D.C., 4 January 1999.

Lombardo, F.A., "Chemotherapeutic Agents", *Pediatric Cancer Therapy*, Department of Nursing, Howard University Hospital, Washington, D.C., 3 February 1999.

Lombardo, F.A., "Update in the Use of Growth Factors For Bone Marrow Failure", *Hematology-Oncology Pharmacy Services Course*, Walter Reed Army Medical Center, Washington, D.C., 26 February 1999.

Lombardo, F.A., Kark, J., "Cytokine Support in Bone Marrow Failure", *Grand Rounds*, Department of Medicine, Walter Reed Army Medical Center, Washington, D.C., 30 April 1999.

Lombardo, F.A., "Pain Management in Sickle Cell Disease", *Grand Rounds, Department of Pediatrics and the Sickle Cell Center*, Howard University Hospital, Washington, D.C., 28 May 1999.

Lombardo, F.A., "Clinically Significant Herb-Drug Interactions", *Ethiopian Pharmacists Association in Northern America*, Howard University Hospital, Washington, D.C., 8 August 1999.

Lombardo, F.A., "Herbal Drug Interactions", *Esprit Homecare LLC, Continuing Education Lecture*, Esprit Homecare, LLC, Leesburg, Virginia 11 August 1999.

Lombardo, F.A., "The Use of Patient Controlled Analgesia as a Means of Pain Management", *Grand Rounds, Department of Surgery*, Howard University Hospital, Washington, D.C., 23 August 1999.

Lombardo, F.A., "Update of Research Activities at The Center for Sickle Cell Disease, Howard University 1998-1999", *Guest Lecturer, 26th Princess L. Wilborn Foundation Luncheon*, Pittsburgh, Pennsylvania, 28 August 1999.

Lombardo, F.A., "Herbal Drug Interactions" *Grand Rounds*, Department of Medicine, Northern Virginia Community Hospital, Arlington, Virginia, 13 September 1999.

Lombardo, F.A., "Radiosensitization", Department of Radiation Oncology, Howard University Hospital, Washington, DC, 16 September 1999.

Lombardo, F.A., "Chemotherapy and Radiation Therapy", Radiation Therapy Course, College of Pharmacy, Nursing, and Allied Health Sciences, Washington, DC 23 September 1999.

Lombardo, F.A., "General Principles of Chemotherapy in Oncology", Department of Nursing, Howard University Hospital, Washington, DC, 30 September 1999.

Lombardo, F.A., "Interactions of Herbal Medications", *4th International Chinese Pharmaceutical Association Meeting*, National Institutes of Health, Bethesda, Maryland, 3 October 1999.

Lombardo, F.A., "Pain Management", Department of Neurology, Howard University Hospital, Washington, DC, 18 October 1999.

Lombardo, F.A. "Pain Management", *Grand Rounds*, Department of Neurology, Howard University Hospital, Washington, DC 25 October 1999.

Lombardo, F.A., "Drug-Herbal Interactions", *Pathophysiology Conference*, Department of Medicine, Howard University Hospital, Washington, DC, 22 November 1999.

Lombardo, F.A., "Common Chemotherapy Protocols-Part I" *Seminar*, Department of Radiation Oncology, Howard University Hospital, Washington, DC, 30 November 1999.

Lombardo, F.A., "Common Chemotherapy Protocols-Part II", *Seminar*, Department of Radiation Oncology, Howard University Hospital, Washington, DC, 14 December 1999.

Lombardo, F.A., "The Use of Tramadol in Pain Associated with Sickle Cell Disease", *Seminar*, Center for Sickle Cell Disease, Howard University, Washington, DC, 6 March 2000.

Lombardo, F.A., "Growth Factors", *Hematology-Oncology Pharmacy Short Course*, Walter Reed Army Medical Center, Washington, DC, 6 March 2000.

Lombardo, F.A., "Issues for High-Risk Populations and OTC Medications", *147th Annual Meeting and Exposition, American Pharmaceutical Association*, Convention Center, Washington, DC, 14 March 2000.

Lombardo, F.A., "Biotechnology Applications: From Laboratory to Patient Care", *147th Annual Meeting and Exposition, American Pharmaceutical Association*, Convention Center, Washington, DC, 14 March 2000.

Lombardo, F.A., "Safehandling of Antineoplastic Agents", *Certification Course for Oncology Nurses*, Department of Nursing, Howard University Hospital, Washington, DC, 22 March 2000.

Lombardo, F.A., "Chemotherapy Agents-Mechanism of Action", *Certification Course for Oncology Nurses*, Department of Nursing, Howard University Hospital, Washington, DC, 23 March 2000.

Lombardo, F.A., "MICS or Myths", *Pathophysiology Conference*, Department of Medicine, Howard University Hospital, Washington, DC, 15 May 2000.

Lombardo, F.A., "Pain Management in Sickle Cell Disease", *Grand Rounds*, Department of Medicine, Northern Virginia Community Hospital, Arlington, Virginia, 23 May 2000.

Lombardo, F.A., Perlin. E., "Management of Sickle Cell Disease", *Pathophysiology Conference*, Department of Medicine, Howard University Hospital, Washington, DC, 12 June 2000.

Lombardo, F.A., "Understanding Treatment Options", Workshop #31, *First National Conference on Lesbians and Cancer*, The Mautner Project, Washington, DC, 22 September 2000.

Lombardo, F.A., "Psychopharmacology", *Pharmacology in Clinical Nursing*, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, Washington, DC, 20 October 2000.

Lombardo, F.A., and Pittman, J.R., "Antibiotic Update-2000", *Pathophysiology Conference*, Department of Medicine, Howard University Hospital, Washington, DC, 23 October 2000.

Lombardo, F.A., "Update-Antineoplastic Agents", Department of Nursing, Howard University Hospital, Washington, DC, 25 October 2000.

Lombardo, F.A., "Bedside Clinical Pharmacokinetics", *A Refresher Workshop on Pharmacokinetic/Pharmacodynamic Principles and Hands-On Computer Applications*, School of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, Washington, DC, 10 November 2000.

Lombardo, F.A., "Summing Up", Review Summary, *CREST Symposium*, Howard University, Washington, DC, 1 December 2000.

Lombardo, F.A., "The Use of Hydroxyurea with Magnesium in Sickle Cell Disease", The Center for Sickle Cell Disease, The College of Medicine, Howard University, Washington, DC, 8 January 200

Lombardo, F.A., "Drug-Herb Interactions and Clinical Import for Social Workers", *2nd Annual Social Work Symposium*, Natcher Building, National Institutes of Health, Bethesda, Maryland, 11 January 2001.

Lombardo, F.A., "Drug-Herbal Interactions and Integrative Therapy for Urologists", *Grand Rounds*, Department of Urology, Sinai Hospital, Baltimore, Maryland, 23 January 2001.

Lombardo, F.A., "Analgesic Use in Sickle Cell Anemia", The Center for Sickle Cell Disease, Howard University, The College of Medicine, Howard University, Washington, DC, 29 January 2001.

Lombardo, F.A., "Common Chemotherapeutic Regimens for Lung Cancer", *Seminar*, Department of Radiation Oncology, Howard University Hospital, Howard University, Washington, DC, 13 February 2001.

Lombardo, F.A., "Ethical Dilemmas in Clinical Practice". *Panel Discussion in Advanced Clinical Nursing Practice*, Graduate Nursing School, the Uniformed Services University of the Health Sciences, Bethesda, Maryland, 24 April 2001

Lombardo, F.A., "Pharmacology and Women's Health: An Update, *American College of Nurse-Midwives, 46th Annual Meeting and Exhibit*, Washington, DC, 4 June 2001.

Lombardo, F.A., "Osteoporosis: Pharmacothrapeutic Updates", *Monthly Faculty Seminar*, Department of Clinical and Administrative Sciences, School of Pharmacy, Howard University in Collaboration with the Center of Excellence, Howard University, Washington, DC, 21 June 2001.

Lombardo, F.A., "Current Pharmacotherapy of HIV Disease", *National Minority AIDS Education and Training Center Lecture*, Community of Hope, 14th and Belmont Streets, Washington, DC, 30 July 2001.

Lombardo, F.A., "Pharmacists as Health Educators and Risk Communicators in the Prevention of Prostate Cancer", *Continuing Education Program (ACPE # 010-000-01-002-L04)*, School of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, Washington, DC, Delivered at Pier-7 Restaurant, 24 August 2001.

Lombardo, F.A., "Anti-Emetics", *Seminars in Oncology*, Howard University Cancer Center, Howard University, Washington, D.C., 18 October 2001.

CONTINUING EDUCATION PRESENTATIONS: (Selective)

Lombardo, F.A., "New Antineoplastic Agents-1996", *New Drug Update-1996*, Howard University, May 10, 1996.

Lombardo, F.A., "New Antineoplastic Agents and Fluoroquinolones-1997", *New Drug Update-1997*, Howard University, May 9, 1997.

Lombardo, F.A., "Monitoring Laboratory Tests-I", *Continuing Education Program, Howard University*, Tyson's Corner, Virginia, May 15, 1997.

Lombardo, F.A., "Monitoring Laboratory Tests-II", *Continuing Education Program, Howard University*, Tyson's Corner, Virginia, May 22, 1997.

Lombardo, F.A., "Laboratory Monitoring Techniques", *Continuing Education Program, Howard University and Kaiser Permanente*, Kaiser Permanente, Kensington, Maryland, November 14, 1997.

Lombardo, F.A., "Vaccine Therapy Update-1997", *Continuing Education Program, Howard University*, Tragara Restaurant, Bethesda, Maryland, September 11, 1997.

Lombardo, F.A., "Antineoplastic Agent Update", *Continuing Education Program, Howard University*, The Uniformed Services University of the Health Sciences, Bethesda, Maryland, December 18, 1997.

Lombardo, F.A., "Update on Gastrointestinal Tract Agents", *Continuing Education Program, Howard University*, The Uniformed Services University of the Health Sciences, Bethesda, Maryland, October 14, 1997.

Lombardo, F.A., "Oncology Update-I", Continuing Education Lecture, Vencor-Arlington Hospital, Arlington, Virginia, April 9, 1998.

Lombardo, F.A., "Oncology Update-II", Continuing Education Lecture, Vencor-Arlington Hospital, Arlington, Virginia, April 16, 1998.

Lombardo, F.A., "Herbal-Drug Interactions", Continuing Education Lecture, Department of Pharmacy, Northern Virginia Community Hospital, Arlington, Virginia, 13 September 1999.

Lombardo, F.A., "Common Chemotherapeutic Agents Used in Cancer Therapy", Continuing Education Lecture, Radiation Therapists, Division of Allied Health Sciences, College of Pharmacy, Nursing, and Allied Health Sciences, Washington, D.C., 23 September 1999.

Lombardo, F.A., "Antineoplastic Agents Used in Cancer Therapy", Continuing Education Lecture, Practical Nurses, Department of Nursing, Howard University, Washington, D.C., 30 September 1999.

Lombardo, F.A., "Pediatric Oncology", Continuing Education Lecture, Pediatric Nurses, Esprit Homecare, LLC, Leesburg, Virginia, 20 December 2000.

Lombardo, F.A., "Osteoporosis: A Pharmacologic Update", Continuing Education Lecture, Pharmacy Department, Northern Virginia Community Hospital, Arlington, Virginia, 28 June 2001.

TELEVISION PRESENTATIONS:

Lombardo, F.A., Oparaoji, E.C., "Adverse Drug Reactions", Channel 24, Rockville, Maryland, June 2, 1997.

Lombardo, F.A., "25th Anniversary, Howard University Cancer Center, Channel 36, Springfield, Virginia, October 14, 1997.

Lombardo, F.A., "Influenza Update", Channel 24, Rockville, Maryland, October,28, 1996.

Lombardo, F.A., "New Teaching Techniques in Pharmacy Education" Channel 32, WHUT, April 14, 1998.

Lombardo, F.A., Castro, O, Rana,S. "Hydroxyurea in the Treatment of Sickle Cell Disease", Howard University, *Telemedicine Conference*, April 17, 1998.

Lombardo,F.A., "Understanding Treatment Options", Workshop #31, *First National Conference on Lsbians and Cancer*, The Mautner Project, The Health Channel 2241, 6 August 2001.

RADIO PRESENTATIONS:

Oparaoji,E.C., Lombardo, F.A., Gans, J, "The Pharmacy Profession", *Ask the Pharmacy Doctor*, WWRC-980 AM, March 16, 1997.

Oparaoji,E.C., Lombardo, F.A., Scott, K., Habib, M., "Expiration/Potency of Medications", *Ask the Pharmacy Doctor*, WWRC-980 AM, March 23, 1997.

Oparaoji, E.C., Lombardo, F.A., Bullerman, W., Curry, C., "Pharmaceutical Care",*Ask the Pharmacy Doctor*, WWRC-980 AM, March 30, 1997.

Oparaoji, E.C., Lombardo, F.A., Rosenberg, R., "Osteoporosis", *Ask the Pharmacy Doctor*,WWRC-980 AM, April 13, 1997.

Oparaoji, E.C., Lombardo, F.A., Dawkins, T., "Issues in Contraception", *Ask the Pharmacy Doctor*, WWRC-980 AM, April 19, 1997.

Oparaoji, E.C., Lombardo, F.A., Rosenberg, R., "Arthritis", *Ask the Pharmacy Doctor*, WWRC-980 AM, April 26, 1997.

Oparaoji, E.C., Lombardo, F.A., Leonard-Jeffries,L., Ayuk, P., "Smoking Cessation Programs", *Ask the Pharmacy Doctor*, WWRC-980 AM, May 3, 1997.

Oparaoji, E.C., Lombardo, F.A., Pittman, J.R., Borders-Hemphill, V., "The Proper Use of Sunscreens", *Ask the Pharmacy Doctor*, WWRC-980 AM, May 10, 1997.

Oparaoji, E.C., Lombardo, F.A., Siram, S., "Infections in the ICU", *Ask the Pharmacy Doctor*, WWRC-980 AM, May 17, 1997.

Oparaoji, E.C., Lombardo, F.A., Weir, R., "Neurological Diseases (Stroke)", *Ask the Pharmacy Doctor*, WWRC-980 AM, May 24, 1997.

Oparaoji, E.C., Lombardo, F.A., Butler, D., "Diabetes Management", *Ask the Pharmacy Doctor*, WWRC-980 AM, May 31, 1997.

Oparaoji, E.C., Lombardo, F.A., Gaskins, M., Williams, R., "Issues in Cancer Treatment", *Ask the Pharmacy Doctor*, WWRC-980 AM, June 7, 1997.

Oparaoji, E.C., Lombardo, F.A., Alade, A., "Health Care in Nigeria", *Ask the Pharmacy Doctor*, WWRC-980 AM, June 14, 1997.

Oparaoji, E.C., Lombardo, F.A., Odocha, O., "Issues in Transplant", *Ask the Pharmacy Doctor*, WWRC-980 AM, June 21, 1997.

Oparaoji, E.C., Lombardo, F.A., Lombardo, L.D., "Home Health Care", *Ask the Pharmacy Doctor*, WWRC-980 AM, June 28, 1997.

Oparaoji, E.C., Lombardo, F.A., Obisesan, T., "Geriatric Diseases", *Ask the Pharmacy Doctor*, WWRC-980 AM, July 5, 1997.

Oparaoji, E.C., Lombardo, F.A., Gaskins, M., Williams, R., "Breast Cancer", *Ask the Pharmacy Doctor*, WWRC-980 AM, July 12, 1997.

Oparaoji, E.C., Lombardo, F.A., Williams, R.G., "Hypertension", *Ask the Pharmacy Doctor*, WWRC-980 AM, July 19, 1997.

Oparaoji, E.C., Lombardo, F.A., Siram, S., "Trauma", *Ask the Pharmacy Doctor*, WWRC-980 AM, July 26, 1997.

Oparaoji, E.C., Lombardo, F.A., Shah, Z., "Cardiac Diseases", *Ask the Pharmacy Doctor*, WWRC-980 AM, August 2, 1997.

Lombardo, F.A., McNeil, J., "HIV/AIDS", *Ask the Pharmacy Doctor*, WWRC-980 AM, August 9, 1997.

Oparaoji, E.C., Lombardo, F.A., Smoot, D., " GI Diseases & Treatments", *Ask the Pharmacy Doctor*, WWRC-980 AM, August 16, 1997.

Lombardo, F.A., Oparaoji, E.C., Lombardo, L.D., McCracken, D., "Fatigue", *Ask the Pharmacy Doctor*, WWRC-980 AM, March 29, 1998.

Barksdale, T.S., Lombardo, F.A., "Proper Use of Medications", *Horizons*, WHUR 96.3 FM, Washington, DC, 26 February 1999.

MEMBERSHIPS AND OFFICES HELD:

Chairman, Continuing Education Committee, Division of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, 1998-Present

Chairman, Pain Management Task Force, Department of Medicine, Howard University Hospital, September, 1997-Present

Member, Executive Committee, Howard University Cancer Center, 1995-1997

Member, Pharm. D. Research Committee, 1995-Present

Member, Search Committee for Chairman, Department of Clinical and Administrative Pharmacy Sciences, 1997-Present.

Member, Committee on Committees, College of Medicine, 1997-Present

Member, Cancer Committee, Howard University Cancer Center, 1995-Present

Member, Pain Management Committee, Howard University Hospital, 1995-Present

Member, Informatics Committee, Howard University, 1997-Present.

Member, Pharm.D. Education Committee, 1998-Present

Member, University-Wide Graduate/Professional Judicial Board, Howard University, 1998-Present

Member, Adverse Drug Reaction Subcommittee, Pharmacy and Therapeutics Committee, Howard University Hospital, 1995-Present.

Member, Antibiotic Subcommittee, Pharmacy and Therapeutics Committee, Howard University Hospital, 1995-Present.

Member, Pharmacy and Therapeutics Committee, Howard University Hospital, 1995-Present.

Chairman, Pain Management Committee, Howard University Cancer Center, 1996-Present.

Member, Graduate Research Committee, Howard University Cancer Center, 1996-Present.

Member, Investigators and Grant Preparation Committee, Center for Sickle Cell Disease, College of Medicine, Howard University, 1996-Present.

Member, Nutrition Support Committee, Howard University Hospital, 1998-Present.

Member, Nutrition Research Committee, Howard University Cancer Center, 1996-Present.

Member, Admission, Retention, and Recruitment Committee, School of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, 1998-Present.

Editorial Staff, *Pharmacy Newsletter*, Department of Pharmacy, Howard University Hospital, Howard University, 1997-Present

Assistant Editor, *The Challenge*, Center for Sickle Cell Disease, Howard University, 1999-Present.

Member, East Coast Population Analysis Group, Pharmaceutical Outcomes Research, 1997-Present

Member, Executive Committee, Mid-Atlantic Education and Training Center DC Local Performance Site at Howard University, 1999-2000 grant year.

Member, Library Systems Research/Resources Committee, Faculty Senate, Howard University.

Member, Curriculum Self-Study Subcommittee, School of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University.

Member, CREST Committee, Howard University.

Member, University of Wisconsin HealthSystem Consortium, 1998 Albumin Nonprotein Colloid and Crystalloid Consensus Development Process.

Member, Expert Panel on Antineoplastics, *The United States Pharmacopoeia*, Rockville, Maryland, August 2000.

Member, Advisory Review Panel for the *Strategic Framework for Action's* Fund for Academic Excellence Grants Program, Howard University, 2000

Reader, The Comprehensive Program, The Fund for the Improvement of Postsecondary Education, U.S. Department of Education, Washington, DC, 13 February 2001.

Elected Member, Council of Experts Committee, United States Pharmacopeia Convention 2000, Rockville Maryland, 2000-Present

Fellow, American Society of Consultant Pharmacists, 2001-Present

Interviews/Newspaper Publications:

Otto,A., Lombardo, F., "New Treatment for Cutaneous Lymphoma Approved", Clinical News, *Pharmacy Today*, Vol. 6, No.2., February 2000.

Otto,A., Lombardo, F., "Gemtuzumab Ozogamicin Approved For Acute Myeloid Leukemia", Drug News, *Pharmacy Today*, Vol 6, No. 7, July, 2000 p. 14.

Otto,A., Lombardo,F., "Arsenic Trioxide:"Remarkable" Effect on Acute Promyelocytic Leukemia", Drug News, *Pharmacy Today*, Vol 6, No. 11, November, 2000, p. 8.

PROFESSIONAL ORGANIZATIONS- PHARMACY PRACTICE

Member, American Society of Health-System Pharmacists

Member, Special Practice Group, Oncology, American Society of Health Organization Pharmacists.

Member, American Pharmaceutical Association

Member, National Pharmaceutical Association

Member, American Association of Consultant Pharmacists

Member, American Association of Colleges of Pharmacy

Member, American College of Clinical Pharmacy

Member, Pennsylvania Pharmaceutical Association

Member, American Association of Nigerian Pharmacists

Member, Virginia Pharmaceutical Association

Member, Potomac Pharmaceutical Association

Member, The National Community Pharmacists Association

Member, The National Home Infusion Association

Member, *Rho Chi* Society, School of Pharmacy, Howard University

Co-Advisor, *Phi Lambda Sigma*, Pharmacy Leadership Society, School of Pharmacy, Howard University

Member, *Sigma Xi*, The Scientific Research Society, Howard University

MEMBERSHIP CANCER RESEARCH GROUPS:

Member, Southwest Oncology Group, 1980-1985

Contributing Member, Pediatric Oncology Group, 1980-1992

Member, Protocol Review Committee, Pediatric Oncology Group, 1986-1990

Member, Drug Standardization Subcommittee, Pediatric Oncology Group, 1981-1986

Chairman, Pharmacy Committee, Pediatric Oncology Group, 1989-1991

Member, Phase I Working Group, National Cancer Institute, 1986-1992

Member, Cancer and Leukemia Group B, 1986-1992

Member, Eastern Cooperative Oncology Group, 1997-Present

Member, North Central Cancer Treatment Group, 1998-Present

MILITARY SCHOOLS:

Officer Basic Course, Fort Sam Houston, Texas

Officer Advanced Course, Fort Sam Houston, Texas

Army Medical Department Logistic Management Course, Fort Sam Houston, Texas

MILITARY AWARDS:

Army Service Medal

Army Commendation Medal

Army Commendation Medal, First Oak Leaf Cluster

Army Commendation Medal, Second Oak Leaf Cluster

Army Commendation Medal, Third Oak Leaf Cluster

Army Achievement Medal

Rank Achieved: Lieutenant Colonel, MSC

SPECIAL MEMBERSHIP:

Course Director, Orientation to Hematology-Oncology Pharmacy, 1987-1992

Course Coordinator, Orientation to Hematology-Oncology Pharmacy Practice, 1986-1987

Member, Autologous Bone Marrow Transplant Team, Brooke Army Medical Center, 1982-1985

Member, Autologous Bone Marrow Transplant Team, Walter Reed Army Medical Center, Washington, DC 1989-1992

Member, American Society of Hospital Pharmacists Accreditation Team for Specialized Residencies, 1990-1992.

Member, ASHP Accreditation Team for Emory University Residency Program, 1991.

Contributor, Hematologic and Neoplastic Disease Committee of the United States Pharmacopoeial Convention, 1986-1994

Member, Mid-Atlantic Oncology Advisory Group, 1997-Present

Member, University of Wisconsin HealthSystem Consortium, 1998 Albumin, Nonprotein Colloid and Crystalloid Consensus Development Process, 1998-Present

Co-Host, "Ask the Pharmacy Doctor" Radio Program, WWRC-980 AM, 1997-Present

Member, SmithKline Beecham Pharmaceuticals' Consultants Group, 1998-Present

Member, 1999 Neutrexin Regional Advisory Board, 1999-Present.

Editorial Staff, *Pharmacy Newsletter*, Howard University Hospital, 1997-Present

Editorial Staff, *The Challenge*, Howard University Center for Sickle Cell Disease, Howard University, 1997-Present.

Member, Rhone-Poulenc Rorer Pharmaceuticals, Inc. (RPR) Docetaxel Advisory Board, 1999.

RESEARCH AWARDS:

The Upjohn Research Award, 1986, and 1992

The Pharmacy Practice Research Award of the American Society of Health-System Pharmacists Research and Education Foundation for the Outstanding Contribution to the Literature of Research Related to Pharmacy Practice in Organized Health Care Settings, 1994. (Presented at Miami Beach, Florida, ASHP Mid-Year Clinical Meeting, December, 1994.)

OTHER AWARDS AND HONORS:

Certificate of Appreciation for Outstanding Service and Contributions to the Pharmacy Program, Duquesne University, Black Lion Battalion, 19 October 1986

Honored Faculty Award, College of Pharmacy and Pharmaceutical Sciences, Howard University, May, 1997.

Excellence in Leadership Award For Outstanding Leadership in Clinical Pharmacy Services for 1997-1998 at Howard University Hospital, October, 1998.

Keynote Speaker, Doctor of Pharmacy Graduating Class of 1997, May, 1997

Honored Faculty Award, Division of Pharmacy, College of Pharmacy, Nursing, and Allied Health Sciences, Howard University, May, 1998.

Certificate of Appreciation, Howard University College of Medicine, Program in Clinical Ethics, For Outstanding Leadership and Teaching in the Health Care Ethics Course, 1997-1998.

Listed in *Who's Who in Medicine and Healthcare*, 2nd Ed. 1998-2000, p. 518.

Listed in *Who's Who in Medicine and Healthcare*, 3rd Ed., 2000-2001

Listed in *Who's Who in Science and Engineering*, 2000-2001, 5th Edition.

Listed in *Who's Who in the World*, 2000-2001, 17th Edition.

Listed in *Who's Who in the United States*, 2000-2001, 5th Edition.

Listed in *Who's Who in Finance and Industry*, 2000-2001. 32nd Edition.

Certificate of Appreciation, Department of the Army, Walter Reed Army Medical Center, Hematology-Oncology Pharmacy Services Course, 22 February 1999- 5 March 1999.

Article concerning accomplishments, *The Capstone*, Faculty Focus, Vol. 20, No. 7, 26 April 1999, p.8.

Certificate of Appreciation, Department of the Army, Walter Reed Army Medical Center, Support of Annual Hematology-Oncology Pharmacy Short Course, 28 February 2000 through 10 March 2000.

Letter of Appreciation, Chief, Radiation Oncology, Howard University Hospital, Support of Graduate Teaching Program, Radiation Oncology, 14 December 1999.

Letter of Appreciation, Executive Director/CEO, Howard University Hospital, Participation and Dedication at the NBC4 Your Health and Fitness Expo, 21 January 2000.

Letter of Appreciation, American Pharmaceutical Association, Participation in the 147th Annual Meeting and Exposition, Washington, DC, 17 April 2000.

Letter of Appreciation, Graduate School of Nursing, Uniformed Services University of the Health Sciences, Bethesda, Maryland, 1 June 2001.

Fellow, American Society of Consultant Pharmacists, Alexandria, Virginia, 2001

COURSES TAUGHT AT OTHER INSTITUTIONS:

FAES Graduate School at the National Institutes of Health, Bethesda, Maryland: PHAR 311- Current Concepts in Nursing Pharmacology and Therapeutics. (3 graduate credits)

The Catholic University of America, Washington, DC: N-610- Pharmacology in Advanced Nursing.
(3 graduate credits)

Uniformed Services University of the Health Sciences , F. Lee Hebert School of Medicine, Bethesda, Maryland: Ethical, Legal and Social Aspects of Medical Care (3 graduate credits)

Montgomery College, Tacoma Park, Maryland: Pharmacology in Oncology (3 undergraduate credits)

Howard University College of Medicine, Washington, D.C.: Clinical Biochemistry (222-182-03)
& (901-182-02) (2 or 3 graduate credits)

University of Maryland, School of Nursing, Shady Grove Campus, Rockville, Maryland.

University of Maryland, Graduate School of Nursing, Shady Grove Campus, Rockville, Maryland.

University of Maryland, School of Nursing, Baltimore, Maryland

KIMDUNG THI DINH

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EDUCATION

BS Degree in Chemistry, May 1992 (GWU)
BS Degree in Zoology, May 1992 (GWU)
Pharm.D., May 2001 (Howard University)

EXPERIENCES

June 01 to present	Oncology Pharmacy Fellowship, Howard University
February 99 to May 01	Pharmacy Technician at INOVA FairOaks Hospital Duty: IV preparation, SUREMED inventory, and Order entry.
Summer 98 to	Pharmacy Technician at CVS Duty: Customer assistance, Order entry, Prescription preparation.
Fall 95 to Summer 97	Research project at the George Washington University, Pharmacology Department. Subject Studied: Quantitative Assay for Angiogenesis
Summer 94 to Summer 95	Research Assistant at the George Washington University, Biological Sciences Department. Subject Studied: Molecular Characterization of Glyoxysome in Castor Beans.
Summer 92 to Summer 94	Research Assistant at the National Institute of Health. Subject Studied: Molecular Study of Sick Cell Anemia.
Spring 90, 91 And 92	Independent Study at the George Washington University, Biological Sciences Department. Subject studied: Molecular Study of MDR1 gene in human.
Summer 90	Lab assistant at VERSAR, Springfield, VA. Duties: Preparing samples including water, soil, brick, oil, and Wipes for analytical instrumental analysis such as GC or GC/MS.

PERSONAL

U.S. Citizen
Member of the Rho Chi at Howard University (National
Pharmaceutical Honor Society)
Member of American Pharmaceutical Association
Vice-President of Vietnamese Cultural Society of Washington and
Metropolitan Area.

REFERENCE

Dr. Cynthia Warrick. Phone # (202) 806-4919
Glenn Anderson. Phone # (703) 391-3640
Director of Pharmacy at INOVA FairOaks:
Dr. Robert Donaldson. Phone # (202) 994-6090