

# Ronald M. Dick

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**Personal**     Date and Place of Birth:                      Miami, Florida

Pharmacy Licensure:                              Louisiana

| <b>Education</b> | <u>College/University</u>        | <u>Major</u>      | <u>Dates</u> | <u>Degree</u> |
|------------------|----------------------------------|-------------------|--------------|---------------|
|                  | Miami-Dade Comm. College         | ----              | 1974-75      | ----          |
|                  | University of Florida            | ----              | 1975-76      | A.A.          |
|                  | Florida State University<br>B.S. | Biology           | 1976-78      |               |
|                  |                                  | Chemical Science  | 1976-78      | B.S.          |
|                  | University of South Carolina     | Pharmacy          | 1978-86      | B.S.          |
|                  |                                  | Neuropharmacology | 1978-86      | Ph.D.         |

| <b>Experience</b> | <u>Institution</u>                                  | <u>Position</u>  | <u>Dates</u>                                |
|-------------------|---|--|---|
| Present           | DNP Program in Anesthesiology<br>Barry University   | Professor  | May 2018 –                                  |
| Present           | M.S. Program in Anesthesiology<br>Barry University  | Professor  | Jan. 2002 –                                 |
|                   | School of Pharmacy<br>Univ. of Louisiana - Monroe   | Assoc. Prof.<br>P'col/Tox<br>Director, LA. Drug<br>and Poison Center | July 1991- Jan. 2002<br>Jan. 1992-Oct. 1999 |
|                   |   | Asst. Prof.<br>P'col/Tox   | Sept. 1986-July 1991                        |
|                   | College of Pharmacy<br>University of South Carolina | Instructor<br>Pharmaceutics<br>Research Asst.                        | Sept. 1984-May 1986<br>May 1982-Aug.        |
| 1984              |   | Teaching Asst.   | Sept. 1978-May 1982                         |

## Honors and Awards

The AppLE Award, Appreciation for Leading Educators, Barry University, 2004, 2006

Crystal Apple Award for Innovation in Education, by AANA, 2004

Pharmacy Teacher of the Year, by Rho Chi – 2000

“COOL Web-Find” award by Emergency Nursing World! For AAPCC Web Site, January 1997.

Named to AAPCC Presidents Top 10 “Movers and Shakers” List for 1995

Selected as American Association of Poison Control Centers Liaison to SOT, 1995

Poster Concept selected for 1994 National Poison Prevention Week Poster

Pharmacy Teacher of the Year, by Kappa Epsilon - 1991

Pharmacy Teacher of the Year, by Kappa Epsilon - 1989

Faculty Appreciation Award, by Omicron Delta Kappa - 1988

Pharmaceutical Manufacturers Association Industrial Visitation Program for Pharmacy Faculty (Sterling-Winthrop) - 1987

Outstanding Young Men of America - 1984

Nominated for Amoco Outstanding Graduate Student Teaching Award, University of South Carolina - 1983

Finalist in Sigma Xi Research Paper Competition, University of South Carolina 1981

Selected to attend Pharmacogenetics Training Session, University of Colorado, July-Aug., 1980

**Teaching History**

|      | <u>Course</u>                                | <u>Institution</u> | <u>Years</u> |
|------|--|--------------------|--------------|
|      | Advanced Pathophysiology (NURA 510)<br>2019  | Barry University   |              |
|      | Sci Foundations of Adv Pharm (NURA 618)      | Barry University   | 2019         |
|      | Adv Pharm for ANE Practice (ANE 617)<br>2019 | Barry University   |              |
|      | Physical Sciences for ANE (ANE 610)          | Barry University   | 2018         |
| 2018 | Pathophysiology I (ANE 520)                  | Barry University   | 2015-        |
|      | Pathophysiology II (ANE 565A)<br>2013-2018   | Barry University   |              |
|      | Pathophysiology III (ANE 585A)<br>2013-2018  | Barry University   |              |
| 2018 | Pharmacology I (ANE 510)                     | Barry University   | 2002-        |

|      |   |                    |           |
|------|---|--------------------|-----------|
| 2018 | Pharmacology II (ANE 555A)  | Barry University   | 2002-     |
| 2018 | Pharmacology III (ANE 580A)   | Barry University   | 2002-     |
| 2018 | Chemistry and Physics for Anesthesia<br>(ANE 560) (Fall and Spring Semesters) | Barry University   | 2008-     |
| 2019 | Transition Into Nurse Anesthesiology<br>(ANE 695) Online Course (70% Effort)  | Barry University   | 2005-     |
| 2015 | Advanced Research & Evidence Based Prac.<br>(ANE 627A) (20% effort)           | Barry University   | 2007-     |
|      | Senior Seminar I (ANE 650) (30% effort)<br>2002-2018                          | Barry University   |           |
| 2014 | Senior Seminar II (ANE 670) (7% Effort)                                       | Barry University   | 2002-     |
| 2019 | Comprehensive Exam (CMP 699) (20% effort)                                     | Barry University   | 2002-     |
| 2016 | Applied Biostatistics (HSA-535-08)  | Barry University   | 2013-     |
| 2005 | Introduction to Nurse Anesthesiology<br>(ANE 699s) Online Course (70% effort) | Barry University   | 2003-     |
|      | Biochemistry for Anesthesia I (ANE 515)<br>2002-2005                          | Barry University   |           |
| 2006 | Research Methodology I (ANE 522)  | Barry University   | 2002-     |
|      | Biochemistry and Physics II (ANE 560)<br>2002-2007                            | Barry University   |           |
| 2006 | Advanced Research II (ANE 627)  | Barry University   | 2002-     |
|      | Medical Pharmacology (BMS 620)  | Barry University   | 2002      |
|      | Graduate Cardiac and Renal Pharmacology<br>(Phar 528)                         | U. of La. - Monroe | 1987-1991 |
|      | Graduate Neuropharmacology (Phar 527)   | U. of La. - Monroe | 1986-2001 |
|      | Graduate Psychopharmacology (Phar 526)  | U. of La. - Monroe | 1987-1992 |

|      |  |                      |           |
|------|--|----------------------|-----------|
|      | Graduate Instrumental Methods in Pharmacology (Phar 522) | U. of La. - Monroe   | 1987-1990 |
|      | Graduate Advanced Pharmacology (Phar 521)                | U. of La. - Monroe   | 1987-2001 |
|      | Directed Study (Phar 551 and 651)                        | U. of La. - Monroe   | 1988-1991 |
| 1992 | Graduate Research (Phar 594 and 694)                     | U. of La. - Monroe   | 1988-     |
|      | Thesis (Phar 599)  | U. of La. - Monroe   | 1990-1991 |
|      | Dissertation (Phar 699)                                  | U. of La. - Monroe   | 1987-1992 |
|      | Introduction to Pharmacy (Phar 320)                      | U. of La. - Monroe   | 1994-1998 |
| 1999 | Pharmacy Care Lab I (Phar 321)                           | U. of La. - Monroe   | 1998-     |
|      | Pharmacy Care Lab IV (Phar 428)                          | U. of La. - Monroe   | 2000      |
|      | Pharmacology I (Phar 413)                                | U. of La. - Monroe   | 1987-1999 |
|      | Pharmacology II (Phar 414)                               | U. of La. - Monroe   | 1989-2001 |
| 1991 | Analytical Toxicology (Tox 415)                          | U. of La. - Monroe   | 1989-     |
|      | Drug Literature Evaluation (Phar 471)                    | U. of La. - Monroe   | 1992-1996 |
| 1989 | Diseases and Therapeutics I (Phar 438)                   | U. of La. - Monroe   | 1987-     |
|      | Clinical Toxicology (Phar 484)                           | U. of La. - Monroe   | 1987-1989 |
|      | Problems (Phar 465)                                      | U. of La. - Monroe   | 1988-1991 |
|      | Biopharmaceutics and Pharmacokinetics                    | Univ. of S. Carolina | 1984-1986 |
|      | Dispensing and OTC Medications                           | Univ. of S. Carolina | 1984-1986 |
|      | Special Topics in Pharmacy                               | Univ. of S. Carolina | 1984-1986 |
|      | Pharmacology II  | Univ. of S. Carolina | 1985      |
|      | Pharmacology III   | Univ. of S. Carolina | 1985      |
|      | Pharmaceutics III  | Univ. of S. Carolina | 1985      |
|      | Pharmacology Lab   | Univ. of S. Carolina | 1978-1984 |
|      | Medicinal Chemistry Lab                                  | Univ. of S. Carolina | 1980      |

## Publications

### Textbook

Chapter 1: Pharmacokinetics: The Study of Drug Disposition, in R. Ouellette & J. Joyce (Eds.), *Pharmacology for Nurse Anesthesiology*. Jones & Bartlett, 2011.

Chapter 2: Pharmacodynamics: The Study of Drug Action, in R. Ouellette & J. Joyce (Eds.), *Pharmacology for Nurse Anesthesiology*. Jones & Bartlett, 2011.

### Journal

Tools of the Trade: The Louisiana Drug and Poison Information Center, Dick, R.M., Res Scholaris, Spring/Summer, 1997.

The Electronic Journal: Revolution in Academic Publishing, Medon, P., Hunter, T., Hood, R., and Dick, R., Res Scholaris, **2 (2)**, 21 (1996).

Iron/Ascorbate-Induced Lipid Peroxidation Changes Membrane Fluidity and Muscarinic Cholinergic Receptor Binding in Rat Frontal Cortex, Ghosh, C., Dick, R.M. and Ali, S.F., Neurochem. Int., **23 (5)**, 479 (1993).

Carbofuran Metabolism and Acetylcholinesterase Inhibition in the Isolated Perfused Rat Lung, Pillai, U.A., Ace, L.N., Dick, R.M. and Ferguson, P.W., Pestic. Biochem. Physiol., **45 (2)**, 141 (1993).

cis-1,2,3a,4,5,9b-hexahydro-3H-benz[e]indoles: Synthesis and in vitro Binding Affinity at Dopamine D1 and D2 Receptors, Cruse, S.F., Lear, J., Andersen, P.H., Dick, R.M. and Crider, A.M., J. Pharm. Sci., **82 (3)**, 334 (1993).

Ester and Amide Prodrugs of Ibuprofen and Naproxen: Synthesis, Anti-Inflammatory Activity, and Gastrointestinal Toxicity., Shanbhag, V.R., Crider, A.M., Gokhale, R., Harpalani, A. and Dick, R.M., J. Pharm. Sci., **81 (2)**, 149 (1992).

Synthesis of cis-4-Methyl-3-Phenylpyrrolidines as Potential Dopaminergic Agonists, Crider, A., Sylvestri, S., Tschappat, K., Dick, R. and Leader, W., J. Heterocyclic Chem., **25**, 1407 (1988).

Development of G-C Radioassay Methodology for the Detection of <sup>3</sup>H-ACh and <sup>3</sup>H-Ch, Dick, R.M., Kosh, J.W., and Freeman, J.J., J. Chrom., **347**, 387 (1985).

IN VIVO Acetylation of Homocholine and  $\beta$ -methylcholine in Rat Brain, Dick, R.M., Kosh, J.W., and Freeman, J.J., Life Sci., **36 (12)**, 1183 (1985).

Choline Post-Mortem Increase: Effect of Tissue, Agitation, pH and Temperature, Kosh, J.W., Dick, R.M., and Freeman, J.J., Life Sci., **27 (21)**, 1953 (1980).

### Computer Software

AAPCC - on the Web, an Internet WWW server system for AAPCC member information dissemination, 1995 - 1998.

PCCSYSTEM Data Collection Software, Versions 1.0 - 1.9, Dick, R.M., Louisiana Drug and Poison Information Center, 1993 - 1999 (contributed to Poison Control Centers nationwide).

Digicord Telephone Recording Software for Poison Control Centers, Version 1.0, Dick, R.M., ReCall Telephonics, Inc., 1995.

Interactive Pharmacology Series, Isolated Heart Experiments, Dick, R.M., American Association of Colleges of Pharmacy, 1989.

Gas Chromatographic Radioassay Calculation Software, Dick, R.M., Univ. of South Carolina, 1986.

Pharmacology Laboratory Quiz Software, Dick, R.M., Univ. of South Carolina, 1981.

### Abstracts

Efficient Data Collection – Back to Paper?, Dick R, J Tox Clin Tox, **36 (5)**, 478, (1998).  
Hematuria From Home-Manufactured GHB, Wiley J, Dick R, Arnold T, J Tox Clin Tox, **36 (5)**, 502, (1998).

Lindane: A Case of Dangerous Playtime, Ryan ML, Arnold TC, Dick RM, J Tox Clin Tox, **36 (5)**, 467, (1998).

Don't Drink The Punch, Lee CC, Ryan ML, Arnold TC, Dick RM, J Tox Clin Tox, **36 (5)**, 498, (1998).

Accidental Death From Methyl Bromide Exposure, Fontenot M, Dick R, Arnold T, J Tox Clin Tox, **36 (5)**, 463, (1996).

Louisiana Peppers: Too Hot to Handle, Lee C.L., Ryan M.L., Arnold T.C., Dick R.M., J Tox Clin Tox, **35 (5)**, 528, (1997).

Nitrogen Tetroxide: Here Today, Gone Tomorrow? Lee C., Ryan M., Dick R., Arnold T., J Tox Clin Tox, **34 (5)**, 589, (1996).

Orange Cloud Over Bogalusa: A Large Scale Nitrogen Tetroxide Exposure, Adams E., Lee C., Ryan M., Dick R., Arnold T., J Tox Clin Tox, **34 (5)**, 590, (1996).

HPLC Analysis of Biological Polyamines Utilizing Selective Enzyme-Polymer Electrochemical Detection, Dick, R.M. and Chaudhuri, J., FASEB J., **5 (4)**, A505 (1991).

Carbofuran Toxicity and Clearance in the Isolated Perfused Rat Lung, Pillai, U.A., Kunjathoor, V.V., Dick, R.M. and Ferguson, P.W., FASEB J., **5 (4)**, A483 (1991).

HPLC Analysis of Choline and Acetylcholine Utilizing Selective Enzyme-Polymer Electrochemical Detection, Dick, R.M., Chaudhuri, J. and Ghosh, C., Pitt. Con. Bulletin, 427P (1991).

Lipid Peroxidation-Induced Alteration of Membrane Fluidity and Muscarinic Cholinergic Binding in Rat Frontal Cortex, Ghosh, C., Dick, R.M. and Ali, S.F., South Central Chap. Soc. Tox. Bulletin, (1991). (Recipient of "Best Platform Presentation" Award).

Carbofuran Metabolism in the Isolated Perfused Rat Lung, Pillai, U.A., Ace, L.N., Dick, R.M. and Ferguson, P.W., South Central Chap. Soc. Tox. Bulletin, (1991).

Carboxylesterase Activity of Rat Brain Synaptosomes, Ghosh, C. and Dick, R.M., South Central Chap. Soc. Tox. Bulletin, (1990).

Carbofuran Toxicity and Clearance in the Isolated Perfused Rat Lung, Pillai, U.A., Kunjathoor, V.V., Dick, R.M., and Ferguson, P.W., South Central Chap. Soc. Tox. Bulletin, (1990).

Interactive Video Simulations in Pharmacology Laboratory Instruction, Dick, R.M., FASEB J., **4 (3)**, C11 (1990).

Esterase and Glutathione S-Transferase Activity in Drosophila melanogaster, Khansari, M.G. and Dick, R.M., FASEB J., **4 (3)**, 299 (1990).

Improvements in HPLC-EC Detection of Acetylcholine and Choline Utilizing Butyrylcholinesterase and Choline Oxidase in Covalent Post-Column Reactors, Sylvestri, S.C. and Dick, R.M., FASEB J., **3 (3)**, 3853 (1989).

Effect of DFP and Paraoxon on Acetylcholinesterase Activity in Different Strains of Drosophila melanogaster, Khansari, M.G. and Dick, R.M., FASEB J., **3 (3)**, 5588 (1989).

Synthesis and Dopaminergic Activity of 3-Phenylpyrrolidines, Crider, M., Cruse, S., Sylvestri, S., and Dick, R., Phar. Res., **5 (10)**, S-42 (1988).

Effect of DFP and Paraoxon on Acetylcholinesterase Activity in D. melanogaster, Khansari, M.G. and Dick, R.M., South Central Chap. Soc. Tox. Bulletin, (1988).

Effect of Potential New Autoreceptor Agonist Drugs on Motor Activity in Rats, Sylvestri, S.C., Dick, R.M., and Crider, A.M., South Central Chap. Soc. Tox. Bulletin, (1987).

Effect of 3-Phenyl-1-Alkylpyrrolidines on Locomotor Activity in the Rat, Sylvestri, S.C., Dick, R.M., and Crider, A.M., Neurosci. Abstr., **13 (1)**, 451, (1987).

IN VIVO Acetylation of  $\beta$ -methylcholine and Homocholine, Dick, R.M., Freeman, J.J., and Kosh, J.W., Fed. Proceed., **41**, 6159 (1982).

IN VIVO Acetylation of  $\beta$ -methylcholine and Homocholine, Dick, R.M., Freeman, J.J., and Kosh, J.W., South Carolina Acad. Sci. Bulletin, **45**, (1982).

Choline Post-Mortem Increase: Effect of Tissue, Agitation, pH and Temperature, Dick, R.M., Freeman, J.J., and Kosh, J.W., South Carolina Acad. Sci. Bulletin, **44**, (1981).

Choline Post-Mortem Increase: Effect of Tissue, Agitation, pH and Temperature, Kosh, J.W., Dick, R.M., and Freeman, J.J., Soc. Neurosci. Abstr., **6**, 153 (1980).

#### Other Publications

Acetylcholine and Choline Analysis by HPLC Post-Column Enzyme Reactor, Test Chromatogram, Alltech/Applied Science Catalog, **200**, 431 (1989).

## Grants and Contracts

### Funded or Pending

2005-2006 Smarter Kids Grant for Improving Educational Technology in Nurse Anesthesia. SmarterKids.Org, \$2,110.00, Funded, 2006.

Comparison and Implementation of Compressed Video Techniques for Distance Learning and Inclusion into ANE 699S – Introduction to Nurse Anesthesia, CELT Title III Mini Grant Program, Barry University, \$4,000.00 (Funded for Equipment/software – no release time), 2004.

Wireless Networking for Pharmacy Education, University of Louisiana at Monroe, STAP Funds, \$14,372.00 (Funded), 2001.

Automation of Pharmacy Dispensing, Wal-Mart, \$15,000.00 equipment donation (Funded), 2000.

Louisiana Poison Control Center Appropriation Enhancement, Louisiana State Legislature, \$200,000.00 (\$100,000.00 additional annual appropriation funded), 1998.

Enhancing Public Availability of Activated Charcoal as a Poisoning Antidote in Louisiana, Requa, Inc., \$11,164.24 (Funded), 1998.

Louisiana Poison Control Center Appropriation Enhancement, Louisiana State Legislature, \$319,000.00 (\$200,000.00 additional annual appropriation funded), 1996.

The Design, Implementation and Evaluation of a Worldwide Electronic Pharmacy Journal, T. Hunter, R. Hood, R.M. Dick, P.J. Medon, American Association of Colleges of Pharmacy GAPS Program, \$23,650.00 (Funded), 1995.

Louisiana Poison Control Center Funding Enhancement, Louisiana State Legislature, \$400,000.00 (\$200,000.00 additional annual appropriation funded), 1994.

Louisiana Poison Control Center Billboard Advertisements, R.M. Dick, Metro Home Health and Lamar Advertising Co., \$2,500.00 (Funded), 1993.

Enzyme Reactors and Biosensors for HPLC Analysis, R.M. Dick, Alltech/Applied Science Laboratories, \$41,085.00 (Partial Funding Approved (\$10,000.00), July 19, 1990), 1990.

Development of Interactive Video Teaching Methods for Pharmacology Laboratory Instruction, R.M. Dick, American Association of Colleges of Pharmacy GAPS Program, \$27,145.00 (Funded), 1988-1990.

HPLC Analysis of Acetylcholine and Choline Utilizing Bound Enzyme Reactor Columns, R.M. Dick, Alltech/Applied Science Laboratories, \$5000.00 (Funded), 1988.

### Non-Funded



Robotic Dispensing System – A Pre-Proposal, Eckerd Drugs, \$95,000.00 (Not Funded), 2001.

Enhancement of Biotechnology Education and Training in the Pharmaceutical Sciences, LEQSF Enhancement Program, \$71,657.36 (Approved, not funded), 1991.

Development of Multimedia Courseware for Enhancing Pharmaceutical Education, American Association of Colleges of Pharmacy, GAPS Program, \$29,376.00 (Approved, not funded), 1991.

Electronic Pocket Drug Information System for Clinical Pharmacy Practice, American Association of Colleges of Pharmacy, GAPS Program, \$19,968.00 (Not Funded), 1990.

3-Phenylpyrrolidines - Novel Dopamine Presynaptic Agonists, M. Crider and R. Dick, ADAMHA Small Grant Program, \$32,488.00 (Approved, not funded), 1989.

Interactive Video Program for Biotechnology Education to Pharmacy Students, R.M. Dick, American Association of Colleges of Pharmacy, GAPS Program, \$17,226.00 (Approved, not funded), 1989.

Determination of Cardiovascular and Neuropharmacologic Activity of Constituents of Lemna minor, R.M. Dick, Louisiana Board of Regents Grants, \$36,455.00 (Approved, not funded), 1988-1990.

Molecular Drug Design Laboratory (MoDDeL) Program for Louisiana, R.M. Dick and P.J. Medon, Louisiana Board of Regents Grants, \$753,971.77 (Not Funded), 1987-1990.

## Other Scholarly Activities

### Seminars and Presentations

Anesthetics, 29, 2015. Pharmacology of the General Anesthetics - 2015 Review: Part 1 - Inhalational  
Invited to present at the AANA 2015 Annual Congress, Salt Lake City, August

Anesthetics, 29, 2015. Pharmacology of the General Anesthetics - 2015 Review: Part 2 - Parenteral  
Invited to present at the AANA 2015 Annual Congress, Salt Lake City, August

The Noble Gases: Their Developing Role in Anesthesia and Medicine, Presented at the AANA Annual Meeting, Orlando, FL, September 13, 2014

Current Concepts of Local Anesthetic Pharmacology, Presented at the AANA Annual Meeting, Orlando, FL, September 13, 2014

Review of Pharmacokinetics and Pharmacodynamics: What Does the CRNA Need to Consider, Presented at the AANA Annual Meeting, Las Vegas, NV, August 10, 2013.

To Clot or Not to Clot: The Role of the Antifibrinolytics, Presented at the AANA Annual Meeting, Las Vegas, NV, August 10, 2013.

Medical Errors, Part III, Medication Errors: What Can We Do?, Presented at the FANA Annual Meeting, Orlando, FL, October 21, 2012.

Update on Pharmacokinetics and Pharmacodynamics of Inhaled Anesthetic Agents, Presented at the FANA Annual Meeting, Orlando, FL, October 23, 2011.

Holding Your Anesthesia Practice in the Palm of Your Hand, AANA Annual Meeting, Invited Speaker, August 4, 2003.

Poison Centers: How They Serve the Medical Community, 1999 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, March 29-31, 1999.

The Toxicology of Warfare, 1999 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, March 29-31, 1999.

Society of Toxicology's Public Forum for Public Education - "Do you Sing the Chemical Blues?", Panel Member, SOT Annual Meetings, New Orleans, LA, March 13, 1999.

Poison Centers: How They Serve the Medical Community, 1998 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, April 6-8, 1998.

Organophosphates, 1998 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, April 6-8, 1998.

Poison Centers: How They Serve the Medical Community, 1997 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, March 24-26, 1997.

Organophosphates, 1997 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, March 24-26, 1997.

The Role of Poison Control Centers in the Pharmaceutical Community, Xavier University, New Orleans, LA, December 3, 1996.

Technology Update: How to Access the World Wide Web and How to Develop a Home Page, AAPCC Mid-year Managers Meetings, Vanderbilt University, Nashville, TN, April 12, 1996.

Epidemiology of Poisoning and Sources of Information: The Louisiana Poison Control Center and the Medical Community, 1996 Clinical Toxicology Course, LSU Medical Center, Shreveport, LA, April 1, 1996.

Utilizing the AAPCC WWW Site, AAPCC Managers Meetings, Rochester, N.Y., September 17, 1995.

PCC Data Collection System training for the Central Texas Poison Center, April 20, 1995.

PCC Data Collection System training for the Mississippi Poison Control Center, April 11, 1995.

Poison Prevention Week 1995, Radio Interview for KYKZ- Lake Charles, March 24, 1995.

Interactions between the medical community and the LDPC, LSU Medical Center, March 23, 1995.

The LPCC: What can it do for you, Ruston Rotary Club, March 15, 1995.

Poison Prevention Presentation, West Monroe High School Health Fair, March 14, 1995.

The Internet, Data Collection Software, and other technologies to aid Poison Center Operations, AAPCC Mid-year Managers Meetings, March 11, 1995, Phoenix, AZ.

The LPCC: What can it do for you, Monroe Rotary Club, February 20, 1995.

The LPCC: What can it do for you, Monroe Lion's Club, February 7, 1995.

The LPCC: What can it do for you, Downtown Lion's Club, January 31, 1995.

Poison Prevention Presentation, Northeast Louisiana University Health Fair, January 20, 1995

Louisiana Poison Control Center Funding - Alternatives to State Appropriations, Northeast Louisiana Legislative Delegation, October 22, 1993, Monroe, LA.

Data Collection and Analysis in the Poison Center, AAPCC Managers Meetings, September 23, 1995, Salt Lake City, Utah.

Computers as Tools for Poison Control Center Management, AAPCC Managers Meetings, September 9, 1993, New York, NY.

Poison Prevention in the Home, KNOE Television, March 22, 1993, Monroe, LA.

Relationship of Cardiac Physiology and Drug Therapy, and Calcium Channel Blockers - What Can't They Do?, The Louisiana Poison Control Center: Interactions with the Pharmaceutical Community, Louisiana Board of Pharmacy Continuing Education; Mar. 8, 1992, Hammond, LA.; Mar. 15, 1992, Baton Rouge, LA; March 29, 1992, Lafayette, LA; Apr. 26, 1992, Bossier City, LA; May 3, 1992, Monroe, LA; Nov. 1, 1992, Lake Charles, LA; Dec. 6, 1992, Alexandria, LA.

Antihistamine Update: Pathophysiology of Histamine and the Pharmacology of Antihistamines, Louisiana Board of Pharmacy Continuing Education; Mar. 11, 1990, Hammond, LA.; Mar. 18, 1990, Lafayette, LA; Apr. 1, 1990, Baton Rouge, LA; Apr. 22, 1990, Bossier City, LA; Apr. 29, 1990, Monroe, LA; Nov. 4, 1990, Lake Charles, LA; Dec. 2, 1990, Alexandria, LA.

Immobilized Enzyme Reactors in the Analysis of Choline and Acetylcholine, School of Pharmacy, Auburn University, April 6, 1990.

Hypercholesterolemia: Causes, Significance and Treatment Modalities, Louisiana Board of Pharmacy Continuing Education; Oct. 1, 1989, Lafayette, LA.; Oct. 8, 1989, Bossier City, LA.; Oct. 22, 1989, Baton Rouge, LA.; Oct. 29, 1989, Monroe, LA.

Safe Drug Use in the Elderly, Louisiana Aging Network Association, Dec. 13, 1988, Alexandria, LA.

The Pituitary Gland: Current Therapies, Louisiana Board of Pharmacy Continuing Education; Oct. 2, 1988, Bossier City, LA.; Oct. 9, 1988, Lake Charles, LA.; Oct. 23, 1988, Baton Rouge, LA.; Oct. 30, 1988, Monroe, LA.

Gynecological Infections: Causes and Cures, Louisiana Board of Pharmacy Continuing Education; Feb. 1, 1987, Bossier City, LA.; Feb. 15, 1987, Baton Rouge, LA.; Feb. 22, 1987, Monroe, LA.; Mar. 8, 1987, Lafayette, LA.; Mar. 15, 1987, Hammond, LA.; Nov. 15, 1987, Lake Charles, LA.; Dec. 6, 1987, Alexandria, LA.

Pharmacology and Toxicology Curriculum Review, Northeast Louisiana University, School of Pharmacy, 1986-1988 (3 times a year), Monroe, LA.

Safe Drug Use in the Elderly, Governor's Office of Elderly Affairs, Oct. 14, 1986, Baton Rouge, LA.

#### Publications Refereed

Effect of Ephedrine and Hydrocortisone on Theophylline-Induced Seizures in Rats, Jianguo Zao and Gerhard Lew, J. Pharm. Sci., September 6, 1989.

#### Committee Service

Grants, Leave and Sabbaticals Committee, Barry University (Member, 2018-2019)

CNHS Faculty Evaluation Committee, Barry University (Member, 2017-2019)

CNHS Faculty Search Committee, Barry University (Member, 2016-2019)

Grants, Leave and Sabbaticals Committee, Barry University (Member, 2012-2013)

Graduate Council, Barry University (Member, 2006, 2008, 2010, 2011)

Curriculum and Program Committee, Barry University, Anes. Program (Member 2008-2019)

CHS Advisory Board (Member, 2008-2010)

Admissions Committee Barry University, Anesthesiology Program (Member 2003-2019)

Readmissions Committee, Barry University, Anesthesiology Program (Member 2017-2019)

Faculty Senate, Barry University (Member, 2003 – 2006)

Faculty Senate Liaison to the Space Utilization Committee, Barry University, 2004 – 2005

Tenure Subcommittee, Faculty Senate, Barry University (Member, 2004 - 2005)

Communication and Technology Subcommittee, Faculty Senate, Barry University (Member, 2004 – 2005)

Faculty Handbook Subcommittee, Faculty Senate, Barry University (Chair, 2003 - 2004)

AAPCC Data Collection Committee (Chair, 1995 - 1998)

AAPCC Data Access Committee (Member, 1995 - 1998)

AAPCC Managers Committee (Member, 1995 - 1999)

Computer Technology and Data Analysis Subcommittee, AAPCC Managers Committee (Chair 1994 - 1996)

Journal of Pharmaceutical Care, Technical Editor

Journal of Pharmacy Teaching, Editorial Board Member

Louisiana Pharmacist, Editorial Board Member

ULM Distance Learning Committee (Member)

ULM Curriculum Committee (Member 1991-1992)

ULM Publications Committee (Member 1986 -1992)

ULM College of Pharmacy and Health Sciences Technology Resources Task Force (Member)

ULM School of Pharmacy Information Resources Committee (Chair, 1993 - 1997)

ULM School of Pharmacy Administrative Council (Member, 1991 - 1999)

ULM School of Pharmacy Professional Fraternity Council (Member, 1987 – 1996)

ULM School of Pharmacy Curriculum Committee (Member 1990 - 1994)

ULM School of Pharmacy Faculty Development Committee (Member 1992 - 1994)

#### Organization Membership

American Academy of Clinical Toxicology (past member)

American Association of Poison Control Centers (past member)

Society of Toxicology (past member)

South Central Chapter, Society of Toxicology (past member)

Sigma Xi, National Research Association (past member)

Phi Lamda Sigma, Pharmacy Leadership Society (past member)

Rho Chi, Pharmacy Honor Society (past member)

#### Graduate Student Advisement

Major Advisor

Chandramallika Ghosh, Ph.D. Candidate, Function of Dopamine Autoreceptors in Neuronal Synaptasomes, Graduated Dec., 1992.

Mahmoud Khansari, Ph.D. Candidate, Esterase and Glutathione S-transferase Activities in *Drosophila melanogaster*, Graduated Dec., 1990.

Susan C. Sylvestri, M.S. Candidate, Simultaneous Analysis of Catecholamine and Cholinergic Neurotransmitters in Neuronal Tissue, Graduated May, 1991.

Committee Member

Usha Pillai, Ph.D., Graduated May, 1993.

Prathibha Rao, M.S., Graduated May, 1993.

Tamal Chakraborti, Ph.D., Graduated December, 1992.

Vijay Tammarra, Ph.D., Graduated December, 1992.

Vidya Kunjathoor, Ph.D., Graduated August, 1992.

Randy Viator, M.S., Graduated May, 1992.

Sharon Cruse, Ph.D. Graduated May, 1991.

Robert Judd, Ph.D., Graduated July, 1990.

Ruma Prodan, Ph.D., Graduated July, 1990.

Mary Lee Hogg, M.S., Graduated May, 1990.

Vrinda Shanbhag, Ph.D., Graduated December, 1989.

Tom McKean, Ph.D., Graduated May, 1989.

Kevin Baer, Ph.D., Graduated May, 1988.

Student Organization Advisement

Kappa Epsilon Professional Woman's Fraternity, Advisor, 1987-1997.

Computer Software and Hardware Development

Microsoft Windows Developer

Atari Portfolio Developer (1989 – 1991)

**Research Interests**

Enhancing Education through distance-learning technologies

Effect of Activated Charcoal Formulations on Drug Binding Rates and Capacities

Analytical Toxicology

Microfluidics

**Current Projects and Research**

Implementation and Design of Online Educational Tools and Techniques for Distance Learning.