

## CURRICULUM VITA

**Patricia M. Williams, Ph.D., DABT**  
**BS, MS, ASCP(MT)**  
**President, Environmental Toxicology Experts, L.L.C.**  
**Board Certified by the American Board of Toxicology—Diplomate status**  
**Board Certified by the American Society of Clinical Pathologists**  
**Louisiana License Clinical Laboratory Scientist-Generalist**  
**G00023**  
**Laboratory Director – CLIA Certification 19D0898394 (1993-2005)**

### Retired:

**Associate Professor**  
**Coordinator for Toxicology Research Laboratories**  
**Pontchartrain Institute for Environmental Sciences**  
**College of Sciences, University of New Orleans**

**Associate Professor**  
**Department of Medicine**  
**Section of Occupational and Environmental Medicine**  
**LSU Health Sciences Center in Shreveport, LA**  
**Director, Occupational Toxicology Outreach Program**  
**Co-Director, Center of Excellence for Clinical and Forensic Toxicology**

**RESIDENCE:** 63 Walnut Place, Covington, LA 70433

**BIRTHPLACE:** New Orleans, Louisiana

### **EDUCATION AND TRAINING:**

Louisiana State University in Baton Rouge; **B.S. in Medical Technology**, 1966

Louisiana State University in Baton Rouge; **M.S. in Microbiology**, 1975

Tulane Medical Center, **Department of Anatomy, Ph.D.**, 1983. Dissertation Title:  
"Characterization of Megakaryocytopoiesis Under the Hormonal Influence of  
Thrombopoietin; Development of an In Vitro Assay for Thrombopoietin."

**Board Certification: Diplomate of the American Board of Toxicology, 2006-2011,**  
**2012-2016, 2017-2021; 2022-2026.**

**Board Certification: American Society of Clinical Pathologists-Medical**  
**Technology-1966**

**Clinical Laboratory Scientist-Generalist, Louisiana License Number: G00023**

**Laboratory Director – CLIA Certification 19D0898394 (1993-2005)**

Tufts University School of Medicine, Epidemiology Research Institute, Graduate Credit in Epidemiology. "Introduction to Epidemiology", 1996. Total Number of CEU Hours, 35.0. Graduate Credit, 2.0 hours.

Tufts University School of Medicine, Epidemiology Research Institute, Graduate Credit in Epidemiology, "Biology & Epidemiology of Cancer" and "Occupational & Environmental Epidemiology", 2001. Total Number of CEU Hours, 30.0. Graduate Credit, 2.0 hours.

University of Michigan, Summer Graduate School in Epidemiology, "Occupational & Environmental Exposure Assessment" and "Basic Computer Applications in Epidemiology", 2002 Continuing Education. Total Number of Non-Credits, 1. Total Number of CEU Hours, 35.0.

University of Michigan, Summer Graduate School in Epidemiology, "Analysis of Epidemiologic Data: An Applied Approach" 2004 Continuing Education. Total Number of Non-Credits, 1. Total Number of CEU Hours, 17.5.

University of Kansas Medical Center, Department of Pharmacology, Toxicology, and Therapeutics, Mid-America Toxicology Course, 2006

Mid-America Toxicology Course, Curtis D. Klaassen, Kansas City, Mo. Lectures in Toxicology for American Board of Toxicology Exam, 2018

**PROFESSIONAL EXPERIENCE:**

May, 2005 - Present

President  
Environmental Toxicology Experts, L.L.C.  
Metairie, Louisiana 70005

May, 2005 – March 2017

Associate Professor

Coordinator for Toxicology Research Laboratories  
Pontchartrain Institute for Environmental Sciences  
College of Sciences  
University of New Orleans, New Orleans, LA

March, 1993 – April, 2005

Associate Professor

Director, Occupational Toxicology Outreach Program  
Department of Medicine  
LSU Health Sciences Center in Shreveport, LA

Co-Director, Center of Excellence for Clinical  
and Forensic Toxicology Department of Medicine  
LSU Health Sciences Center in Shreveport, LA

Associate Professor, Department of Medicine  
Section of Occupational and Environmental Medicine  
LSU Medical Center -Shreveport, LA

	Laboratory Director, Medical Surveillance Laboratory Occupational Toxicology Outreach Office CLIA Certified
January, 1992 - February, 1993	Associate Professor, Department of Medical Technology, School of Allied Health Professions, LSU Medical Center  Associate Professor, Department of Anatomy, School of Medicine, LSU Medical Center (Joint Appointment)
July, 1985 - January, 1992	Associate Professor, Head, Department of Medical Technology, School of Allied Health Professions, LSU Medical Center Associate Professor, Department of Anatomy, School of Medicine, LSU Medical Center (Joint Appointment)
January, 1985 - June, 1985	Assistant Professor, Head, Department of Medical Technology, School of Allied Health Professions, LSU Medical Center  Assistant Professor, Department of Anatomy, School of Medicine, School of Medicine, LSU Medical Center (Joint Appointment)
January, 1984 - December 1984	Assistant Professor, Department of Medical Technology, School of Allied Health Professions, LSU Medical Center  Assistant Professor, Department of Anatomy, School of Medicine, LSU Medical Center (Joint Appointment) Assistant Professor, Department of Biological Sciences, University of New Orleans (Joint Appointment)
1978 - 1984	Assistant Professor, Department of Medical Technology, School of Allied Health Professions, LSU Medical Center  Assistant Professor, Department of Biological Sciences, University of New Orleans (Joint Appointment)
1975 - 1978	Instructor in Medical Technology, Department of Medical Technology, School of Allied Health Professions, LSU Medical Center

	Instructor, Department of Biological Sciences, University of New Orleans (Joint Appointment)
1974 - 1975	Associate in Physiology, Department of Zoology and Physiology, Louisiana State University in Baton Rouge
1970 - 1971	Medical Technologist, Hematology Laboratory, The Pathology Laboratory, Baton Rouge, Louisiana
1967 - 1968	Medical Technologist, Clinical Chemistry, Department of Pathology, Charity Hospital in New Orleans
1966 - 1967	Medical Technologist, Blood Banking, Department of Anesthesiology, Charity Hospital in New Orleans Medical Technologist, Clinical Chemistry,  Department of Pathology, Hotel Dieu Hospital in New Orleans
1965 - 1966	Medical Technician, Hematology, Urinalysis, Chemistry, Blood Banking, Department of Pathology, Hotel Dieu Hospital in New Orleans  MT(ASCP) Registration by the American Society of Clinical Pathologists #56466 in 1966

**ADMINISTRATIVE EXPERIENCE:**

For seven years, Dr. Patricia M. Williams served as Head of the Department of Medical Technology, School of Allied Health Professions, LSU Medical Center. The Department of Medical Technology offered a baccalaureate degree in the field of Medical Technology which includes performance of laboratory procedures in all of the disciplines of the clinical (medical and forensic) laboratory of today. Specific areas of specialty in which the students are trained include: microbiology, parasitology, hematology, immunology, immunohematology (blood banking), clinical chemistry, urinalysis, phlebotomy, and management. The primary objective of the Department of Medical Technology from 1985-1992 was to increase the supply, at the undergraduate and graduate levels, of patient-oriented health professionals both in the rural and urban areas of the State of Louisiana. Dr. Patricia Williams developed a clinical rotation that includes a six-months student clinical laboratory housed within the Department of Medical Technology and a six-months clinical hospital rotation. This allowed all lectures and basic laboratory training to be completed prior to the hospital rotation and thus allow smaller hospitals in the rural areas of the State to participate in the Medical Technology Program. Participation of hospitals in the educational program usually enhances their recruitment of medical technologists upon graduation to their institution to meet the needs of rural health care.

Dr. Patricia M. Williams as Head of the Department of Medical Technology was the overseer of a statewide program to educate students at the baccalaureate level and graduate level in medical technology. Classes were conducted on both the New Orleans and Shreveport LSU Medical Center campuses as well as in ten hospital affiliates throughout the state. Students pursuing the

degree in medical technology could enter either the two plus two program on the New Orleans campus or the three plus one program on either the Shreveport or New Orleans campus. In the two plus two curriculum, the student completes the first two years of pre-professional courses at various colleges throughout the state, followed by two years at the Medical Center and at selected clinical affiliates. This program allowed for entrance of educationally, socially, financially, or racially disadvantaged students into the study of Medical Technology. In the three plus one program the student completed the first three years of pre-professional courses at the various colleges throughout the state, followed by three semesters of courses at the Medical Center and at selected clinical affiliates. Students enrolled in both programs spent six months in the senior year in a simulated hospital clinical laboratory housed within the Department of Medical Technology in both Shreveport and New Orleans. The last six months of the senior year was spent in one of ten hospital affiliates throughout the state. The ten affiliates are listed below:

Charity Hospital in New Orleans  
Veterans Administration Medical Center in New Orleans  
Mercy Hospital in New Orleans  
Southeast Louisiana Medical Center in Houma  
Terrebonne General Hospital  
Earl K. Long Hospital in Baton Rouge  
Louisiana Reference Laboratory in Baton Rouge  
Lafayette General Hospital  
LSU Hospital in Shreveport  
E.A. Conway Hospital in Monroe

Dr. Williams had the responsibility to develop, organize, administer, review, revise and direct the educational program. It was her responsibility to ensure appropriate instruction in all areas of this clinical educational program. Examples of such duties include but are not limited to the following: development of curriculum, selection of course content, implementation of classroom teaching in both the Medical Center and the hospital affiliates, appointing faculty to the program, providing continuing clinical education for hospital laboratory personnel, maintaining current written affiliation agreements with all clinical affiliates, and implementation of recruitment programs on the following campuses: LSU in Shreveport, Bossier Community College, LSU in Alexandria, LSU in Baton Rouge, LSU in Eunice, University of New Orleans, and Southern University in Baton Rouge. Because of the vast geographic structure of the program, Dr. Williams appointed three assistant administrative positions under her direct supervision: Coordinator of Clinical Laboratories, Coordinator of Student Laboratories, and Program Coordinator in Shreveport. Dr. Williams was the direct supervisor of 9 full time faculty, 23 part-time faculty, and 3 full time staff and one part-time staff personnel on both the Shreveport and New Orleans campuses of the LSU Medical Center. In addition, Dr. Williams directly supervised the participation of 121 gratis clinical faculty in the educational program in ten hospital affiliates. Dr. Williams was responsible for management of the departmental budget and played a major role in all policy and budget matters which affected the educational program and the Department of Medical Technology. The 1990 - 91 departmental budget consisted of \$728,673 of state funds: In the last five years of her administration, laboratory equipment purchased by the Department of Medical Technology for teaching purposes amounted to approximately \$509,024.

In addition to the institutional support, the Department of Medical Technology was the recipient of a \$472,719 federal grant from the Health Careers Opportunity Program for enrichment and retention of disadvantaged students in Allied Health Programs. The grant includes the following programs: Medical Technology, Respiratory Therapy, Occupational Therapy, Physical Therapy, and Rehabilitation Counseling. Dr. Williams was the author of this grant and served as Program

Director and administrated expenditure of all funds and implementation of the four programs included in the grant. This grant provided funds for a five-week summer program for high school seniors on the Southern University in Baton Rouge campus, a two-week program for college freshmen on the Southern University in Baton Rouge campus, one four week program for students accepted but prior to enrollment in Allied Health Programs on the LSU Medical Center campus, and a non-structured academic program for juniors and seniors in the School of Allied Health Professions on the LSU Medical Center campuses in Shreveport and New Orleans which included academic tutorials, teaching aids and academic and personal counseling.

The success of this grant funding under the direction of Dr. Williams was best shown in the Department of Medical Technology where a minority enrollment of 30 - 48% was maintained each year. The Department of Medical Technology maintained excellent academic standards for all students, and implemented minority/disadvantaged student incentives in an effort to assist these students in achieving successful completion of a baccalaureate degree in Medical Technology. For two years in a row, (August 1990-1991) the results of these incentives were remarkable. There was 100% passage of each graduating class on the National Registry Exam for each of these two years. The class average ranked in the 12th and 16th percentile of the nation. These results included as many as 30 - 48% minority/disadvantaged students. Many of these students applied to the program with GPA's less than 2.5 and were accepted as a part of the departmental program for high-risk minority/disadvantaged students. The departmental C students were proven "A" students on the national level.

In addition, Dr. Williams was the Laboratory Manager of the Department of Medical Technology Clinical Laboratory. This departmental laboratory was approved for Medicare and Medicaid by the Department of Health and Hospitals of the State of Louisiana. Dr. Williams supervised one part-time pathologist who served as Laboratory Director and the academic faculty who maintained their laboratory skills by performing procedures in the departmental laboratory. Dr. Williams founded this laboratory to serve the health needs of the students in the Schools of Medicine, Nursing, and Allied Health and to perform procedures for them at cost, in addition to allowing academic faculty to maintain their laboratory skills. Blood products from the departmental laboratory were pooled to hide patient identity and used in teaching of the six-month student laboratory. Thus, students used blood products from a relatively healthy population to begin the performance of laboratory procedures. The risk of exposure to AIDS and Hepatitis B is less in this initial use of blood products and performance of laboratory procedures. Results of the laboratory procedures on students in the above mentioned schools were referred to the staff physician of the Office of Student Health of the LSU Medical Center.

Dr. Williams directed the Occupational Toxicology Outreach Program of the Department of Medicine of LSU Health Sciences Center in Shreveport for over ten years. Dr. Williams directed statewide programs to provide an outreach center for education, prevention, early detection, and treatment of diseases for members of the community and workplace exposed to toxic chemicals including drugs and alcohol. In that capacity, Dr. Williams surveyed or evaluated over 17,000 workers or community members with occupational or environmental toxic exposures for adverse health effects of such exposures. She served as tenured Associate Professor of Medicine of the Department of Medicine of LSU Medical School in Shreveport. Additionally, Dr. Williams served as the Laboratory Director of an in-house research laboratory for Medical Surveillance for adverse health effects of chemical exposure. In this capacity, she was responsible for identifying the laboratory parameters that are clinical indicators of environmental and occupational toxic exposure and for the interpretation of the laboratory parameters to the attending physicians. Dr. Williams also served as Co-Director of the Center of Excellence for Clinical and forensic Toxicology. In that capacity she conducted extensive prevention programs for workplace, communities, homes, and schools, both in State and out of State, including the physical consequences of inhalant abuse,

fetal alcohol syndrome, alcohol toxicity, and the physical signs and consequences of drugs and alcohol abuse.

Formerly, Dr. Williams was Coordinator for Toxicology Research Laboratories of the Pontchartrain Institute for Environmental Sciences, College of Sciences, University of New Orleans in Louisiana. She was responsible for development and teaching of toxicology courses for graduate and undergraduate students enrolled at the University of New Orleans.

Dr. Williams is currently the President of Environmental Toxicology Experts, L.L.C. and in that capacity serves as expert witness and consultant to toxic tort litigation. She has served as an expert/consultant in litigation for over thirty years. She has qualified in Courts of Law to identify and interpret patterns of development of disease in association with toxic exposure; to determine the etiology/causation of environmental and occupational diseases; conduct community health assessments and interpret the etiology/causation of environmental diseases and birth defects; to identify and interpret patterns of adverse reproductive outcomes, including fetal birth defects and embryonal tumors, in association with toxic exposure; qualified to review the scientific and medical literature, and medical and laboratory data associated with occupational and environmental exposures and to interpret said data as to the etiology/causation; to perform and interpret medical surveillance utilizing laboratory procedures as to the development and causation of environmental and occupational diseases; and to interpret the causation of hematological diseases as related to environmental and occupational exposures. Additionally, Dr. Williams has qualified to interpret the role of contributing factors in the development of cancer and birth defects. Dr. Williams has qualified as an expert in anatomy, hematology, toxicology, medical surveillance utilizing laboratory procedures, neuroanatomy, and performance and interpretation of health assessments of environmentally exposed communities.

In the area of Forensic Drug Testing, I have served as an expert witness and consultant on collection of specimens, chain of custody, and drug-testing in the workplace to numerous clients, including the Department of Education, School Boards, Unions, Medical Care Corporations, municipalities, the State of Louisiana, and private entities, and served as consultant to a collection company for collection of forensic urine and blood specimens and, in that capacity, designed and oversaw the administration of chain of custody and collection procedures. Furthermore, I have served as expert witness in drug-testing litigation in State Court, Workman's Compensation and Unemployment compensation hearings, arbitration hearings, and criminal court as expert witness for the prosecution. I have served as expert witness in numerous legislative committees on the subject of drug-testing and minimal guidelines for collection and testing of forensic specimens. I drafted the bill for Louisiana Act 1036 of the 1990 Legislative Session establishing minimal guidelines for collection of forensic specimens and drug-testing in the State of Louisiana. Additionally, I drafted Act 396 of the 1993 Legislative Session for Mandatory Licensure of Clinical Laboratory Personnel and Certification of Phlebotomists in the State of Louisiana. I was the expert witness testifying for both bills at the request of Senators and Representatives, the Commissioner of Administration, the AFL-CIO, and the Louisiana State Society for Medical Technology during the course of passage into Law by the Louisiana Legislature.

As a Board-certified Diplomate of the American Board of Toxicology, I have qualified, have the toxicology expertise, and have testified in civil and criminal cases on the following: the mechanisms of action of prescription and illicit drugs and alcohol; toxic effects of drugs and alcohol; signs of impairment of drugs and alcohol; mechanisms for production of these signs in the body; temporal occurrence of the signs of impairment specific to each drug or alcohol; the absorption, distribution, and elimination of drugs and alcohol; and peak plasma concentrations,

biological half-lives, and elimination half-lives for the specific drugs and alcohol. I have testified in numerous civil and criminal cases as to the interpretation of impairment; and interpretation of the signs of intoxication and impairment with and without the drug testing result analyses. I have served as the “pro bono” expert witness for the prosecution for District Attorneys in the Parishes of Orleans, Jefferson, East Baton Rouge, and St Landry Parishes. These cases have involved interpretation of the following: drug and alcohol testing; calculation of blood concentrations of alcohol at the time of the crash using established scientific methodology; interpretation of impairment from the clinical signs of impairment specific to each drug and or alcohol; interpretation of impairment from the clinical signs of impairment specific to each drug or alcohol testing result; and interpretation of post-mortem drug and alcohol testing as to impairment or toxicological cause of the death of the deceased. I have testified in several trials with drug or alcohol matters including, Murder II and Vehicular homicide. In these trials, I also gave interpretations of impairment and the drug and/or alcohol cause of impairment; windows for the time of death and toxicological cause of death from heroin; and back calculation of the alcohol concentrations at the time of death using the Widmark equation, zero order kinetics, and first order kinetics of alcohol metabolism. I have provided continuing education to the Louisiana Assistant District Attorneys and Drug Recognition Experts officers in Louisiana, the Louisiana State Police Crime Lab, Law Enforcement and DEA officers, and the Family Law Section of the Louisiana Bar Association. Many of the presentations were to teach the interpretation of the clinical signs of impairment including Nystagmus; specific Cranial Nerve involvement in nystagmus and loss of visual acuity; miosis (pupil constriction) and specific visual impairments; mydriasis (pupil dilation) and specific visual impairments; temporality of blood shot eyes from marijuana use; motion parallax and impairment of depth perception; vision tunneling; sedative-hypnotic toxidrome of methadone; parasomnias of Zolpidem; tunnel vision of benzodiazepines (including alprazolam); driving impairment of benzodiazepines expressed by Standard Deviation of Lateral Position and Standard Deviation of Speed; CNS depression of Heroin and clinical warning signs of imminent death, “Pharming” using over the counter drugs and specific effects of impairment; CNS depressants; CNS stimulants rhabdomyolysis of cocaine toxicity; and post-mortem alcohol production. These same topics and more are subjects of Dr. Williams’ expert witness reports and testimony in both civil and criminal cases.

By virtue of my educational, research, and work experience, I am qualified to identify and interpret patterns of development of disease in association with toxic exposure and to determine the etiology/causation of environmental and occupational diseases. I am qualified to conduct community health assessments and interpret the etiology/causation of environmental diseases and birth defects. I am qualified to identify and interpret patterns of adverse reproductive outcomes, including fetal birth defects and embryonal tumors, in association with toxic exposure. I am qualified to review the scientific and medical literature, and medical and laboratory data associated with occupational and environmental exposures and to interpret said data as to the etiology/causation. I am qualified to perform and interpret medical surveillance utilizing laboratory procedures as to the development and causation of environmental and occupational diseases. I am qualified to interpret the causation of hematological diseases as related to environmental and occupational exposures.

Additionally, I am qualified to interpret the role of contributing factors in the development of cancer and birth defects. I have qualified as an expert in anatomy, hematology, toxicology, medical surveillance utilizing laboratory procedures, neuroanatomy, and performance and interpretation of health assessments of environmentally exposed communities.

In the areas of forensic drug testing, as a licensed Clinical Laboratory Scientist who is board-certified by the American Society of Clinical Pathologists, I am qualified to perform analytical

testing for drugs, review and interpret medical and laboratory data, including the phlebotomy, chain of custody, and accessioning techniques utilized in the collection of medical and forensic drug specimens. As a toxicologist who is Board-certified in toxicology by the American Board of Toxicology, I am qualified to opine on the metabolism, biotransformation, and distribution of drugs, chemicals, and alcohol in the body. I am further qualified to interpret drug testing results with impairment correlation. Additionally, I testify for several District Attorneys in various Parishes in the State of Louisiana as well as the Office of the Attorney General for criminal prosecution in matters of drug and alcohol intoxication and loss of life.

As a Board-certified Clinical Laboratory Scientist (Board certified by the American Society of Clinical Pathologists) who is licensed by the State of Louisiana and qualified by both State and Federal Law to perform and interpret clinical laboratory procedures in all areas of laboratory procedures at all levels of complexity, including the areas of hematology and immunology, I am qualified to review, interpret, and propose medical surveillance using laboratory procedures. I am further qualified by Federal Law (CLIA-Clinical Laboratory Improvement Act) to serve as a Laboratory Director for all levels of complexity in the interpretation of laboratory procedures, which include hematology and immunology. As a Board-Certified toxicologist holding the title of Diplomate of the American Board of Toxicology, I am qualified to interpret these procedures as to the resultant health effects of toxic chemicals.

## **TEACHING EXPERIENCE:**

EES 4096/4096G Toxicology and Human Health, EES 6096 Toxicology of Coastal Organisms, EES 4096/4096G Ecotoxicology, EES 2096 Environmental Toxicology, Independent Research Study, EES 4096/5096 Toxicology of Metals, BIOS 3284 Histology and Cytology with lab (4 hrs credit, BIOS 3490 Histology and Cytology (3 hrs credit); EES 4096/5096 Reproductive and Developmental Toxicology (3 hrs credit). EES 4096/5096 Histology and Cellular Toxicology (3 hrs credit)

Lecture to second year medical students on the “Environmental Etiology of Disease”, which includes: recognizing the adverse health patterns commonly observed in chemically associated diseases, the multifactorial nature of disease, effects of chemical interactions in a mixture, dose-response, and the cellular effects of DNA reactive carcinogens.

Lectures to Medical Students, Graduate students, Dental Maxillo-Facial Surgery Residents, and Pathology residents and Undergraduate Medical Technology students: Hematology, Histology, Gross Anatomy, Cell Biology, Medical Histology, Microscopic Anatomy, Neuroscience, Embryology, Clinical Chemistry, Human Anatomy, Gross and Microscopic Anatomy for Cytotechnology Majors, Mammalian Physiology, Immunology, Immuno-hematology, Parasitology, Clinical Toxicology.

Lectures to Environmental Law Graduate Students at Tulane Law School entitled “Daubert and Expert Testimony” at Tulane Law School in New Orleans, Louisiana.

## GRADUATE RESPONSIBILITIES:

Dissertation: Volatile Organic Compounds Emission during Cured-in-Place-Pipe (CIPP) Sewer Pipe Rehabilitation and Comparison of Solid Waste Generation, Greenhouse Gases and Criteria Air Pollutants Emission from CIPP and Open-Cut Sites Doctor of Philosophy in Engineering and Applied Science (Environmental Engineering) Elena Bourbour Ajdari, Completed May 2016

Thesis: Arsenic, Cadmium, Copper, and Zinc Levels in Crayfish from Southwest Louisianan and the Atchafalaya Basin Master of Science in Earth and Environmental Science E. Gerald Hebert Completed December 2015

Disertation: Photocatalytic Mineralization of Phenol on fluidized Titanium Oxide-Coated Silica Gel Doctor of Philosophy in Engineering and Applied Science (Environmental Engineering). Guillermo Rincon BS. MS. Completed May 2015.

Dissertation: Preliminary Hydrogen Sulfide Emission Factors and Emission Models for Wastewater Treatment Plant Headworks. Doctor of Philosophy in Engineering and Applied Science. Amitdyuti Sengupta. Completed May 2014.

Thesis: Air Dispersion Modeling for Criteria Pollutants from Port of New Orleans and Their Health Effects. Master of Science in Environmental Engineering. Amrita Iyer. Completed May, 2014.

Thesis: Odor Monitoring at Wastewater Treatment Plants. Master of Science in Environmental Engineering. Natasha Halageri. Completed December, 2012.

Thesis: Preliminary Assessment: Identification of Chinese Drywall and Exposure to Particulates and Metals during Cutting and Installation of Drywall. Master of Science in Environmental Engineering, Vandana Karap, completed May, 2011.

Thesis: Mact Implementation at an Organic Chemical Manufacturing Facility: Human Health Risk Reduction; Master of Science in Environmental Engineering, Keith E. Gordon, completed July, 2010.

Thesis: Carbon Dioxide and Hydrogen Sulfide Emission Factors Applicable to Wastewater Wet Wells; Master of Science in Environmental Engineering, Madhuri Mudragaddam, completed May 2010.

Thesis: Total Fume and Heavy Metals Emission Factors Applicable to Aluminum Lithium Welding; Master of Science in Environmental Engineering, Katie Carr, completed May, 2010

Thesis: Environmental analysis of the habitat (biotic and abiotic factors) associated with Broadleaf Barbara's Buttons (Marshallia trinervia); Master of Science in Earth and Environmental Sciences, Jennifer L. Blanchard, completed December. 2009.

Thesis: Monitoring and Inverse Dispersion Modeling to Quantify VOCs from a Municipal Solid Waste landfill; Master of Science in Environmental Engineering, Sarit K. Das, completed December 2009.

Thesis: Risk Assessment and Risk Management of Nano-Material Toxicity (Manufacturing and Natural Environment); Master of Science in Environmental Engineering, Farah Bigdeli, Completed May, 2009.

Thesis: Risk assessment for the content of heavy metals in PM2.5 and PM10 from traffic exhaust emissions in heavily transited areas of New Orleans. Master of Science in Environmental Engineering, Federico Portillo, completed December, 2008.

Committee Chairman, Masters of Allied Health Sciences, Mr. Darryl Vincent. Topic: "Evaluation of Streptokinase Therapy".

Research Supervisor, Masters of Anatomy, Mr. Sean Bailey. Topic: "Megakaryocytopoiesis.11

Committee Chairman, Masters of Allied Health Sciences, Ms. Louaine Spriggs, Topic: Investigation of Leukocyte Inclusions Using New Methylene Blue."

Committee Chairman, Masters of Allied Health Sciences, Ms. Conchetta S. Buttone. Topic: "HPLC Testing of Carotenoids in Preparation of an Acute Study to Compare the Effect of Natural/Synthetic Dietary Sources of Carotenoids on Human Sera."

Committee Chairman and Research Supervisor, Masters of Allied Health Sciences, Ms. Susan Vaught. Topic: "Development of Skin Biopsy Ultracryomicrotomy For Use In Immunocytochemical Study of Acute Graft-Versus-Host Disease."

Committee Chairman and Research Supervisor, Masters of Allied Health Sciences, Ms. Gloria A. Hagan. Topic: "Immunocytochemical Identification of Megakaryocytes Utilizing a Polyclonal Antibody."

## **PUBLICATIONS:**

Williams P M and McGregor D W (2016) "Absorption of BaSO<sub>4</sub> into the Nail Beds of Residents from an Adjacent Oil Field Waste Site" Proceedings of the 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2016. Unmasking the Industrial Renaissance; Paper # 16-1106, June 15, 2016; 01-7605 ACE Final Program 2016 LoRez.pdf; 13 pgs (online publication)

Williams P M and Grice C P (2016) "Adverse Health Effects in Tar Ball Workers and Boat Crews from Crude Oil/Corexit Mixtures from the Deepwater Horizon Oil Spill" Proceedings of the 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2016. Unmasking the Industrial Renaissance; Paper # 16-1152 June 15, 2016; 01-7605 ACE Final Program 2016 LoRez.pdf; 12 pgs. (online publication)

Williams P M and Grice C P (2015) "Adverse Health Effects including Optic Atrophy in Tar Ball Workers from Crude Oil/Corexit Mixtures from the Deepwater Horizon Oil Spill" Abstract Conference Proceedings of the 46<sup>th</sup> Environmental Mutagenesis and Genomics Society Annual Meeting, Symposium Presentation New Orleans, Louisiana, September, 2015

Williams PM "Health Effects from long-term exposure to Creosote in Bossier City." Abstract Conference Proceedings Environmental Mutagen Society, Bellevue-Seattle Washington, September 11-13, 2012.

Williams P M, (2011) Are Seafood Safety Considerations Adequate To Prevent Chronic Health Effects Of The Deep Water Horizon Oil Spill On Coastal Louisiana Residents. Abstract. Conference Proceedings Environmental Mutagen Society. September, 2011

Williams, P. and Kura, B. (2011). "Potential Health Effects of Chinese Dry Wall (CDW) Components: A Preliminary Analysis," Proceedings of the 104<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2011; Vol 1, pg. 1911-1919; Paper # 588; Curran Associates, Inc. March 2012. ISBN: 978-1-61839-365-4.

San Pedro, G.S., Payne, D.K., Dulle, A.F. and Williams, P.M. "Education Improves Asthma Outcomes in Impoverished and Minority Patients." ATS 2004 100<sup>th</sup> International Conference, abstract, May 2004.

Richey, Wes, Oliver Sartor, Patricia Williams, Bhavani Moparty, Jerry Sullivan and James Eastham. "Racial Variations in Prostate Specific Antigen in a Well Defined Cohort of Men Without Prostate Cancer." Southeastern Section AUA, abstract, September 1998.

Williams, Patricia, Ph.D., "Medical Surveillance of Residents of Grand Bois, Louisiana State Library System, Volume 2 Parts 1-5." 1999, Occupational Toxicology Outreach Program, Peer-reviewed In-House Publication, Louisiana State Library.

Williams, Patricia, Ph.D., "Grand Bois - Community Health Assessment Volume 1 - A study of the health parameters of a Native American/Cajun Community located next to a non-hazardous, oil field waste site." Louisiana State Library System, 1997, Occupational Toxicology Outreach Program, Peer-reviewed In-House Publication, Louisiana State Library.

Williams, Patricia. "High Incidence of 'Stipple Cells' in the Blood of Humans From Chronic Low-Level Metal Exposure." J. Clean Technology, Environmental Toxicity, and Occupational Medicine. 7: (2) 119-120. May/June 1998.

Williams, Patricia, Ph.D. "Neuroblastoma: A Human Model for Elicidation of Neural Crest Migratory Phenomenon." Keystone Symposium – Molecular and Cellular Biology Cell Migration, abstract and poster presentation, February 1996.

Chen, I-li, Joe A. Mascorro, Patricia W. Lumsden and Robert D. Yates. "Localization of Alphabungarotoxin Binding Sites in the Rat Carotid Body Using Horseradish Peroxidase-Conjugated Toxin." Electron Microscopy Society of American Proceedings, abstract, 1981.

Lumsden, Patricia and I-li Chen. "Immunocytochemical Localization of Erythropoietin Binding Sites Using the Immunoperoxidase Technique." Louisiana Society for Electron Microscopy Symposium Proceedings, abstract, May, 1981.

Williams-Lumsden, Patricia, James R. Jeter, William H. Baricos, and I-li Chen. "Development of an In Vitro Assay for Thrombopoietin Using Tritiated-Thymidine Uptake of Megakaryocytic Precursors." Journal of Cellular Biochemistry. 7(B):37, abstract, 1983

Williams-Lumsden, Patricia, and James R. Jeter. "In Vitro Characterization of Megakaryocytopoiesis." Louisiana Society for Electron Microscopy Symposium Proceedings, abstract, May 1983.

Williams-Lumsden, Patricia, James R. Jeter. "Effects of Thrombopoietin on Megakaryocytic Differentiation In Vitro." Journal of Cell biology 97: 5(2), P. 54a, abstract, 1983.

Larkin, J.M. and P.M. Williams. "Runella slithyformis gen. nov., sp. nov., a curved Nonflexible, Pink Bacterium." Int. J. Syst. Bacteriol. 28(1), 32-35. 1978

Larkin, J.M., P. Williams and R. Taylor. "Taxonomy of the Genus *Microcylus* Reintroduction and Mendation of the genus *Spirosoma* and Proposal of a New Genus, *Flectobacillus*." *Int. J. Syst. Bacteriol.* 27: 147-156, 1978

Williams, Patricia, Editor and Contributor. "The Technical and Legal Aspects of Drug Testing." 1st Edition, 250 pages, November 1989. New Orleans, Department of Medical Technology, LSU Medical Center, Seminar Manual for New Orleans Bar Association.

Williams, Patricia, Editor and Contributor. "The Technical and Legal Aspects of Drug Testing." 2nd Edition, 350 pages, February, 1990, New Orleans, Department of Medical Technology, LSU Medical Center, Seminar Manual for New Orleans Bar Association.

Lumsden, R.D. and P. Williams-Lumsden, laboratory syllabus for vertebrae histology, Tulane University, New Orleans, 112 pages 1981

Williams-Lumsden, Patricia, Dissertation Title: Characterization of Megakaryocytopoiesis Under the Hormonal Influence of Thrombopoietin; Development of An In Vitro Assay for Thrombopoietin. 1983

Williams, Patricia, "Fetal Development and Fetal Alcohol Syndrome." Videotape, Department of Education, State of Louisiana, 1991.

Williams, Patricia, "Physical Consequences of Drug and Alcohol Use." Videotape, Department of Education, State of Louisiana, 1991.

Williams, Patricia. "Sexually Transmitted Diseases." Videotape, Department of Education, State of Louisiana, 1991.

Williams, Patricia. "Employee and Supervisory Training Programs for Drug-Testing in the Workplace." Videotape, QC Video productions, 1991.

Williams, Patricia. "Quality Drug-Testing Program-Department of Transportation Guidelines." Videotape, Louisiana Oil Marketers Association, 1991.

Williams, Patricia. "Prevention of Toxic Exposure in the Workplace." *Occupational Toxicology Newsletter*, In-House publication.

Williams, Patricia. "Household Chemicals." *Occupational Toxicology Newsletter*, In-House publication.

Williams, Patricia. Manual for Training of Collectors for Forensic Urine and Blood Specimens, Prepared for and presented to the American Society of Phlebotomy Technicians 1994.

"Inhalant Abuse." One-half hour video production aired on Louisiana Public Broadcasting (LPB) March 11, 1999.

"Prevention of Toxic Exposure in the Workplace." One-half hour video production aired on Louisiana Public Broadcasting (LPB)

“Household Chemicals.” One-half hour video production aired on Louisiana Public Broadcasting (LPB)

“FAS/FAE” One-half hour video production aired on Louisiana Public Broadcasting (LPB)

“Alcohol Toxicity.” One-half hour video production aired on Louisiana Public Broadcasting (LPB)

“Physical Consequences of Drugs and Alcohol Abuse.” One-half hour video production aired on Louisiana Public Broadcasting (LPB)

## **PROFESSIONAL AND CREATIVE CONTRIBUTIONS:**

Louisiana Department of Environmental Quality, Environmental Indicators Program, Health and Safety Technical Committee (member). 1994.

Director of Health Affairs, Institute for Public Health, Education, and Awareness. 1992-1996. Responsible for education and awareness of chronic diseases due to toxic chemical exposure for 6000 members.

Louisiana Environmental Health Assistance Panel (member), Office of Environmental Epidemiology, Department of Health and Hospitals, State of Louisiana. 1993.

Environmental Justice Subcommittee (member) of the Louisiana Environmental Health Assistance Panel, Office of Environmental Epidemiology, Department of Health and Hospitals, State of Louisiana. 1993.

Morial Transition Team-Chief Administrative Office Review Task Force (member), City Government of New Orleans, Louisiana. March - April, 1994.

Expert Witness and Governmental Liaison for the Clinical Laboratory Personnel Association and the Louisiana State Society for Medical Technology for Senate and House Bills for Licensure for Clinical Laboratory Personnel, Spring Legislative Session, 1993.

Expert Witness for City of New Orleans Council Meeting, New Orleans, Louisiana, August 1992, Fetal Alcohol Syndrome testimony for ordinance to mandate warning signs in restaurants, by request of Councilwoman Dorothy Taylor.

Expert Witness for City of New Orleans Council Meeting, New Orleans, Louisiana, August 1992, testimony for ordinance to mandate rehabilitation component in the city's drug-testing program/problems in collection and chain of custody procedures, by request of Councilman Johnny Jackson.

Expert Witness and Governmental Liaison for the Clinical Laboratory Personnel Association and the Louisiana State Society for Medical Technology for the Senate Bill for Licensure for Clinical Laboratory Personnel, Spring Legislative Session, 1992.

Expert Advisor to Senator Randy Ewing to draft Senate Bill 878, now Act 1036 of the 1990 Louisiana Legislative Session, which establishes minimal guidelines for Drug-Testing of specimens collected in the State of Louisiana, April-July 1990.

Expert Witness to Senate and House Legislative committees to enact and to prevent unacceptable amendments to Act 1036 of the 1990 Legislative Session, April - July 1990 and 1991.

Member of Governor's Coordinating Council on the Prevention of Drug Use and Treatment of Drug Use, Prevention Committee, December - March 1990.

Invited member of Steering Committee formed by the Commissioner of Administration to design the guidelines for Drug Testing of State Employees, January-March 1990.

Expert Witness to Legislative Committees concerning Fetal Alcohol Syndrome and Alcohol Consumption, Spring 1988.

Expert Witness to Legislative Committees concerning licensure of Medical Laboratory Personnel, Spring 1988-1991.

Expert Witness to Legislative Committees concerning drug-testing. Spring 1990-1991.  
Invited member of Steering Committee of the Louisiana State Department of Education, to design guidelines for a model policy for Drug Testing of Employees of Parish School Boards.

Consultant to numerous AFL-CIO Union officials for drug testing hearings and litigation.

Expert Witness and Consultant to the Police Association of New Orleans versus the City of New Orleans regarding chain of custody and collection procedures for drug testing.

Consultant to East Baton Rouge Parish Government to design, organize and implement the Parish drug-testing program.

Consultant to Lafourche Parish Drug Free Schools and Communities to write policy for drug-testing of Lafourche Parish School Board employees.

Consultant to Louisiana Oil Marketers Association to design, organize and implement a drug-testing program for 225 small motor carriers regulated by the Department of Transportation.

Consultant to Capitol Home Health and Hospice to design, organize and implement a drug-testing program.

Expert Witness and Consultant to numerous plaintiff's attorneys for litigation involving drug testing in State and Federal Court and Workman's Compensation and Unemployment Compensation Hearings.

Expert Witness and Consultant to numerous plaintiff's attorneys for litigation involving toxic chemical exposure in Federal and State Court and Workman's Compensation Hearings.

Expert Witness and Consultant to numerous District Attorneys in the State of Louisiana in criminal litigation as Witness for the Prosecution as *pro bono* expert.

Prostate Cancer Prevention Program, Organizer, February 1994, Lake Charles, Louisiana, 160 participants.

**Manuscript Reviews:**

**Birth Defects Research. “Evaluation of Syzygium cumini I. Seeds Extracts for Vitamin C Protective Effect as Teratogenic Potential in Rats.” 2024. (Manuscript ID BDR-23-0236.R1)**

**Journal of the Air & Waste Management Association. “Characterization and effective dose of gross alpha and gross beta activities in particulate matter samples in Singrauli Coalfield, India.” 2021. (Manuscript ID UAWM-2021-0226)**

**Journal of the Air & Waste Management Association. “Lung tissue inflammatory response and pneumocyte apoptosis of SD rats after a 30 days exposure in methyl mercaptan vapor.” 2020 (Manuscript ID UAWM-2020-0050)**

**Journal of the Air & Waste Management Association. “Measurement of the gross alpha (activity of the fine fractions of road dust and near-roadway ambient particle matter.” 2020 (Manuscript ID UAWM-2020-0158.R1)**

#### **PRESENTATION OF INVITED LECTURES OR WORKSHOPS:**

**Louisiana State Medical Society/LAMMICO -Continuing Medical Education for Physicians: “Understanding the Toxicologic Basis of Disease”. Sam Destin, Florida. Annual Meeting of LSMS. 2024**

**Tulane Medical School, Department of Anatomy, Invited Seminar speaker: “Toxicology as a Career “ 2023.**

**Saint Scholastica Academy, Invited Lecture: “Alcohol Metabolism and Fetal Alcohol Syndrome. 2021**

**“Daubert and Expert Testimony”, November 13, 2018, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787 and Genetics in the Courtroom arena: Mutations and Disease, Cancer, Birth Defects. (2 hour lecture. Graduate Course Credit)**

**“Daubert and Expert Testimony”, 2017, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787, and Epigenetic and Transgenerational Carcinogenesis. (2 hour lecture. Graduate Course Credit)**

**Louisiana Sate Bar Association Seminar: Family Law Conference, Metairie, La. “Drug Testing Options and Burden of Proof.” May 19, 2017.**

**“Daubert and Expert Testimony”, 2016, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner,**

Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787 and Talc-Based Powder Products Litigation. (2 hour lecture. Graduate Course Credit)

**“Drunk Driving vs Drugged Driving: The New Era of Difficulties in Prosecution”** February 11, 2016, Louisiana State Police Crime Lab, Baton Rouge, Louisiana.

**“Daubert and Expert Testimony”**, December 3, 2015, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787. (2 hour lecture. Graduate Course Credit)

**“Drunk Driving vs Drugged Driving: The New Era of Difficulties in Prosecution”** September 10, 2015, East Baton Rouge Parish Office of the District Attorney, Baton Rouge, Louisiana.

Cancer Alley: Rethinking the Terminology. Presentation: Data from the Louisiana Tumor Registry and Cancer prevalence; Tulane Environmental Law Summit, 2014

**“Daubert and Expert Testimony”**, December 2, 2014, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Toxicology of Fracking; (2 hour lecture. Graduate Course Credit)

**“Daubert and Expert Testimony”**, November 12, 2013, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787, **Epigenetic Mechanisms, Radiation effects**; (2 hour lecture. Graduate Course Credit)

**Heavy Metal Analysis of Northern Gulf of Mexico White Shrimp Harvested Following the Deepwater Horizon Oil Spill**; Poster Presentation. 3<sup>rd</sup> Anniversary of Deepwater Horizon Incident Conference, Baton Rouge, LA. April 22, 2013.

Impacts of the BP Blowout, The Unknown Consequences and Liabilities; Presentation: **Seafood Safety and Analysis**; Tulane Environmental Law Summit, 2012.

**Symposium: “Health Effects in Heavily Polluted Areas.”** Presented Health Effects from long-term exposure to Creosote in Bossier City. Environmental Mutagen Society, Seattle Washington, September 11-13, 2012

**“Daubert and Expert Testimony”**, November 13, 2012, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed

Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787. BP Oil Spill and Seafood Safety. (2 hour lecture. Graduate Course Credit)

Symposium: **“Environmental Oil Contamination: Effects on Marine life and Human life.”**

Topic presented: Are Seafood Safety Considerations Adequate To Prevent Chronic Health Effects Of The Deep Water Horizon Oil Spill On Coastal Louisiana Residents. Environmental Mutagen Society, Montreal Canada, October 16-20, 2011.

**“Potential Health Effects of Chinese Dry Wall (CDW) Components: A Preliminary Analysis,”** Air and Waste Management Association, 104th Annual Conference & Exhibition of the Air & Waste Management Association, Orlando, Florida, June 21-24, 2011. Study of Adverse Health Effects of a population of residents living in houses with Chinese Dry Wall.

**“Daubert and Expert Testimony”**, October 25, 2011, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787. BP Oil Spill and Seafood Safety. (2 hour lecture. Graduate Course Credit)

**“Health Damages caused by Chinese Drywall”**; Harris Martin Chinese Drywall Litigation Conferences, October 28, 2010, Miami, Florida. Summary: comparison of constituents in American Drywall and preliminary testing on Chinese Drywall; preliminary analysis of resident complaints from homes with Chinese Drywall; Contaminants in gaseous emissions; Contaminants in particulate matter releases; Completed exposure pathways (45 minutes. **CLE credit**)

Invited presentation: **“Deepwater Horizon Oil Spill”**, Greenwich Academy, Greenwich, Connecticut. October 15, 2010.

**“Daubert and Expert Testimony”**, November 9, 2010, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787. BP Oil Spill and Seafood Safety. (2 hour lecture. Graduate Course Credit)

**Invited testimony to Louisiana Senate Judiciary A Committee on Health Effects of Chinese Drywall**; requested by Senator Julie Quinn; May 19, 2009; Summary: report on preliminary analysis of resident complaints from homes with Chinese Drywall and associations with gaseous and particulate contaminants released from contaminated drywall.

**“Health Damages caused by Chinese Drywall”**; HB Litigation Conferences, June 18, 2009, New Orleans, Louisiana. Summary: comparison of constituents in American Drywall and preliminary testing on Chinese Drywall; preliminary analysis of resident complaints from homes with Chinese Drywall; Contaminants in gaseous emissions; Contaminants in particulate matter releases; Completed exposure pathways. (30 minutes. CLE credit).

**“Health Damages caused by Chinese Drywall”**; Harris Martin Chinese Drywall Litigation Conferences, June 4, 2009, Orlando, Florida. Summary: comparison of constituents in American Drywall and preliminary testing on Chinese Drywall; preliminary analysis of resident complaints

from homes with Chinese Drywall; Contaminants in gaseous emissions; Contaminants in particulate matter releases; Completed exposure pathways (45 minutes. **CLE credit**)

**“Benzene—General and Specific Causation of Myelodysplastic Syndrome/RARS”** Harris Martin Benzene Litigation Conference, December 9, 2009, Las Vegas, Nevada. Summary: Mechanism of action of benzene interference in mitochondrial function; formation of ringed sideroblast; benzene hematotoxicity, cytogenetic abnormalities, latency, and epidemiology of AML/MDS. (1 hour 15 min **CLE credit**)

**“Daubert and Expert Testimony”**, October 13, 2009, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation; Internal and External Causation, Completed Exposure Pathway, Mechanism of Action, Toxicology, Epidemiology, Risk Assessment, Louisiana Act 787. (2 hour lecture. Graduate Course Credit)

**“Daubert and Expert Testimony”**, November 21, 2008, Tulane University Law School, New Orleans, Louisiana. Summary: Historical Evidentiary Rulings, Federal Rules of Evidence 702, Daubert v Dow, Havner, Reference Manual on Scientific Evidence, Sir Bradford Hill Points for Consideration in General and Specific Causation. (2 hour lecture Graduate Course Credit)

**“Historical Access and Use of the Louisiana Tumor Registry Data in analysis of cancer incidence.”** November 16, 2007, Tulane University Law School, New Orleans, Louisiana. Summary: Consequences of historic refusal to release data to the public; legal action that mandated data release by Parish, subsequent use of data for regulatory permits, health evaluations surrounding point sources of pollution, litigation; need for zip code data. (2 hour lecture. Graduate Course Credit)

**“Aflatoxins and Mycotoxins: Acute and Chronic Health Effects and Biological Warfare.”** Grandrounds, LSUHSC-Shreveport, LA, March 8, 2005.

**“Asthma Education & Management.”** Grandrounds, LSUHSC-Shreveport, LA, September 16, 2003.

**“Cancer Mortality Data for Louisiana.”** Presented at National Wetlands Research Center Research Center, U.S. Geological Survey Biological Resources Division. Lafayette, Louisiana. April 19, 2002.

**“Prevention of Diseases from Toxic Exposure.”** Presented at Conoco Inc. Safety Summit Meeting. Denver, Colorado. February 20-21, 2001.

**“Prevention of Diseases from Toxic Exposure.”** Presented at Conoco Inc. Safety Summit Meeting. Billings, Montana. January 11-13, 2001.

**“Prevention of Diseases from Toxic Exposure.”** Presented at Conoco Inc. Safety Summit Meeting. Ponca City, Oklahoma. November 28, 2000.

**“Prevention of Diseases from Toxic Exposure.”** Presented at Conoco Inc. Safety and Occupational Health Training Session. Park City, Utah. July 17, 2000

**“Understanding The Medical/Scientific Basis for Evaluation of Toxic Exposure.”** Presented at the Louisiana Trial Lawyers Association Toxic Tort Program. Baton Rouge, Louisiana.

May 18, 2001.

**“Health Effects of the Lincoln Creosote Population”** Presentation for the Carcinogen-DNA Interaction with the National Cancer Institute-Tumor Promotion-Laboratory of Cellular Carcinogenesis. Bethesda, Maryland, May 3, 2000.

Introduce the **“St. John Parish Asthma Project”** to the LaPlace Rotary Club. LaPlace, Louisiana. May 9, 2000.

Introduce the **“St. John Parish Asthma Project”** to the LaPlace Minister’s Association. LaPlace, Louisiana. May 6, 2000.

Introduce the **“St. John Parish Asthma Project”** to the St. John Parish Business, Industry and Government Association. LaPlace, Louisiana. April 19, 2000.

Appearance on KTVE Channel 10 and to conduct a radio interview to promote the **‘Lupus Study Project’**. Monroe, Louisiana. March 16-17, 2000.

Introduce **“Lupus Study Project”** to key community leaders and the Town Council of Gibsland, Louisiana. March 6, 2000.

Presentation to the Caddo Parish School Board **“Fetal Alcohol Syndrome Prevention.”** Workshop. February 9, 2000.

**“Health Effects of Air Pollution.”** Presented at the Take Back Your Air Community Conference. Baton Rouge, Louisiana. January 29, 2000.

**“Children of Louisiana –The Environmental Indicator.”** Presented at University of New Orleans Environmental Breakfast. New Orleans, Louisiana. January 21, 2000.

Participant in a panel discussion at the Mississippi River Basin Conference at the University of Mississippi at St. Louis. July 9-10, 1999.

**“Physical Consequences of Drug, Alcohol, and Inhalant Abuse.”** Presented at the FINS Association Conference in New Orleans, Louisiana, May 11, 1999.

**“The Toxic Effects of Alcohol.”** Presented at St. Peter’s School in Reserve, Louisiana, May 3, 1999.

**“Drug and Alcohol Prevention.”** Presented in Destrehan at Destrehan High School, April 12, 1999.

**“Scientific Methods Used in Louisiana for Evaluating Environmental Pollution.”** Presented in New Orleans at Loyola University for Communications students, November 2, 1998.

Prostate Screening, October 21-23, 1998. IAM Union, Lake Charles, Louisiana.

Presentation on Toxic Exposure Claims- Omnet Managed Care Conference 1998 in Lafayette Louisiana. October 8, 1998.

Presentation on Environmental Justice - "**The Basics of Environmental Law.**" Southern University Law Center in Baton Rouge, Louisiana. October 2, 1998.

Presentation on "**Fetal Alcohol Syndrome/Fetal Alcohol Effects**" - Regional FAS/FAE Prevention Seminar for Professionals on Northwestern State University Campus in Natchitoches. August 3, 1998.

Presentation on "**Fetal Alcohol Syndrome/Fetal Alcohol Effects**" - 1997 Drug Free Schools and Communities Regional Fall Symposium in New Orleans Louisiana. University of New Orleans. December 11, 1997.

Presentation on "**Fetal Alcohol Syndrome**" - Governor's Safe and Drug Free Schools and Communities. North Louisiana Regional Workshop. December 9, 1997. Louisiana State University in Shreveport.

Presentation on "**Health Effects of Metals**" to Local 2518 Machinist Local at Dressor Plant. Tioga Louisiana. November 17, 1997.

Presentation on "**Health Effects of the People of Grand Bois**" in Houma Louisiana. November 4, 1997 to the House and Senate Committees.

Presentation on "**The Role of the Expert Witness in Toxic Tort Litigation: Combustion Site Livingston Parish & Thompson Hayward Site Orleans Parish**" at Southern University Law Center, Lenoir Hall Room 129. November 3, 1997.

Presentation to the Committee of Citizens Bourg Louisiana, regarding Grand Bois. November 3, 1997.

Prostate Screening. October 6-7, 1997. International Paper Mill, Bastrop, Louisiana.

Prostate Screening. September 16-19, 1997. International Paper Mill Bastrop, Louisiana.

Parents Resource Institute for Drug Education, Mandeville High School, "**Alcohol Poisoning.**" Presentation for High School Students. Mandeville, Louisiana, September 9, 1997.

St Charles Parish Schools, In-service for the teachers, "**Fetal Alcohol Syndrome/Fetal Alcohol Effects**", Aug. 13, 14, 15, & 27, 1997. Luling, Hahnville & St. Rose, Louisiana.

State of Louisiana, Office of Youth Development, Jefferson Unit, presentation on "**The Physical Consequences of Drug Abuse**" for the youth, parents, & concerned citizens. New Orleans, Louisiana. August 19, 1997.

AIHA-DSS Reproductive Toxicology Workshop, (1 presentation): "**Reproductive Toxicology.**" August 5, 1997. New Orleans, Louisiana.

June Washington/ IMPACT Drug and Alcohol prevention assistance, Department of Safety & Corrections. May 27, 1997. New Orleans, Louisiana.

Winnfield Intermediate & Primary Schools, "**Substance Abuse.**" Presentation. May 14-16, 1997; Winnfield, Louisiana.

Governor's Conference (two presentations): "**Inhalants, A Habit**" and "**Physical Consequences of Drug and Alcohol Abuse**", April 28 and May 1, 1997, Alexandria, Louisiana.

1997, 3rd Annual Occupational Toxicology Conference, **“Occupational Lung Diseases.”** April 17, 1997. Baton Rouge, Louisiana.

DOTD Engineering Conference, **“Impact of Herbicides on Humans and the Environment.”** December 19, 1996. Baton Rouge, Louisiana.

Chitamacha Reservation School Children presentation to the 4th-8th Grades on “FAS” and “Physical Consequences.” December 17, 1996.

“Children of the USWA Local 8363” and the “Knights of Columbus, Council 10554” and the “CCD Class of Prince of Peace Church”, November 23, 1996, “Physical Consequences” and “FAS.” Chalmette, Louisiana.

Women of the OCAW local 4-500 & 4-555, “Health Prevention Seminar.” November 14, 1996, Sulphur, Louisiana.

BROCWU. “Health Prevention Seminar.” November 14, 1996. Baton Rouge, Louisiana.

Holy Cross, “Drug Abuse Seminar.” November 6, 1996. New Orleans, Louisiana.

Women of the Steelworkers, “Health Prevention Seminar.” Chalmette, Louisiana. October 25, 1996.

“Teen Parent Center” FAS Workshop, October 17, 1996. Baton Rouge, Louisiana.

PAL, Inc., “Phlebotomy A Step Beyond.” Presentation entitled, “The Legal and Technical Aspects of Phlebotomy.” October 5, 1996.

“Drug and Alcohol Program” New Orleans Parish Prison, Sheriff Foti, May 6, 1996.

“Drug Prevention Program.” Pre-Kindergarten through fourth grades, St. Francisville, Louisiana. Schools. April 29 & April 30, 1996.

St. Charles Parish Hospital, Bosom Buddies and Conquering Cancer Support Groups, Luling Louisiana, “The Multi-Step Phases of Cancer Formation”. April 18, 1996.

OCAW Local 447 of Cytec, “Prostate Screening and Prevention of Chronic Disease from Chemical Exposure, December 16, 1995.

White Castle, Louisiana Community Group, “Misuse of Chemicals in the Household.” September 30, 1995.

DSS, DHH and the physicians with the Dept. of Medicine LSUMC-S, presentation on “Fetal Alcohol Syndrome.” and “Fetal Alcohol and Effects.” September 28, 1995.

St. Charles Parish Community, presentation on “Drugs and Alcohol.” September 26, 1995.

Nunez Community College, New Orleans Louisiana/Chalmette, “Toxic Exposure in the Home.” September 14, 1995.

Team Training Workshops for teachers and administrators for Tangipahoa Parish School Board. Hammond, Louisiana. September 13, 1995.

St. Charles Parish School Educational Presentation, "Drug and Alcohol." September 6, 1995.

Educational Presentation, Industrial Companies, Union Representatives and Community. Sulphur, Louisiana, August 26, 1995.

OCAW, LA Pigment, Lake Charles Louisiana. "Prostate Screening", August 14, 1995.

DHH members, Teachers and Community Project, "Fetal Alcohol Syndrome." Shreveport, Louisiana, August 15 & 16, 1995.

Presentation to Women Prisoners in New Orleans, Louisiana, Sheriff Charles Foti, "Fetal Alcohol Syndrome" and "Physical Consequences of Drug Abuse", New Orleans, Louisiana, August 11, 1995.

Tangipahoa Parish, Ponchatoula Bus Drivers, "Physical Consequences of Drug Abuse." Ponchatoula, Louisiana, August 2, 1995.

Tangipahoa Parish, Kentwood Bus Drivers, "Physical Consequences of Drug Abuse." Kentwood Louisiana, August 1, 1995.

Lecture to Prisoners in New Orleans for Sheriff Charles Foti's office, New Orleans, Louisiana, July 27, 1995.

Oil, Chemical, and Atomic Workers Union, District 4 Meeting, Houston, Texas, "Surveying for Toxic Exposure." October 1994

HASMET Conference, International Oil, Chemical, and Atomic Workers Union, "Surveying for Toxic Exposure", October 1994.

American Society of Phlebotomy Technicians, Baton Rouge, Louisiana, "Forensic Urine Collections That Will Withstand a Court Challenge." September 1994.

Oil Chemical and Atomic Workers Union, Local 4-786, Sterlington, Louisiana, July 1994, "Prevention and Monitoring of Toxic Exposure in the Workplace."

United Transportation Union, Shreveport, Louisiana, June 1994, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Lafourche Parish Alternative Schools, 3 presentations: South, Central, and North Campuses, Galliano, Louisiana, Mathews, Louisiana, and Thibodaux, Louisiana, April 1994, "Physical Consequences of Drug and Alcohol Use."

United Paperworkers International Union, Local 1226, DeRidder, Louisiana, April 1994, "Surveying for Toxic Exposure and Prevention Programs."

United Steelworkers of America Local 5702, Gramercy, Louisiana, April 1994, "Surveying for Toxic Exposure and Prevention Programs."

Louisiana Youth Conference: "Taking A Stand", Louisiana State Department of Public Safety and Corrections, Baton Rouge, Louisiana, April 1994, "Toxic Effects of Alcohol on the Brain."

Red River Parish School Board, 7 student presentations, grades 5-12, at Coushatta High School, Springville Middle School, Hall Summit School, and Martin School, 1 parents presentation, and 1 teacher presentation to Red River Parish School teachers, March, 1994, Springville, Louisiana, Martin, Louisiana, Coushatta, Louisiana, and Hall Summit, Louisiana, "Fetal Alcohol Syndrome/Fetal Alcohol Effects."

Community Partnership for a Drug Free Shreveport and The Chemical Dependency Training Institute, Conference on Fetal Alcohol Syndrome/Fetal Alcohol Effects, March, 1994, Shreveport, Louisiana, Workshop Title: THE EFFECTS OF ALCOHOL CONSUMPTION ON THE UNBORN AND NEWBORN CHILD. Presentations: "Fetal Development and Alcohol Toxicity", "Fetal Alcohol Syndrome."

"Fetal Alcohol Effects", "Is An Occasional Drink During Pregnancy Safe for the Unborn Child?" "Alcohol Consumption During Lactation." "Impact of FAS/FAE on the Health Care and corrections Systems, Schools, Community, and the Family." "Prevention: Awareness Campaigns, Legislation, and Community Action." "Paternal Alcohol Use and the Effect on the Unborn Child." Moderator, Panel Discussion.

Louisiana State Executive Board, International Association of Machinists, Baton Rouge, Louisiana, March, 1994. "Prevention and Monitoring of Toxic Exposure in the Workplace."

Baton Rouge Oil and Chemical Workers Union of Exxon, Inc., Baton Rouge, Louisiana, March, 1994, "Surveying for Toxic Exposure and Prevention Programs."

Oil, Chemical, and Atomic Workers Union, Local 4-447, Westwego, Louisiana, March, 1994, "Surveying for Toxic Exposure and Prevention Programs."

Oil, Chemical, and Atomic Workers Union, Local 4-620, Gonzales, Louisiana, February, 1994, "Surveying for Toxic Exposure and Prevention Programs."

Oil, Chemical, and Atomic Workers Union, Local 4-750, Norco, Louisiana, January 1994, "Surveying for Toxic Exposure and Prevention Programs."

Oil, Chemical, and Atomic Workers Union, Local 4-555, Lake Charles, Louisiana, January 1994, "Surveying for Toxic Exposure and Prevention Programs."

International Association of Machinists and Aerospace Workers, Local 1317, Lake Charles, Louisiana, January 1994, "Surveying for Toxic Exposure and Prevention Programs."

International Association of Machinists and Aerospace Workers, Local 470, Lake Charles, Louisiana, January 1994, "Surveying for Toxic Exposure and Prevention Programs."

American Society of Phlebotomy Technician's Regional Conference, December 1993, New Orleans, Louisiana, "Louisiana Law and Its' Impact On The Profession of Phlebotomy."

Louisiana AFL-CIO state meeting, March 1993, "Prevention of Chronic Diseases in the Workplace." Baton Rouge, Louisiana.

Louisiana State Department of Public Safety and Corrections, Fifth Annual "Taking A Stand" Louisiana Youth Conference, Baton Rouge, Louisiana, March 1993, "Public Health Issues Related To Alcohol and Other Drugs."

Louisiana Department of Education, Substance Abuse Prevention Education (SAPE) Conference, Natchitoches, Louisiana, June, 1993 "Drugs of Abuse."

Louisiana State Medical Society, Impaired Physicians Program, Baton Rouge, Louisiana, May 1993, "Drug Testing in Recovery."

Baton Rouge Society for Medical Technology, Baton Rouge, Louisiana, March 1993, "Licensure Update."

Louisiana State Society for Medical Technology, New Orleans, Louisiana, April 1993. "Louisiana Licensure-Where Are We Now!"

U.S. Department of Education, Louisiana Department of Education, Videotape Production for Louisiana Educators, Natchitoches, Louisiana, September 1992, "Drug Free Forum: Drug-Exposed Children."

Louisiana Department of Education, Administrators Conference, Alexandria, October 1992, "Drugs of Abuse."

Louisiana Department of Education, Teachers and Counselors Conference, Alexandria, Louisiana, October 1992, "Physical Consequences of Drug and Alcohol Use."

Cypress Hospital, In-service educational program, Lafayette, Louisiana, September 1992, "Fetal Development and Fetal Alcohol Syndrome."

Chevron, Belle Chase, Louisiana, June 1992, Drug-Testing Workshop, "Implementing A Quality Drug-Testing Program."

Louisiana Council on Child Abuse, Sixth Annual "Kids Are Worth It" Conference, Baton Rouge, Louisiana, April 1992, "Fetal Alcohol Syndrome Workshop."

Department of Health and Hospitals, Region VII Professional and Community Mobilization for Prevention and Treatment of Fetal Alcohol Syndrome/Fetal Alcohol Effects", Natchitoches, Louisiana, April 1992, "Fetal Alcohol Syndrome/Fetal Alcohol Effects."

Louisiana State Society for Medical Technology Annual Convention, Biloxi, Mississippi, April 1992, "What Licensure Will Do For Our Profession."

Department of Health and Hospitals, Division of Alcohol and Drug Abuse, Region III Conference, Thibodaux, Louisiana, April 1992, "Fetal Alcohol Syndrome/Fetal Alcohol Effects Basics."

Baton Rouge Oil and Chemical Workers Association Convention, Baton Rouge Louisiana, September 1992, "Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-555, Lake Charles, Louisiana, August 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-500, Lake Charles, Louisiana, August 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-620, Prairieville, Louisiana, August 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-750, Norco, Louisiana, August 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-447, Westwego, Louisiana, September 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-245, Shreveport, Louisiana, September 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil Chemical and Atomic Workers Union, Local 4-522, Chalmette, Louisiana, September 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

United Steelworkers of America, Local 5702, Gramercy, Louisiana, October 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Laborers' International Union of North America, Local 1177, Baton Rouge, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

United Steelworkers of America, Local 9121, La Place, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

International Association of Machinists and Aerospace Workers, Local 470, Lake Charles, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."  
International Association of Machinists and Aerospace Workers, Local 2518, Alexandria, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

International Association of Firefighters, Local 514, Shreveport, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

International Association of Firefighters, Local 632, New Orleans, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Oil and Chemical Workers Union of Exxon, Inc., Baton Rouge, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

United Steelworkers of America, Local 8363, Chalmette, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

International Association of Machinists and Aerospace Workers, Local 1177, Lake Charles, Louisiana, November 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

International Association of Firefighters, Local 557, Baton Rouge, Louisiana, December 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Laborers' International Union of North America, Local 689, New Orleans, Louisiana, December 1992, "Prevention and Monitoring of Toxic Exposure in the Workplace."

Louisiana Department of Education, Assumption, Ascension, Lafourche, St. James, St. John the Baptist, St. Mary, and Terrebonne Parish School Boards, Napoleonville, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

Ascension Parish School Board, Secondary School Coaching Staffs, Gonzales, Louisiana, January 1992, "Sample Collection."

International Facility Managers Association, Baton Rouge, Louisiana, November 1991, "Quality Drug-testing Programs-Problems to Avoid."

Louisiana Oil Marketer's Association Convention, Baton Rouge, Louisiana, November 1991, "Implementation of DOT Drug-Testing Programs."

Louisiana Department of Education, Educators Conference, Alexandria, Louisiana, September 1991, "Fetal Alcohol Syndrome."

East St. John High School, Reserve, Louisiana, October 1991, "Fetal Development and Fetal Alcohol Syndrome."

Louisiana Department of Education, Caddo, Bossier, Bienville, Claiborne, DeSoto, Red River, and Webster Parish School Boards, Shreveport, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-Testing Program and Model Policy."

Louisiana Department of Education, Avoyelles, Grant, LaSalle, Natchitoches, Rapides, Sabine, Vernon, and Winn Parish School Boards, Alexandria, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

Louisiana Department of Education, Allen Beauregard, Calcasieu, Cameron, and Jefferson Davis Parish School Boards, Lake Charles, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

Louisiana Department of Education, Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, and Vermilion Parish School Boards Lafayette, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

Louisiana Department of Education, East and West Baton Rouge, East and West Feliciana, Iberville, Pointe Coupee, Livingston, St. Helena, St. Tammany, Tangipahoa, Washington, City of Bogalusa School Boards, Baton Rouge, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

Louisiana Department of Education, Orleans, Jefferson, Plaquemines, St. Bernard, and St. Charles Parish School Boards, New Orleans, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

Louisiana Department of Education, City of Monroe, Tensas, Ouachita, Lincoln, Madison, Morehouse, Richland, Union, West Carroll, Caldwell, Catahoula, Concordia, East Carroll, Franklin, and Jackson Parish School Boards, Monroe, Louisiana, October 1991, "Model Drug Policy In-service: Overview of Drug-testing Program and Model Policy."

J.B. La Fargue High School, Alexandria, Louisiana, October 1991, "Physical Consequences of Drug and Alcohol Use" and "Fetal Alcohol Syndrome."

International Association of Personnel and Employment Security, Baton Rouge, Louisiana, October 1991, "Drug-Testing."

Rapides General Hospital, Alexandria, Louisiana, November 1991, "Licensure, CLIA, and the Impact on Our Profession."

Students Against Drunk Driving (SADD) Conference, Pollack, Louisiana, April 1991, "Physical Consequences of Drug and Alcohol Use."

Dillard University, Conference on Drug Abuse, New Orleans, Louisiana, June 1991, "Fetal Alcohol Syndrome and the Physical Consequences of Drug and Alcohol Use."

Southwest Regional Center for Drug-Free Schools and Communities, Salt Lake City, Utah, June 1991, "Workshop on Implementing a Quality Drug-Testing Program."

New Orleans Legal Secretary Association, New Orleans, Louisiana. August 1991, "AIDS-The Medical and Legal Aspects."

Rapides Society for Medical Technology, Alexandria, Louisiana. September 1991, "Licensure for Medical Technologists."

International Personnel Managers Association, New Orleans, Louisiana. September 1991, "Drug-Testing: Law and Procedures."

Louisiana Department of Education, Educators Conference, Alexandria, Louisiana. September 1991, "Sexually Transmitted Diseases."

Louisiana Department of Education, Administrators Conference, Lafayette, Louisiana, February 1991, "Drug-testing-overview of Procedures and Louisiana Act 1036."

Louisiana Department of Education, Educators Conference, February 1991, Alexandria, Louisiana, "Fetal Alcohol Syndrome" and "Sexually Transmitted Diseases."

Society of Human Resource Managers, Baton Rouge, Louisiana, February 1992, "Overview of Louisiana Act 1036 of the 1990 Legislative Session."

The Angela Show, Channel 4, New Orleans, Louisiana, February 1991, "Fetal Alcohol Syndrome Panel."

AFL-CIO Annual Convention, Baton Rouge, Louisiana, March 1991, "Drug-testing in the Workplace."

Louisiana Oil Marketers Association, Lafayette, Lake Charles, Shreveport, Monroe, Baton Rouge, and Covington, March 1991, Statewide Educational Workshops on "DOT Drug-Testing Requirements."

International Oil Chemical and Atomic Workers Union, Local 4-470, New Orleans, Louisiana, April 1991, "Drug-Testing Workshop."

Louisiana State Society for Medical Technology, Lafayette, Louisiana, April 1991, "Grass Roots Lobbying for Licensure."

Louisiana Oil Marketers Association, Baton Rouge, Louisiana, November 1990, "DOT Drug Testing Rules and Compliance Procedures."

XII Annual conference on Substance Abuse, Park City, Utah, October 1990, "How to Choose A Court-Acceptable Drug-Testing Program."

"The Technical and Legal Aspects of Drug Testing." Presented by the Department of Medical Technology and the New Orleans Bar Association, November 1989. 8.6 hrs. CLE or CEU.

"The Technical and Legal Aspects of Drug Testing." Presented by the Department of Medical Technology and the New Orleans Bar Association, February 1990. 9 hrs. CLE or CEU.

Southwestern States Summit, Tucson Arizona, December 1989. "Choosing A Drug Testing Program That Will Withstand A Court Challenge."

Labor Section Council on Management, April 1989. "Choosing A Drug Testing Program That Will Withstand A Court Challenge." New Orleans, Louisiana.

Louisiana State Department of Education, School Team Training, February 1990, "Fetal Development and Fetal Alcohol Syndrome." "Physical Consequences of Drug and Alcohol Abuse," and "Sexually Transmitted Diseases." Alexandria, Louisiana.

Southwest Regional Center for Drug-Free Schools and Communities, First Regional Network Conference of Colleges and Universities Committed to the Elimination of Drug and Alcohol Abuse. February 1990. "Physical Consequences of Drug and Alcohol Abuse." "Choosing A Drug-Testing Program That Will Withstand A Court Challenge." Alexandria, Louisiana.

Louisiana State University Law School, Current Developments In Employment and Labor Law, March 1990. Baton Rouge, Louisiana. "Drug and Alcohol Testing In the Workplace From the Employer's Perspective."

American Federation of Teachers Lawyer's Conference, Atlantic City. June 1990. "Specifics for Consideration in Negotiating Quality Drug Testing Programs."

AFL-CIO State Convention, Baton Rouge, Louisiana. March 1990. "Protection for A Drug Free Work Place." U.S. Probation Office, May 1990. "Proper Collection techniques for Forensic Urine Specimens." New Orleans, Louisiana.

Louisiana Occupational Health Nurses, Drug Collection Workshop, August 1990. New Orleans, Louisiana.

Southwest Regional Center for Drug-Free Schools and Communities, Salt Lake City, Utah, June 1990. "Choosing A Drug-testing Program That Will Withstand A Court Challenge."

LSU Center for Substance Abuse Prevention, Training, and Research, Training Workshop for the Division of Alcohol and Drug Abuse for the Louisiana Department of Health and Hospitals. Baton

Rouge, Louisiana. August, September, October, November 1990. "Procedures in Monitoring Urine Drug Screens and Alcohol."

Occupational Safety Congress and Exposition, Lafayette, Louisiana. September 1990, "Drug Testing."

Louisiana State Department of Education, Drug Abuse Counselors, October 1990, Alexandria, Louisiana. "Physical Consequences of Drug and Alcohol Abuse." "Fetal Development and Fetal Alcohol Syndrome." "Sexually Transmitted Diseases."

Southwest Regional Center for Drug-Free Schools and Communities, Park City, Utah, October 1990. "Choosing A Drug-Testing Program That Will Withstand A Court Challenge."

International Personnel Managers Association, September 1990, Baton Rouge, Louisiana. "Act 1036-minimal Guidelines for Drug-Testing of Specimens Collected in Louisiana."

Louisiana Department of Employment and Training Conference of Administrative Law Judges, August 1990, Lafayette, Louisiana. "Criteria for Judging Acceptable Quality in Drug-Testing Programs."

American Association of Anatomists, April 1983, Panel Discussion on Hemopoiesis, Topic: "Megakaryocytopoiesis."

Seminar: In Vitro Characterization of Megakaryocytopoiesis. Department of Hematology, MD Anderson Hospital and Tumor Institute, University of Texas System Cancer Center, Houston, Texas. June 1983.

Seminar: "An In Vitro Assay for Thrombopoietin Utilizing Guinea Pig Whole Bone Marrow: A System for the Study of Megakaryocytopoiesis." Department of Anatomy, Louisiana State University Medical Center, New Orleans, Louisiana, November 1983.

Seminar: "Transitional Events Linking the Mitotic and Endomitotic Compartments of the Megakaryocytic Series", Tulane University, Department of Biology, New Orleans, Louisiana, April 1984.

Poster Presentation: Hormonal Control of Thrombopoiesis, American Heart Association, Louisiana, Inc., Annual Meeting. May 1981.

Seminar: "Hematology: Basic Morphology, Methodology, and Disease." Charity Hospital in Independence, Louisiana, 1977.

Seminar: "Coagulation: Basic Concepts and Disease." Charity Hospital in Independence, Louisiana, 1977.

Career Seminars for Allied Health Majors, University of New Orleans, LSU in Baton Rouge, LSU in Alexandria, Student Bowl Judge, Louisiana State Society for Medical Technology

Gross Anatomy for Allied Health Majors, Department of Anatomy, LSU Medical Center, New Orleans, Louisiana. Topics: "The Autonomic Nervous System" and "The Peripheral Nervous System."

Cell Biology, Department of Biology, Tulane University, New Orleans, Louisiana, Topic: "The Golgi Apparatus."

Histology, Department of Biology, Tulane University, New Orleans, Louisiana, Topic: "Hematopoiesis."

Medical Histology, Department of Anatomy, Tulane Medical School, New Orleans, Louisiana, Topic: "Hematopoiesis."

Cell Biology, Department of Anatomy, LSU Medical Center, New Orleans, Louisiana, Topic: "Cellular Turnover and Renewal in Differentiated Tissues."

Veterans Administration Hospital, New Orleans, Louisiana, Continuing Education, Topic: "The Impact of DRG's and TEFRA on Medical Technology Education."

New Orleans Society for Medical Technology, New Orleans, Louisiana. Topic: Graduate Education in Medical Technology.

"Lymphoproliferative Disorders", Veterans Administration Hospital, October 1989, Alexandria, Louisiana.

"Immunocytochemical Localization Of Erythropoietin Binding Sites Using The Immunoperoxidase Technique." Presented at the Louisiana Society for Electron Microscopy Symposium, May 1981.

"Development of an In Vitro Assay for Thrombopoietin Using Tritiated-Thymidine Uptake of Megakaryocytic Precursors." Presented at the ICN-UCLA Conference on Normal Hematopoiesis, Keystone, Colorado. March 1983.

"Characterization of Megakaryocytopoiesis Under the Hormonal Influence of Thrombopoietin." Presented at the American Association of Anatomists Meeting, April 1983.

"In Vitro Characterization of Megakaryocytopoiesis." Presented at the Louisiana Society for Electron Microscopy Symposium. May 1983.

"Effects of Thrombopoietin on Megakaryocytic Differentiation In Vitro." Presented at the American Society for Cell Biology Meeting, San Francisco, California. November 1983.

"The Technical and Legal Aspects of Phlebotomy." Department of Medical Technology, Traveling Workshop. Presented to hospital personnel throughout the State of Louisiana.

## **Professional Development and Continuing Education**

### **2025 (to 1/31/25)**

Member Association for Diagnostics and Laboratory Medicine (formerly American Association for Clinical Chemistry)

Member Society of Toxicology

Member Air and Waste Management Association

Member Society of Environmental Toxicology and Chemistry

Member American Society for Microbiology

Member American Society for Clinical Pathologists

## **2024**

Member Association for Diagnostics and Laboratory Medicine (formerly American Association for Clinical Chemistry)

Member Society of Toxicology

Member Air and Waste Management Association

Member Society of Environmental Toxicology and Chemistry

Member American Society for Microbiology

Member American Society for Clinical Pathologists

SOT Meeting, Park City Utah. 2024

CE: 63<sup>rd</sup> Annual Meeting & ToxExpo, Salt Lake City, Utah, March, 2024. “Advances in Metal Toxicology: From Aging and Disease Causation to Detection and Regulatory Measures.” 2024.

CE: 63<sup>rd</sup> Annual Meeting & ToxExpo, Salt Lake City, Utah, March, 2024. “Foundations of Embryonic and Fetal Development and Application to Developmental Toxicity Testing.” 2024

CE: 63<sup>rd</sup> Annual Meeting & ToxExpo, Salt Lake City, Utah, March, 2024. Bridge over Adverse Waters: Integrating Pathology Findings into the Interpretation of Toxicology Studies. 2024

CE: 63<sup>rd</sup> Annual Meeting & ToxExpo, Salt Lake City, Utah, March, 2024. Harnessing Toxicology in Pregnancy: Traditional and Novel Approaches to Placental Toxicology Research. 2024.

CE: 63<sup>rd</sup> Annual Meeting & ToxExpo, Salt Lake City, Utah, March, 2024.

CE: Anderson Continuing Education for La State Board of Medical Examiners. Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory Personnel: “Revenge of the Microbes: How Antibiotic Resistance Is Undermining the Antibiotic Miracle.” 12 hrs CEUs, 12/15/2024

## **2023**

Member American Society of Clinical Pathologists

Member Society of Toxicology

Member Air and Waste Management Association

Member Society of Environmental Toxicology and Chemistry

Member American Association for Clinical Chemistry

CE: Society of Toxicology, 62<sup>nd</sup> Annual Meeting & Tox Expo, Nashville TN, “Beyond the Powerhouse: Investigating Mechanisms of Mitotoxicity. March 19, 2023.

CE: Society of Toxicology, 62<sup>nd</sup> Annual Meeting & Tox Expo, Nashville TN, “An Introduction to Clinical and Medical Toxicology.” March 19, 2023

CE: Andersen Continuing Education for La State Board of Medical Examiners: Diagnosis of Disease in the Clinical Laboratory, 3<sup>rd</sup> ed. Laposata’s Laboratory Medicine. 12 hrs. CEUs, 2023

SOT Meeting, 2023, Nashville, Tenn.

## **2022**

Member American Society of Clinical Pathologists Credit: 1

Member Society of Toxicology Credit: 1

Member Air and Waste Management Association Credit: 1

Member Society of Environmental Toxicology and Chemistry Credit: 1

Member American Association for Clinical Chemistry Credit: 1

CE: Society of Toxicology, 3.25 hours; 61<sup>st</sup> Annual Meeting, San Diego, California; online course; July 2022. “Next Level Neurotoxicology: New Technologies to Advance Visualization of Spatial Molecular Alterations and Behavioral Phenotyping.”, 2022. Credit: 3.25

CE: Society of Toxicology. 61<sup>st</sup> Annual Meeting, San Diego, California; “Metals on the Menu and other Food for Thought.” Online . 2022. Credit: 1

CE: American Association for Clinical Chemistry. Basic Concepts and Clinical Applications of Flow Cytometry.” December 20, 2022; Online Certificate Program; 12 hours CEUs. Credit: 5

SOT Meeting, Online attendance, 61<sup>st</sup> Annual Meeting, San Diego, California. 2022. Credit: 6

## **2021**

Member American Society of Clinical Pathologists

Member Society of Toxicology

Member Air and Waste Management Association

Member Society of Environmental Toxicology and Chemistry

Member American Association for Clinical Chemistry

CE Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory Personnel: How the Immune System Works 2021, 12 hours CEUs

SOT CE: Integrating computational tools into carcinogenicity. 1 hour. December 14, 2021

SOT CE: NAMSS Trainee Series—Part 1: “Characterization of nano-sized silica in agricultural exposures and its role in the pathogenesis of chronic kidney disease.” “Effects of engineered nanoparticles on gut-associated bacterial biofilms”. 1 hour. November 4, 2021

CE: SETAC Europe 30<sup>th</sup> Virtual Annual Meeting/SETAC SciCon, The Endocrine System: Global Perspectives on Testing Methods and Evaluation of Endocrine Activity. 3/24/2021

CE: SETAC Europe 30<sup>th</sup> Virtual Annual Meeting/SETAC SciCon, Wildlife Ecotoxicology. 3/25/21.

CE: SOT 60<sup>th</sup> Virtual Annual Meeting, Concepts and Approaches for Current and Future Metals Toxicologic Research. 2021

CE: SOT 60<sup>th</sup> Virtual Annual Meeting, Development, Toxicology, and Pathology of the Female Reproductive Tract: Interpretation of Findings from the Pathologist and Regulatory Perspectives., 2021. 3.75 hrs.

CE: SOT 60<sup>th</sup> Annual Meeting Virtual Meeting, Risk Assessment, DART, and Endocrine Disruption: A World View. 2021

CE: SOT Webinar: Computational Carcinogenicity. 12/14/2021

SETAC Europe 31<sup>st</sup> Annual Meeting-Europe 2021. Online attendance.

SOT Virtual SOT 60<sup>th</sup> Annual Meeting, Online attendance; 2021

AACC Annual Scientific Virtual Meeting + Clinical Lab Expo. The Lab + Beyond, 2021

**Saint Scholastica Academy, Invited Lecture: “Alcohol Metabolism and Fetal Alcohol Syndrome. 2021**

**Manuscript Review:**

**Journal of the Air & Waste Management Association. “Characterization and effective dose of gross alpha and gross beta activities in particulate matter samples in Singrauli Coalfield, India.” 2021. (Manuscript ID UAWM-2021-0226)**

**2020**

Member American Society of Clinical Pathologists Credit: 1

Member Society of Toxicology Credit: 1

Member Air and Waste Management Association Credit: 1

Member Society of Environmental Toxicology and Chemistry Credit: 1

Member American Association for Clinical Chemistry Credit: 1

SOT Virtual Meeting, online attendance 2020 Credit: 6

SETAC Europe 30<sup>th</sup> Annual Meeting; SETAC SciCon May 3-7 2020. Online meeting. Credit: 6

CE: American Association for Clinical Chemistry, “The Role of Laboratory Diagnostics in SARS-Cov-2 infection and Related Comorbidities: Experiences and Population Management Strategies from Highly Affected Regions of China and Italy, May 6, 2020. 1 hr. Credit: 1

CE: SETAC SciCon Conference (SETAC Dublin 2020) Wildlife Ecotoxicology Training Course. May 28, 2020. Credit: 1

CE: SOT. Webinar: E-cig or vaping Product Use—Associated Lung Injury: Analysis from Epidemiological, Clinical, Forensic, & Mechanistic Perspective. 2.75 hrs. March 18, 2020 Credit: 2.75

CE: SOT. Webinar: Genome Editing in Drug Discovery: Using the Cas9 Protein to Explore Target-Mediated Toxicity. 1.5 hrs. March 16, 2020. Credit: 1.5

CE: SOT. Webinar: New Frontiers in Dynamic Toxicology. 2 hrs. March 17, 2020. Credit: 2

CE Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory Personnel: Pathology for the Health Professions Section B 12/30/20 12 hours CEUs Credit: 5

Manuscript Review:

**Journal of the Air & Waste Management Association. “Lung tissue inflammatory response and pneumonocyte apoptosis of SD rats after a 30 days exposure in methyl mercaptan vapor.” 2020 (Manuscript ID UAWM-2020-0050). Credit: 2**

**Journal of the Air & Waste Management Association. “Measurement of the gross alpha (activity of the fine fractions of road dust and near-roadway ambient particle matter.” 2020 (Manuscript ID UAWM-2020-0158.R1). Credit: 2**

## **2019**

Member American Society of Clinical Pathologists 1/1/19

Member Environmental Mutagenesis and Genomics Society 1/1/19

Member Society of Toxicology 1/1/19

Member Air and Waste Management Association 1/1/19

Member Society of Environmental Toxicology and Chemistry 1/1/19

Member American Association for Clinical Chemistry 1/1/19

Keystone Symposia: DNA Replication and Genome Instability From Mechanism to Disease  
1/13-1/17/19

Annual Meeting of SOT Baltimore, Maryland 2019

Annual Meeting of EMGS Washington DC 2019

SOT CE: Beauty of the Skin is in the Eye of The Beholder: A Basic Course on Dermal and Ocular Toxicology 4 hours 3/10/2019

SOT CE: Developmental Toxicity of the Skeletal System Interpretation of Findings in DART Studies and Implications for Risk Assessment. 4 hours 3/10/2019

CE Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory Personnel: Pathology for the Health Professions Section A 12/31/19 12 hours CEUs

American Association of Clinical Chemistry Fundamentals of Molecular Pathology Certificate Program

## **2018:**

Member American Society of Clinical Pathologists 1/1/18

Member Environmental Mutagenesis and Genomics Society 1/1/18

Member Society of Toxicology 1/1/18

Member Air and Waste Management Association 1/1/18

Member Society of Environmental Toxicology and Chemistry 1/1/18

Member American Association for Clinical Chemistry 1/1/18

Annual Meeting of SOT San Antonio, Texas 2018

American Association of Clinical Chemistry-Introductory Liquid Chromatography  
Mass Spectrometry for the Clinical Laboratory December 31,2018; 12 hours CE

SOT CE: Assessment of Peri- and Prepubertal Developmental and Reproductive Toxicology  
4 hours 3/11/2018

Mid-America Toxicology Course Curtis D. Klaassen April 29-May 4, 2018 37.5 hours 5/4/2018

University of South Alabama Mitchell Cancer Institute, 1<sup>st</sup> Southern Genome Maintenance  
Conference, October 20-21, 2018; Mobile, Alabama 8.75 CEUs

Invited Presentation: Tulane University Law School, Environmental Law Graduate Lecture:  
General and Specific Causation from Environmental Exposures, Completed Exposure Pathways,  
Mechanism of Action of Toxicants, Toxicology, Epidemiology, and Risk Assessment; Genetics is  
coming to the Courtroom: Mutations and Disease, Cancer, Birth Defects, November 2018. (2  
hours)

Mid-America Toxicology Course, Curtis D. Klaassen, Kansas City, Mo. Lectures in  
Toxicology for American Board of Toxicology Exam, 2018.

Society of Toxicology 57<sup>th</sup> Annual Meeting and Tox Expo. San Antonio, Texas. March 11-15,  
2018

Society of Toxicology Continuing Education: Peri- and Prepubertal Developmental and  
Reproductive Toxicity, March 2018.

Society of Toxicology Continuing Education: Xenobiotic Pharmacokinetics during Pregnancy and  
Lactation, March 2018.

1<sup>st</sup> Southern Genome Maintenance Conference, University of Southern Alabama, Mobile  
Alabama, October 20-21, 2018

## **2017**

Member American Society of Clinical Pathologists 1/1/17

Member Environmental Mutagenesis and Genomics Society 1/1/17

Member Society of Toxicology 1/1/17

Member Air and Waste Management Association 1/1/17

Member Society of Environmental Toxicology and Chemistry 1/1/17

Member American Association for Clinical Chemistry 1/1/17

CE Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory  
Personnel: Cellular and Molecular Immunology Part B 12/28/17 12 hours CEUs

Invited Presentation: Williams P., Family Law Center New Orleans, La. Effects of Drugs and  
Alcohol on the Visual System-- May 19, 2017 (1 hour)

Invited Presentation: Tulane University Law School, Environmental Law Graduate Lecture:  
General and Specific Causation from Environmental Exposures, Completed Exposure Pathways,  
Mechanism of Action of Toxicants, Toxicology, Epidemiology, and Risk Assessment; Epigenetic  
and Transgenerational Carcinogenesis, November 2017. (2 hours)

Anderson Continuing Education. Cellular and Molecular Immunology, Section B, 12 hours.  
December 28, 2017.

## **2016**

Member American Society of Clinical Pathologists 1/1/2016 1/1/16

Member Environmental Mutagenesis and Genomics Society 1/1/16

Member Society of Toxicology 1/1/16

Member Air and Waste Management Association 1/1/16

Member Society of Environmental Toxicology and Chemistry 1/1/16

Annual Meeting of AWMA New Orleans 2016

Annual Meeting of SOT New Orleans, Louisiana 2016

SOT CE: Embryology and Developmental Toxicity Testing 4 hours 3/13/2016

CE Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory  
Personnel: Cellular and Molecular Immunology Part A 12/29/16 12 hours CEUs

Williams P M and McGregor D W (2016) “Absorption of BaSO<sub>4</sub> into the Nail Beds of Residents from an Adjacent Oil Field Waste Site” at the 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2016, New Orleans, La.

Williams P M and Grice C P (2016) “Adverse Health Effects in Tar Ball Workers and Boat Crews from Crude Oil/Corexit Mixtures from the Deepwater Horizon Oil Spill” at the 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2016, New Orleans, La.

Invited Presentation: Williams P, “Effects of Drugs and Alcohol on the Visual System” Louisiana State Police Crime Lab, Baton Rouge, Louisiana, February 11, 2016 (1 hour)

Invited Presentation: Williams P, “Drugs and Alcohol”; LDAA (Louisiana District Attorneys Association) Prosecuting the Drugged Driver. Baton Rouge, Louisiana, September 26, 2016 (1 hour)

Invited Presentation: Tulane University Law School, Environmental Law Graduate Lecture: General and Specific Causation from Environmental Exposures, Completed Exposure Pathways, Mechanism of Action of Toxicants, Toxicology, Epidemiology, and Risk Assessment; Talcum Powder and Causation of Ovarian Cancer: Mechanistic Deficiencies. November 8, 2016 (2 hours)

Williams P M and McGregor D W (2016) “Absorption of BaSO<sub>4</sub> into the Nail Beds of Residents from an Adjacent Oil Field Waste Site” Proceedings of the 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2016. Paper # 1106 2016

Williams P M and Grice C P (2016) “Adverse Health Effects in Tar Ball Workers and Boat Crews from Crude Oil/Corexit Mixtures from the Deepwater Horizon Oil Spill” Proceedings of the 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, 2016. Paper #1152 2016.

Society of Toxicology 55<sup>th</sup> Annual Meeting and Tox Expo, New Orleans, Louisiana, March 13-17, 2016.

The 109<sup>th</sup> Air and Waste Management Association Annual Conference and Exhibition, New Orleans, Louisiana, June 19-23, 2016.

Microinjecting CRISPR: Options & key considerations for creating transgenic animal models. Technology Network Webinar. June 30, 2016

Anderson Continuing Education, Cellular and Molecular Immunology, Section A, 12 hours. December 29, 2016.

## **2015**

Member American Society of Clinical Pathologists 1/1/15

Member Environmental Mutagenesis and Genomics Society 1/1/15

Member Society of Toxicology 1/1/15

Member Air and Waste Management Association 1/1/15

Annual Meeting of EMGS New Orleans 2015

Annual Meeting of SOT San Diego, California 2015

Member Society of Environmental Toxicology and Chemistry 1/1/15

SOT CE: Skeletal System Endocrinology and Toxicology 4 hours 3/22/2015

SOT CE: An Introduction to the Exposome 4 hours 3/22/2015

CE Course Anderson CE for La State Board of Medical Examiners, Clinical Laboratory Personnel: Hematology: A Pathophysiologic Approach 12/28/15 12 hours CEUs September, 2015

Invited Presentation: Tulane University Law School, Environmental Law Graduate Lecture: General and Specific Causation from Environmental Exposures, Completed Exposure Pathways, Mechanism of Action of Toxicants, Toxicology, Epidemiology, and Risk Assessment; Toxicology of Herbal Products and Dietary Products, December, 2015 (2 hours)

Williams P M and Grice C P (2015) "Adverse Health Effects including Optic Atrophy in Tar Ball Workers from Crude Oil/Corexit Mixtures from the Deepwater Horizon Oil Spill" Abstract Conference Proceedings of the 46<sup>th</sup> Environmental Mutagenesis and Genomics Society Annual Meeting, Symposium Presentation New Orleans, Louisiana, September, 2015 (1 hour)

Society of Toxicology 54<sup>th</sup> Annual Meeting and Tox Expo, San Diego, California, March 22-26, 2015

Society of Toxicology CE Course: An Introduction to the Exposome. 4 hrs credit. March 22, 2015.

Society of Toxicology CE Course: Skeletal System Endocrinology and Toxicology. 4 hrs credit. March 22, 2015.

Society of Toxicology CE Course: New Horizons in Chemical Carcinogenesis: Advances in Mode of Action and Mechanism of Cancer Pathogenesis. 1 hr credit. March 22, 2015.

## **2014**

CE Course Anderson Continuing Education for LA State Board of Medical Examiners, Clinical Laboratory Personnel: How the Immune System Works. 12 hours credit December 28, 2014.

2014 Fracturing Impacts and Technologies Conference; Texas Tech University and Air and Waste Management Association, September 4, 2014.

Anderson Continuing Education (Louisiana Licensure) How the Immune System works, 12 hrs credit December 28, 2014.

Society of Toxicology CE Course: Epidemiology for Toxicologists: What the Numbers Really Mean. 4 hrs credit, March 23, 2014.

Society of Toxicology 53<sup>rd</sup> Annual Meeting, Phoenix, Arizona, 2014.

## **2013**

3<sup>rd</sup> Anniversary of Deepwater Horizon Incident Conference: Louisiana Research Perspectives on the Deepwater Horizon 2010 Spill: The Good, The Bad, and The Ugly. April 22, 2013, Baton Rouge, LA.

Anderson Continuing Education (Louisiana Licensure) Clinical Hematology and Fundamentals of Hemostasis, 12 hrs credit December 29, 2013

Society of Toxicology Continuing Education Course: Toxic Effects of Metals. San Antonio, Texas. 4 hrs credit. March 10, 2013

Society of Toxicology Continuing Education Course: Gonadal Development, Function, and Toxicology, 4 hrs credit. San Antonio, Texas. March 10, 2013.

Society of Toxicology 52<sup>nd</sup> Annual Meeting, San Antonio, Texas, March 10-14, 2013

## **2012**

Anderson Continuing Education (Louisiana Licensure) Clinical Hematology and Fundamentals of Hemostasis, 12 hrs credit December 29, 2012

Environmental Mutagen Society 43<sup>rd</sup> Annual Meeting, Bellevue-Seattle, Washington, September 11-13, 2012

Society of Toxicology Annual Meeting, San Francisco, California, March 11-15, 2012

Society of Toxicology Continuing Education Course: Micro-RNAs in Biology and Toxicology, 4 hrs credit. March 11, 2012

Society of Toxicology Continuing Education Course: Basic Embryology and Developmental Toxicity Testing, 4 hrs credit. March 11, 2012

## **2011**

Anderson Continuing Education (Louisiana Licensure) Clinical Hematology and Fundamentals of Hemostasis, 12 hrs credit December, 2011

Environmental Mutagen Society 42<sup>nd</sup> Annual Meeting, Montreal, Quebec, Environmental Impacts on the Genome and epigenome: Mechanisms and Risks; October 15-19, 2011

Air and Waste Management Association, 104th Annual Conference & Exhibition, Orlando, Florida, June 21-24, 2011.

Deepwater Horizon Oil Spill Conference: Research From the Four University Consortium & LUMCON, LSU, Baton Rouge, LA April 29, 2011

Gulf Oil Spill, SETAC Focused Topic Meeting, Pensacola Beach FL, April 26-28, 2011

Society of Toxicology, Symposium Session: Toxicological Considerations in the Gulf of Mexico Oil Spill, March 7, 2011, Washington DC.

Society of Toxicology Continuing Education Course: Epigenetics in Toxicology: Introduction, Mechanistic Understanding, and Applications in Safety Assessment, March 6, 2011, Washington DC. 4 hours CE

Society of Toxicology Continuing Education Course: The Biology and Toxicology of the Peri-and Post-Natal Development, March 6, 2011, Washington DC. 4 hours CE.

## **2010**

“Manual of Overdoses and Poisonings”, Anderson Continuing Education for Louisiana State Medical Examiners Board Licensure, 12 hours CE, December, 2010.

Health Damages caused by Chinese Drywall; Harris Martin Chinese Drywall Litigation Conferences, October 28, 2010, Miami, Florida.

## **2009**

Society of Toxicology, 48<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 15-19, 2009; **Symposium Session: MicroRNAs in Biology and Toxicology March 16, 2009 (2 hours 45 minutes) (9:15 am-12:00 pm)**

- MicroRNAs in Biology and Toxicology—*Hahn MD and Novak RF*
- MicroRNA Regulation of Signaling Pathways During Development—*Patton JG*
- MicroRNAs In Human Cancers and Carcinogenesis—*Croce CM*
- Aberrant microRNA Expression in Human Breast Oncogenesis—*Dombkowski AA, et al.*
- MicroRNA Expression in hepatic and Non-hepatic Tissues of Dioxin-Exposed rodents—*Okey AB and Harper PA*
- The Role of Nuclear Receptors in miRNA transcription—*Shah YM, et al*
- Panel Discussion

Society of Toxicology, 48<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 15-19, 2009; **Poster Session: March 16, 2009 1:00 to 4:30 pm (3 hours 30 minutes)**

## **Ecotoxicology**

- Translating in vitro extrogenic Assay Results to Ecological Risk Assessment
- In vitro Fish Metabolism predicts elimination of suspect bioaccumulative chemicals
- The effect of 2,4-Dinitrophenol on Zebrafish Swim Performance

- An Integrated Biomarker Approach for Assessing Health Impacts on Killifish Inhabiting the Heavily Contaminated NY/NJ Harbor Estuary
- Oxidative Balance in Oyster (*Crassostrea Spp*) of Estuary Boca de Camichin, Nayarit.

### **Toxicology of Kidney**

- Impaired Renal Function and Glucose Metabolism in Calcineurin A Alpha Knockout Mice
- Effect of Urinary Constituents on the Differential Sensitivity to Ethylene Glycol-Induced Renal Toxicity in Wistar and F344 Rats
- Metabolites of Diethylene Glycol (DEG) are Responsible for the Renal toxicity Associated with Acute DEG Poisoning

### **Chemical and Biological Weapons**

- Acute Toxicity, Toxicokinetics and Histopathology of Inhaled Ricin in BALB/C Mice and Sprague-Dawley Rats
- Acute Toxicity, Toxicokinetics, and Histopathology of Ingested Ricin in BALB/C Mice
- The Effects of Low Dose Sarin At Symptomatic and Asymptomatic Doses on Behavior and Catecholamine Levels in Mice.
- Development of a Pulmonary Injury Model of Inhaled Sulfur Mustard.

Society of Toxicology, 48<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 15-19, 2009; **Symposium Session: Epigenetic Implications for Toxicology March 17, 2009 9:00 to 11:45 am (3 hours 45 minutes)**

- Epigenetics: The New Genetics of Toxicology—*Jirtle R*
- Epigenetic Regulation in Development: Implications in Stem Cell Biology and Toxicities—*Herman J.*
- Is There a Common “E-Epigenome”?—*Ho S.*
- MicroRNA Epigenetic Regulation—*Harris CC*
- Panel Discussion Q&A

Society of Toxicology, 48<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 15-19, 2009; **Poster Session: Risk Assessment Applications (9:00-9:40 am)**

- Potential For Occupational Exposures of Hairdressers to Vinyl Chloride in Hairspray (1967-1974)

Society of Toxicology, 48<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 15-19, 2009; **Symposium Session: Aquatic Species As Sentinels For Human Health: Comparative Toxicology of Metals, Nanoparticles, and PCB's March 17, 2009 1:30 to 4:15 pm (2 hours 45 minutes)**

- Aquatic Species as Sentinels for Human Health: Comparative Toxicology of Metals, Nanoparticles, and PCB's—*Wise J.*
- Whales as Sentinels for Human Health: A Global Assessment of Chromium Pollution—*Wise J.*
- Relative Toxicity of Metal Nanoparticles to Developing Zebrafish—*Tanguay RL*
- Comparative Toxicity of Silver Nanoparticles in Human, Marine, Mammal and Fish Cells.—*Wise SS.*
- Zebrafish Model for Understanding Methylmercury Developmental—*Carvan MJ*
- Immunotoxicity of PCBs, an example of marine mammals as sentinels for human health?—*S. De Guise*

**Total Attendance Time at Symposia, Platform Sessions, etc. = 12 hours 45 minutes**

**Society of Toxicology, 2009 Continuing Education Course;** 48<sup>th</sup> Annual Meeting and Tox Expo; Baltimore, Maryland March 15, 2009

**Title: Immunology for Toxicologists—**Chairpersons: Raymond Pieters, Institute for Risk Assessment Sciences (IRAS), Utrecht University, Utrecht, The Netherlands and Ian Kimber, University of Manchester, Manchester, United Kingdom **4 hours CE credit (8:15 am – 12 pm)**

**Title: Free Radicals for Toxicologists—From the Basics to inflammation and Disease—**Chairpersons: Lin L. Mantell, St. John's University, College of Pharmacy, Queens, NY/The Feinstein Institute for Medical Research, North Shore-Long Island Jewish Health System, Manhassat, NY and Judith T. Zelikoff, New York University School of Medicine, Tuxedo Park, NY **4 hours CE credit (1:15 – 5:00 pm)**  
**Total CEU credit = 8 hours**

"Viral Fitness", Anderson Continuing Education for Louisiana State Medical Examiners Board Licensure, 12 hours CE, December, 2009.

## **2008**

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008; **Symposium Session: Metals, Microglia, and Neuroinflammation 9:30 am to 12:15 pm March 17, 2008 (2 hours 45 minutes)**

- Metals, Microglia, and Neuroinflammation—*Lawrence D.*
- Role of Microglia in Metal Neurotoxicity—*Aschner M.*
- Potential Role of Microglia in Manganese Neurotoxicity—*Filipov NM, et al*
- Lead and Mercury Induced Neuroimmune Changes in the Brain—*Lawrence D, et al.*
- Microglial Activation or Microglial Degeneration?—*Streit WJ.*
- Questions from audience

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008; **Symposium Session: Environmental Influence on Female Puberty and Breast Tumorigenesis March 17, 2008 1:30-4:15 pm (2 hours 45 minutes)**

- Environmental Influence on Female Puberty and Breast Tumorigenesis—*Maull EA, et al.*
- The Effect of Environmental Exposures on Mammary Stem Cells During Puberty—*Barcellow-Hoff M. et al.*
- Prenatal Exposure to Bisphenol A (BPA) Induces Genomic Alterations in the Rat Mammary Bland—*Russo J, et al.*
- Neonatal/Prepubertal Bisphenol A Exposure Alters the Mammary Proteome, Decreases Apoptosis and Increases Susceptibility for Chemically-Induced Mammary Cancer in Rats—*Lamartiniere C.*
- The Environmental Impact of Diet and Obesity on Breast Carcinogenesis—*Clegg D et al.*
- The Breast Cancer and The Environment Research Centers: A Novel Transdisciplinary Approach to Understanding the Causes and Mechanisms of Breast Cancer—*Winn D.*

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008; **Issues Session: Over-the-Counter Cough and Cold Medications in Children: Efficacy, Safety, and Use March 18, 2008 7:30-8:50 am (1 hour 20 minutes)**

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008; **Workshop Session: The Allergic March: The Role of Chemicals in the Increasing**

**Prevalence of Allergy and Asthma March 18, 2008 9:00 am to 11:15 am (2 hours 15 minutes)**

- The Allergic March: The Role of Chemicals in the Increasing Prevalence of Allergy and Asthma—*Kimber I, et al*
- Introduction: The Changing Face of Allergy and Asthma—*Vanoirbeek J*
- The Influence of Particulate Air Pollutants on Allergic Sensitization in Animal Models—*Gilmour M.*
- The Hygiene Hypothesis and Beyond—*Kimber I.*
- Particulates, Allergy, and Asthma—*Lovik M.*

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008;**Workshop Session: To Dye or Not To Dye: Safety of Oxidative Hair Dyes March 18, 2008 11:15-11:30 am (30 minutes)**

- Current Safety Concerns About Oxidative Hair Dyes: European Perspective—*Platzek T.*

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008;**Poster Session: March 18, 2008 1:00 pm to 3:45 pm (2 hours 45 minutes)**

**Nanoparticles: Target Organs**

- Analysis of Dermal Penetration of Titanium Dioxide from sunscreen formulations containing micron- and nano-scale particles of TiO<sub>2</sub>
- Studies on SiO<sub>2</sub> Nanoparticle Characterization and its relationship to toxicity in Keratinocytes
- Intravenous Administration of Gadolinium modified nanoparticles to Sprague-Dawley rats.
- Assessment of the Toxicity of Silver nanoparticles In vitro: A mitochondrial perspective
- Acid-functionalized single-walled carbon nanotubes enhance cardiac ischemic/reperfusion injury
- Cytotoxic Effect of Silica nanoparticles in human immunological cells
- Study of hepatotoxicity biomarkers in Swiss-Webster mice treated with carbon nanotubes
- Enhancement of platelet activation and thrombus formation by silver nanoparticles
- cytotoxicity of micro and nano metallo-oxide: A Comparative Study.

**Assessment of Ecological Toxicology**

- Bioaccumulation of Mercury from Mercury Contaminated Soils by the Earthworm *Lumbricus terrestris*.
- Effects of Cadmium on Growth and Metamorphosis of African Clawed
- Hepatic Gene Expression in Rainbow Trout Exposed to Different Hydrocarbon Mixtures
- Specific AHR and Eralpha in vitro Toxicity of Crude and Refined Petroleum Products
- Effects of Benzo[a]pyrene on mitochondrial DNA damage in the Killifish.
- Effects of Polybrominated Diphenylether Exposure on Steroidogenesis in Juvenile *Xenopus*
- Monitoring of Environmental Polycyclic Aromatic Hydrocarbons (PAH) in Fish, vegetation and soil from the Cucharillas marshland, Catano, Puerto Rico
- Comparing the Toxicity and Bioaccumulation Potential of Bulk and Nano Aluminum oxide using *Eisenia Fetica*.
- Biomarkers of Exposure and Toxicity in Ecological receptors.

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; Seattle, Washington, March 16-20, 2008;**Workshop Session: Dermal Toxicological Assessment of Nanomaterials and Nanodevices. March 18, 2008 3:45 to 4:15 pm (30 minutes)**

- Assessment of the Dermal Penetration and Toxicity of Nanoparticulate metals—*Roberts SM*

**Total Attendance Time at Symposia, Platform Sessions, etc. = 12 hours 50 minutes**

Society of Toxicology, 47<sup>th</sup> Annual Meeting and Tox Expo; **Society of Toxicology, 2008 Continuing Education Courses**, Seattle, Washington, March 16, 2008;

- **Title: Basic Embryology and Developmental Toxicology**-Chairpersons: Lori A. Dostal, Aptuit Consulting Inc. Brighton, MI and John M. Rogers, Reproductive Toxicology Division, Environmental Protection Agency, Research Triangle Park, NC. **4 hours CE credit (8:15 am – 12 pm)**
- **Title: Nanotoxicology: The Science of Developing a Safe Technology—**Chairpersons: Justin G. Teeguarden, Pacific Northwest National Laboratory, Richland WA and Christie M. Wayes, Texas A&M University, College Station, Texas. **4 hours CE credit (1:15 – 5:00 pm)**

**Total CEU credit = 8 hours**

Clinical Immunology and Serology: A Laboratory Perspective, 2<sup>nd</sup>, edition, Section C”, Anderson Continuing Education for Louisiana State Medical Examiners Board Licensure, 12 hours CE, December, 2008.

**2007**

Society of Toxicology, 46<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 25-29, 2007 **Workshop Session: Environmental Risk Factors for Autism (2 hours 45 minutes) (9:30 am-12:15 pm)**

- Environmental Risk Factors for Autism - *E. Silbergeld*
- Trends in the Incidence and Prevalence of Autism Spectrum Disorders: Clues for Generating Hypotheses on Environmental Risk - *C.J. Newschaffer*
- Cell and Molecular Mechanisms of Neurodevelopment: Clues for Identifying Environmental Risk Factors for Autism? - *P. Lein*
- Identifying Environmental Contributors to Autism Risk; Insights from Neurobiology and Immunology – *I. N. Pessah*
- Teratogens and Autism – *P. M. Rodier*
- Autism: What Does Mercury Have To Do With It? *E. Silbergeld*

**Platform Session: Nanoparticles: Aquatic Species to Mammals March 26, 2007 (2 hours 45 minutes) (1:30-4:15 pm)**

- Development of a Base Set of Toxicity Tests As a Component of a Nanoparticle Risk Management Framework – *D.B. Warheit et al*
- Toxic Effects of Nanocopper on Zebrafish, *Danio Rerio* – *J. Griffitt et al*
- Bi-valve Mollusks as Valuable Models for Characterizing Nanoparticle Toxicity – *A. H. Ringwood et al*
- Nanoparticles Stimulate Intracellular and Extracellular Radical Species – *E. Rushton et al*

**Symposium Session: Understanding the Linkages Between Environmental Toxicity and Human Disease: From Observation to Mechanistic Insight and From Insight to Therapeutics**

- Childhood Cancer as Model for Developmental Disorders – *A. F. Olshan et al*
- Hormones, The Environment and Cancer – *C. Walker*

**Symposium Session: Pigs and the Public's Health: An Assessment of Hog Farming In North Carolina March 27, 2007 9:00-11:45 am (2 hours 45 minutes)**

- Pigs and The Public's Health: An Assessment of Hog Farming In North Carolina – *DJ Crawford-Brown et al*
- An overview of Community Health Concerns Relative to Concentrated Animal Feeding Operations – *KJ Donham*
- Public Health Impacts of Industrial Swine Production – *S. Wing*
- Potential Health Effects of Odorous Aerial Emissions From Swine Production Waste: Role of VOCS and Particulates – *S.S.Schiffman*
- Hogs As Sources of Enteric and Occupational Illnesses in Humans – *R Holley*
- Ecological Impacts and Ramifications of Atmospheric Nitrogen Deposition To Estuarine and Coastal Waters: The Concern About Agricultural Ammonia Emissions – *HW Paerl et al*

**Platform Session Risk Assessment 1:30-3:35 pm March 27, 2007 (2 hours 5 minutes)**

- Chemicals and Gender Differences – *G. Johanson, et al.*
- Risk Assessment on Veterinary Drugs Resided in Livestock Products for Risk Management – *S. Jeong et al.*
- Communicating Chemical Safety, Risk Perception and Hazard to Lay Public: The Global Harmonized System of Classification and Labelling of Chemicals in Thailand (GHS) – *S. Lapyai*
- Concentration/Duration/Effect (C x T) Relationships in Assessments of Health Risk From Acute Inhalation Exposures—Comparison of Approaches – *G. M. Woodall, et al.*
- Lead (Pb) Effect Levels and Tolerable Levels of Exposure—*PM Bolger and CD Carrington*
- Lower Sensitivity of Humans Compared to Rats to 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD), 2,3,4,7,8—pentachlorodibenzofuran (PECDF) or 2,3,7,8-tetrachlorodibenzofuran (TCDF)-induced CYP1A Expression.—*Rowlands C, et al*

**Symposium Session: Epigenetic Regulation in Development, Reproduction and Disease: Implications for Toxicology 9:00-11:45 am March 28, 2007 (2 hours 45 minutes)**

- Epigenetic Regulation in reproduction, development and disease: implications for toxicology—*Shuey DL and Watson R.*
- Introduction to Epigenetic Mechanisms—*Watson RE*
- Epigenetics and Carcinogenesis: The Role of Altered DNA Methylation—*Goodman JJ*
- Epigenetic Regulation of Ovarian Function—*LaVoie HA*
- Epigenetic Programming by Maternal Behavior—*Szyf M.*
- Valproate: Novel Analogues, Applications and Mechanisms—*Nau H.*
- Paternal Exposure to Cyclophosphamide (CPA) disturbs Epigenetic Programming During Early Embryo Development.—*Hales BF.*

**Symposium Session: Cardiovascular Effects of Inhaled Ultrafine and Fine Particles in Human Volunteers. 1:30-4:15 pm March 28, 2007 (2 hours 45 minutes)**

- Cardiovascular effects of inhaled ultrafine (Nano) Particles in Human Volunteers
- Human Clinical Studies of Elemental Carbon Ultrafine Particle Inhalation: Effects on Vascular Function—*Frampton MW*
- Biological Responses of Healthy Human Volunteers Following Exposure to Concentrated Ambient Coarse, Fine, and Ultrafine Particles—*Devlin R., et al*
- The Effects of Combustion Derived Nanoparticulate on Vascular and Endogenous Fibrinolytic Function in Man—*NL Mills, et al*

- Do Clinical Findings With Particle Exposures (Including Ambient PM Fractions, Carbon, and Diesel Exhaust) Explain Epidemiological Results?—*Gong H and Cassee FR*.

**Total Attendance Time at Symposia, Platform Sessions, etc. = 15 hours 50 minutes**

**Society of Toxicology, 2007 Continuing Education Course;** 46<sup>th</sup> Annual Meeting and Tox Expo; Charlotte, North Carolina, March 25, 2007; **Title: Fundamentals of Human Health Risk Assessment with a Case Study Approach**-Chairpersons: Teresa Leavens, CIIT Centers for Health Research, Research Triangle Park, North Carolina, and Jennifer Orme-Zavaleta, NHEERL/US EPA, Research Triangle Park, North Carolina. **4 hours CE credit**

“Clinical Immunology and Serology: A Laboratory Perspective, 2<sup>nd</sup> edition, Section B”, Anderson Continuing Education for Louisiana State Medical Examiners Board Licensure, 12 hours CE, December, 2007.

### **Previous Years 2006 and Prior:**

University of Kansas Medical Center, Department of Pharmacology, Toxicology, and Therapeutics, Mid-America Toxicology Course, 2006

Biochemistry: Metabolism of Proteins and Amino Acids; Structure, Function, and Replication of Informational Macromolecules; Biochemistry of Extracellular and Intracellular Communication; 12 hours CEU; Anderson Continuing Education, December, 2005

“The Mold Challenge in Louisiana.” New Orleans, Louisiana, March 15, 2005.

University of Michigan, Summer Graduate School in Epidemiology, “Analysis of Epidemiologic Data: An Applied Approach” 2004 Continuing Education. Total Number of Non-Credits, 1. Total Number of CEU Hours, 17.5.

Biochemistry: Structures & Functions of Proteins and Enzymes; Bioenergetics and The Metabolism of Carbohydrates & Lipids; 12 hours CEU; Anderson Continuing Education, December, 2004

University of Michigan, Summer Graduate School in Epidemiology, “Occupational & Environmental Exposure Assessment” and “Basic Computer Applications in Epidemiology”, 2002 Continuing Education. Total Number of Non-Credits, 1. Total Number of CEU Hours, 35.0.

Tufts University School of Medicine, Epidemiology Research Institute, Graduate Credit in Epidemiology, “Biology & Epidemiology of Cancer” and “Occupational & Environmental Epidemiology”, 2001. Total Number of CEU Hours, 30.0. Graduate Credit, 2.0 hours.

ASCP Workshops for Laboratory Professionals, Birmingham, Alabama, October 2-4, 2000.

Keystone Symposia, Taos, New Mexico, February 10-15, 2000.

Tulane Law School Conference, New Orleans, Louisiana, February 26-27, 1999.

Louisiana Prevention Institute Task Force Committee, Alexandria, Louisiana, December 1, 1998.

APHA Annual Meeting, Washington, DC, November 15-19, 1998.

ASCP Workshop for Laboratory Professionals, Charlotte, North Carolina, October 27-30, 1998.

APHA Annual Meeting, Indianapolis, IN, November 10-13, 1997.

ASCP Workshop for Technologists, November 4 - 7, 1997 Gaithersburg Maryland.

Louisiana State University Medical Center, Shreveport, Louisiana, Grand Rounds, "Genesis of Neuroblastoma in Association with a Hazardous Waste Site." September 16, 1997.

Tufts University School of Medicine, Epidemiology Research Institute, Graduate Credit in Epidemiology. "Introduction to Epidemiology", 1996. Total Number of CEU Hours, 35.0. Graduate Credit, 2.0 hours.

Phlebotomy Association of Louisiana, Inc. Conference, Phlebotomy, A Step Beyond, October 5, 1996, "The Legal and Technical Aspects of Phlebotomy."

National Academy of Sciences Institute of Medicine, "Environmental Justice Workshop." Center for Bioenvironmental Research, Tulane/Xavier Universities, June 4, 1996.

Louisiana State University Medical Center, Shreveport, Louisiana, Grand Rounds, "Recognizing Warning Signs of Environmental & Occupational Diseases/The Community Physician's Challenge." Shreveport, Louisiana, September 1996.

SOEH 1995 Annual Conference, "Advances in Medical Surveillance for Environmental and Occupational Health from Exposure Onset through Health Outcome." Bethesda, Maryland, December 12, 1995.

"1995 Health, The Environment and the Economy Conference, Hazard + Outrage = Risk." November 9, 1995, Baton Rouge, Louisiana.

ASCP/CAP Fall Meeting and Exhibits, New Orleans, Louisiana, September 19, 1995.

LA Governor's Conference on Juvenile Justice, "Physical Effects of Drug and Alcohol." New Orleans, Louisiana, August 31, 1995.

"American Society Cancer Task Force Meeting." New Orleans, Louisiana, August 30, 1995.

DEQ Environmental Education Seminar, workshop--"Benzene: Understanding the Health Effects and OSHA Regulations for Medical Surveillance." August 29, 1995.

Health Effects Research Laboratories (HERL), Research Triangle Park, North Carolina, November 1994.

American Public Health Association, Washington, D.C., October 1994.

Louisiana State University Medical Center, Shreveport, Louisiana, "Management of Early Prostate Cancer." June 1994.

Advances and Controversies in Bone Marrow Transplantation, Fifth Biennial Keystone Symposium on Bone marrow Transplantation, Keystone Colorado, January 1994.

Health Hazardous Material Training (HASMET) Workshop. Lake Charles, Louisiana, August 1992. (8 hours)

Health Hazardous Material Training (HASMET) Workshop. Geismar, Louisiana, July 1992 (16 hours)

American Society for Medical Technology Legislative Workshop. Washington D.C., March 1992 (16 hours)

Louisiana State Society of Medical Technology Annual Meeting, Lafayette, Louisiana, April 1991.

Louisiana State Society of Medical Technology Annual Meeting, Jackson, Mississippi, April 1990

UCLA Symposia on Hematopoiesis, Tamarron, Colorado, February 1989.

Louisiana State Society of Medical Technology Annual Meeting. Baton Rouge, Louisiana, April 1989.

The American Society for Medical Technology 1989, 57th Annual Meeting and Exposition, Washington, D.C., June 1989.

Technical Assistance Meeting for Health Careers Opportunity Program (HCOP), San Francisco, California, September 1989.

The National Institute on "Drug Abuse Conference, Bethesda, Maryland, September 1989.

National Institute on Drug Abuse Consensus Conference on Mandatory Guidelines for Drug Testing in the Workplace, Fallschurch, Virginia, November 1989.

Louisiana State Society for Medical Technology Annual Meeting, Jackson, Mississippi, April 1988.

Health Careers Opportunity Program Grant Workshop for Submitters, Birmingham, Alabama, September 1988.

The ASAHP's WGR Health Professions Education Policy Seminar, Washington, D.C. May, 1988.

The Health Resources and Services Administration, Bureau of Health Professions, Division of Disadvantaged Assistance, Health Careers Opportunity Program (HCOP) Technical Assistance Meeting. Chicago, Illinois, September 1988.

International Society for Experimental Hematology Meeting, Houston, Texas, December, 1988.

UCLA Conference on: "Recent Advances in Leukemia and Lymphoma." Keystone, Colorado, January 1987.

Louisiana State Society for Medical Technology Annual Meeting. Alexandria, Louisiana, March 1987.

UCLA Symposia Conference: Hematopoiesis, Park City, Utah. March 1986.

American Society for Medical Technology Conference on: Charting the Future of Clinical Laboratory Science Education, Birmingham, Alabama. February 1986.

Louisiana State Society for Medical Technology Annual Meeting, Shreveport, Louisiana, March 1986.

Drug Abuse Awareness Seminar, Lafayette, Louisiana. September 1986.

American Association for Clinical Chemistry and Canadian Society of Clinical Chemists Joint Meeting, Chicago, Illinois, July 1986.

"Drug Abuse in the Workplace and Emergency Preparedness." Gonzales, Louisiana, November 1986.

"Rapid Drug Detection with Toxi-Lab." Laguna Hills, California, December 1986.

UCLA Conference: Leukemia 1985, Keystone, Colorado. January 1985.

International Conference on Megakaryocyte Development and Functions, Woods Hole Massachusetts, September 1985.

Louisiana State Society for Medical Technology Convention, Biloxi, Mississippi, April 1985.

American Society of Medical Technologists, "The Future of the Clinical Laboratory-A Crisis in Education." Minneapolis, Minnesota, May 1985.

International Conference on Megakaryocyte Development and Function, Hyannis, Massachusetts, September 1985.

LSU Medical Center, School of Allied Health Professions Department of Medical Technology: "Test Construction, Item Analysis, and Student Motivation," Jan Jeter, Ph.D., May 1985. 4.0 hours.

LSU Medical Center, School of Allied Health Professions, "Prospective Payment Systems; Implications For Managers of Clinical Laboratories", Ogden Hall, Ph.D., July 1985. 3.0 hours.

LSU Medical Center, School of Allied Health Professions, Department of Medical Technology: "AIDS and AIDS-Related Kaposils Sarcoma." Adan Rios, MD. June 1985, 1.5 hours.

LSU Medical Center, School of Allied Health Professions, Department of Medical Technology: "Hemopoietic and Immunopoietic Systems: Functions and Disorders." Karel A. Dicke, MD, September 1985. 1.0 hour.

ICN-UCLA Conference: Recent Advances In Bone Marrow Transplantation. Park City, Utah, February 1984.

American Society of Clinical Pathologists-College of American Pathologists, Fall Meeting. New Orleans, Louisiana. October 1984.

American Society for Hematology Meeting. San Francisco, California, December 1984.

College of American Pathologists/American Society of Clinical Pathologists Workshop: DRG  
Fallout: Implications for the Pathologists and Health Care Systems. New Orleans, October 1984.

College of American Pathologists/American Society of Clinical Pathologist Workshop: DRG  
Fallout: Implications for the Pathologists and Health Care Systems, October 1984. 6.5 hours.

ICN-UCLA Conference: Normal and Neoplastic Hematopoiesis. Keystone, Colorado, March  
1983.

ICN-UCIA Conference: Differentiation and Function of Hematopoietic Cell Surfaces. Keystone,  
Colorado, February 1981.

Hybridoma and Cellular Immortality Conference. University of Texas, M.D. Anderson Hospital  
and Tumor Institute; November 1981.

Immunocytochemical Workshop Research Laboratories, Burroughs Wellcome Co., Duke  
University, North Carolina, October 1979.

## **PROFESSIONAL SOCIETIES:**

**Air and Waste Management Association, Member**

**Society of Toxicology, Member**

**Society of Environmental Toxicology and Chemistry, Member**

Environmental Mutagenesis and Genomics Society, past Member (EMS)

**American Association of Clinical Chemistry. (AACC) Member.**

**American Society of Clinical Pathologists. (ASCP) Member.**

American Society for Occupational and Environmental Health (SOEH) Past Member

American Public Health Association. (APHA) Past Member.

American Chemical Society. Past Member.

American Association for the Advancement of Science. (AAAS) Past Member.

American Society for Medical Technologists, Past Member

American College of Chest Physicians. Past Member.

American Thoracic Society. Past Member.

Lupus Foundation of Northern California, Past Member.

The Chest Foundation. Past Member.

The Society for Male Reproduction & Urology. Past Member.

American Society for Reproductive Medicine. Past Member.

Clinical Laboratory Personnel Association, 1991-1994.

American Society for Microbiology, 1975-77.

American Society for Medical Technology, 1975-80, 1988-1993.

Louisiana State Society for Medical Technology, LSSMT, 1975-80, 1988-1993.

Louisiana State Society for Medical Technology, Student Forum Founder and Advisor, 1977-79.

Louisiana Society for Electron Microscopy, 1974-83.

Greater New Orleans Chapter of the Society for Neuroscience, 1981-83.

American Society for Cell Biology, 1983-1985.

International Society of Experimental Hematology, 1983-1988.

American Society of Hematology, 1985-88.

International Society for Experimental Hematology, 1985-88.

### **Other Scholarly or Professional Activities:**

Louisiana State Society for Medical Technology, Governmental Liaison for Licensure, 1990-1993. Organize legislative testimony and legislative liaison for licensure bill for clinical laboratory personnel; lobby for and organize grass roots lobbying for statewide membership for licensure bill.

Clinical Laboratory Personnel Association, Founder and Member 1991-present, Chairman of Licensure Committee, 1991-1993. Founder of the Clinical Laboratory Personnel Association, a new statewide organization for the purpose of education and unifying clinical laboratory personnel on the licensure effort in the legislature. This new organization will monitor the Civil Service Commission and the Louisiana Health Care Authority rulings that pertain to medical technology.

Implementation of Minority/Disadvantaged Incentives in the Department of Medical Technology: In order to provide minority representatives in the Profession of Medical Technology, it was necessary to implement teaching and testing methods that would enhance successful completion of the baccalaureate degree by minority/disadvantaged students. The standards of the Department are of unquestionable excellence. The minority/disadvantaged incentives have allowed for minimal attrition and maximal success in pursuit of academic excellence. For the second year in a row, we are seeing the results of these incentives. Graduates of our program have had 100% passage on our National Registry Exam for the second year in a row. Our class average ranks in the 12th (1990) and 16th (1991) percentile of the nation. These results include as many as 30% minority/disadvantaged students. Many of these students applied to our program with GPA's less than 2.5 and were accepted as a part of our program for high-risk minority/disadvantaged students. At this time I am preparing these methods and results of our minority/disadvantaged incentives for publication.

Lambda Tau National Honorary Medical Technology Society, Founder of University of New Orleans Chapter, 1977, Faculty Moderator, 1977-82.

### **AWARDS SHOWING RECOGNITION OF SCHOLARLY OR PROFESSIONAL ACHIEVEMENT:**

Arceneaux Memorial Award in Recognition of Outstanding Student Research in Electron Microscopy, May 1981.

Louisiana State Society for Medical Technology Award for Outstanding Service, April 1991.

Louisiana State Society for Medical Technology Award for "Medical Technologist of the Year." April 1992.

Louisiana State Society for Medical Technology Award for Outstanding Service, April 1993.  
American Society for Medical Technology Award for Outstanding Service, June 1993.

### **GRANTS AND CONTRACTS:**

American Heart Association Graduate Educational Research Grant. July 1980-July 1981. Development of an Assay for Thrombopoietin.

American Heart Association Graduate Educational Research Grant. July 1981-December 1982. Characterization of Megakaryocytopoiesis.

American Cancer Society, September 1982-September 1983 Title: Immunocytochemical Characterization of Skin Biopsies in the Diagnosis of Human Acute Graft-Versus-Host Disease in Leukemia \$5000.00

American Heart Association, July 1984-July 1985 Title: Isolation and Characterization of 4N and 8N Megakaryocytes \$14,000

Health Careers Opportunity Program (H-COP), September 1988-August, 1991. Title: Allied Health Careers Enrichment and Retention Program for Minority/Disadvantaged Children, \$452,000

Education and Clinical Management Program for Emergency Room Asthmatics, River Parishes Hospital, St. John the Baptist Parish, September 2000 – present. Summer Camp for Asthmatic Children in St. John the Baptist Parish, July 1999 – 2000. Asthma Registry for citizens of St. John the Baptist Parish, January 2002 – July 2002. \$163,000 Funding Source: Louisiana Environmental Action Network.

### **COMMUNITY HEALTH ASSESSMENT PROJECTS:**

Retrospective Study of Health Effects of the Grand Bois Community, 1997- 1998, National Institute of Mental Health NIH-97-6, Certificate of Confidentiality, Institutional Review Board for Human Research Number: 97-444.

Medical Surveillance of the Children and Pregnant Women of the Grand Bois Community, 1998-1999, Institutional Review Board for Human Research Number: 97-607, Funding Source: Department of Health and Hospitals, \$50,000.

Medical Surveillance of the Adult Residents of the Grand Bois Community, 1998-1999, Institutional Review Board for Human Research Number: 97-607, Alteration Protocol, Funding Source: Louisiana State Legislature, \$100,000.

Medical Surveillance of the residents of the Town of Gibsland in accordance with the Lupus Study Project. March 18, 2000.

### **MAJOR AREAS OF RESEARCH INTEREST:**

Heavy Metal Toxicity; Heavy metal concentrations in Shrimp and Crayfish. Reproductive Toxicology, Birth Defects and Childhood Cancers due to creosote exposure, Epidemiology of clinical symptoms due to toxic chemical exposure, Megakaryocytopoiesis, Thrombopoiesis, Bone marrow suppression due to toxic exposure, Erythropoiesis, Graft versus Host Disease, Immunocytochemical and Electron microscopic techniques; Fetal Alcohol Syndrome/Fetal Alcohol Effects; surveying for Toxic Exposure in the Workplace, medical surveillance for prevention of chronic diseases for toxic exposure, latency period for chronic myelogenous leukemia due to benzene exposure,. Clinical and Educational Management of Asthma.

**January 31, 2025**