



Center for Environmental/Occupational Risk Analysis and Management

COLLEGE OF PUBLIC HEALTH
UNIVERSITY OF SOUTH FLORIDA

Dr. Raymond D. Harbison

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CURRICULUM VITAE

Raymond D. Harbison, M.S., Ph.D.
College of Public Health
13201 Bruce B. Downs Blvd.
Tampa, Florida 33612-3805

EDUCATION

Drake University, Des Moines, Iowa - B.S.

University of Iowa, Iowa City, Iowa - M.S. (Pharmacology) -
Thesis: Induced hyperbilirubinemia and a quantitative method of analysis of diazotized bilirubin.

University of Iowa, College of Medicine, Iowa City, Iowa - Ph.D.
(Pharmacology/Toxicology) - Dissertation: Studies on the mechanism of teratogenic action and neonatal pharmacology of diphenylhydantoin.

SUMMARY OF EXPERIENCE

2025- PRESENT

College of Public Health
Department of Global, Environmental, and Genomic Health Sciences

2013- 2018

Editorial Board, Occupational Disease and Environmental Medicine

2012- 2014

Human Health Peer Review Committee
Florida Department of Environmental Protection

2011- Present

Professor of Pharmaceutical Sciences
College of Pharmacy
University of South Florida, Tampa

2011-Present

Editorial Board, International Journal of Critical Illness and Injury Science

2009-Present

Editorial Board, Journal of Emergencies, Trauma, and Shock

2007-2015

Editorial Board, The Open Toxicology Journal

2004-2014

Department of Health
State of Florida
Environmental Public Health Tracking Advisory Committee

2004-2025
College of Medicine
University of South Florida
Occupational Medicine Residency Program
Toxicology Rotation

2003-2024
Associate Member
H. Lee Moffitt Cancer Center & Research Institute
Tampa, FL

2003-2005
Chairman, Public Health Oversight Committee
Saudi Arabia

2002-2009
RESEARCH PROFESSOR, Center for Environmental Diagnostics and Bioremediation
The University of West Florida
Pensacola, FL

2001-2005
Training Director, NIOSH ,Hazardous Substances Continuing Education Training
NIOSH - Education and Research Center, University of South Florida

2000-2010
Brownfield Advisory Board- Hillsborough County, Florida

2000- 2014
Editorial Board- Research Communications in Pharmacology and Toxicology

1999-2005
Vice Chair, Technical Advisory Committee, Brownfield Advisory Board, City of
Clearwater, Florida

1998-2023
Toxicologist, Research Service, Haley Veterans Administration Hospital, Tampa, Florida

1998-Present
Professor, Department of Pathology, College of Medicine, University of South Florida

1995- 2026
Adjunct Professor, Department of Medicine, College of Medicine, State University of
New York at Buffalo

1995-2021
Professor, Department of Pharmacology and Therapeutics, College of Medicine,
University of South Florida

1995-2024

Professor, Environmental and Occupational Health, College of Public Health, University of South Florida

1995-Present

Director, Environmental/Occupational Risk Analysis & Management Research, College of Public Health, University of South Florida

1996-2005

Director, Certification of Hazardous Materials Handlers Review Course and Examination

1994-2024

National Institute of Health, Reviewers Reserve

1994-1995

Advisory Board of Center for Training, Research, and Education for Environmental Occupations (TREEO), University of Florida

1993-1997

American Cancer Society Study Review Group (Florida)

1993-1997

Academy of Toxicological Sciences, Board of Directors

1992-1997

Advisory Board of Earth 2020, the University of Virginia's Center for Environmental Policy

1991-1995

Faculty, Superfund University Training Institutes, East Tennessee State University and University of Virginia

1991-1995

Science Advisory Board Consultant, Environmental Health Committee, United States Environmental Protection Agency

1990-1995

Professor, Department of Pathology, College of Medicine, University of Florida

1989-1995

Director, Laboratory for Environmental and Human Toxicology, University of Florida

1989-1997

Speciality Staff, St. Vincent Infirmary Medical Center, Little Rock, Arkansas

1989-1996

Board of Advisors, The Environmental Institute

1989 - 1994

National Institute of Drug Abuse, Pharmacology II Study Review Group

1988-1995

Professor, Department of Pharmacology and Therapeutics, College of Medicine, University of Florida

1988-1995

Professor, Department of Physiological Sciences, Health Science Center, University of Florida

1987-1997

Clinical Professor, Department of Preventive Medicine, Medical College of Wisconsin, Milwaukee, Wisconsin

1986-1990

National Institute of Environmental Health Sciences Study Review Group

1984-1985

Chairman, National Institute of Occupational Safety and Health Study Review Group

1982-1986

Editorial Board, Fundamental and Applied Toxicology

1980-1990

Society of Toxicology Liaison with Teratology Society

1980-1988

Professor, Department of Pharmacology, University of Arkansas for Medical Sciences

1980-1984

National Institute of Occupational Safety and Health Study Review Committee

1979-Present

Editorial Board, Teratogenicity, Mutagenicity, Carcinogenicity

1977-1980

Director, Toxic Substance Control Laboratory and Associate Professor, Department of Pharmacology and Biochemistry, School of Medicine, Vanderbilt University, Nashville, Tennessee

1977-1980

Professional Affairs Committee - American Society for Pharmacology and Experimental Therapeutics

1977-1980

National Institute on Drug Abuse - Review of DAWN (Drug Abuse Warning Network)

1977-1979

Graduate Education Committee, Vanderbilt University

1977-1978

National Research Council Committee to Review Scientific Program of National Center for Toxicological Research

1976-1980

Editorial Board, Environmental Health Sciences

1976-1977

National Academy of Science, Advisory Center for Toxicology - Revision of Toxicity Testing Procedures for Consumer Protection Agency

1975-1976

Technical Committee of the Society of Toxicology, Chairman

1975-1976

National Institute on Drug Abuse Center Review Committee

1974-1980

Editorial Board, International Journal of Addictive Diseases

1974-1979

Vanderbilt Medical Center, Animal Care Committee

1974-1978

Consultant, U.S. Congressional Committee on Safety Assessment of Chemical Additives & Drugs

1974-1975

Standing Policy Committee on Biomedical Sciences, Vanderbilt School of Medicine; National Institute on Drug Abuse, Clinical Behavioral Review Committee

1974-1975

Co-Chairman, Technical Committee of the Society of Toxicology

1972-1980

Assistant Professor of Pharmacology and Biochemistry, Vanderbilt University School of Medicine

1971-1975

National Institutes of Mental Health-Narcotic Addiction and Drug Abuse Review Committee, Biomedical-Pharmacology-Toxicology

1971-1972

Assistant Professor, Department of Pharmacology, Tulane Medical School

1971-1972

Director of Teratology Section, Laboratory of Environmental Health, Department of Medicine, School of Medicine, Tulane University

1969-1970

Instructor of Pharmacology, Tulane Medical School

1965-1969

USPHS Trainee, University of Iowa, Department of Pharmacology, College of Medicine,
Iowa City, Iowa

PROFESSIONAL SOCIETIES

Rho Chi Honorary Pharmacy Society

Sigma Xi (Promotion of Research in Science)

American Association for the Advancement of Science

Teratology Society

Society of Toxicology

American Society for Pharmacology and Experimental Therapeutics

New York Academy of Science

Society for Risk Analysis

American Industrial Hygiene Association

AWARDS

1978

Society of Toxicology Achievement Award

CERTIFICATION

1982

1987

1992

1997

2002

2006

2013

2019

2024

Certified in General Toxicology

Registration

Registered Professional Industrial Hygienist

1999

INDUSTRIAL EXPERIENCE

- Occidental Oil - Worker safety in oil shale production
- Shell Development Corporation - Pesticide use and safety
- Petrolite Corporation - Health assessment of waste incineration methods
- Monsanto Corporation - Chemical mutagenesis and the workplace, environmental assessment of PCB pollution
- American Academy of Industrial Medicine - Women in the workplace

- Tennessee Occupational Safety Health Administration - Industrial toxicology training course
- Society Organic Chemical Manufacturing Association - Chemical carcinogenesis
- Sanitary Corporation of America - Worker safety at industrial residue landfill sites
- Ethyl Corporation - Chemical-induced mutagenesis and teratogenesis in the workplace
- State of Kentucky Bureau of Natural Resources - Toxicology training course for solid waste management personnel
- U.S. Environmental Protection Agency - Chemistry and toxicology of hazardous materials training course for spill management personnel
- Ecology and Environment, Inc. - Health and safety program advisor
- Texaco - Toxicology consultant
- Hooker Chemical Company - Evaluation of health effects at Love Canal
- Chemical Manufacturers Association - Technical review of health effects of PCBs
- American Petroleum Institute - Comments to EPA concerning Resource Conservation Recovery Act
- IBM Corporation - Reproductive hazard assessment
- U.S. Environmental Protection Agency - Rebuttable presumption review of pesticides (FIFRA)
- United States Department of Agriculture - Review of aerial pesticide applications
- State of Georgia Department of Environmental Protection - Toxicology training course for emergency environmental incident management
- State of North Carolina Environmental Resource Management Division - Toxicology training course for environmental management and public health personnel
- Exxon - Review of teratogenic hazard of benzene exposure
- U.S. Department of Justice - Evaluation of environmental and public health problems associated with Price Landfill, Atlantic City, New Jersey
- U.S. Department of Justice - Evaluation of environmental and public health problems associated with Bridgeport Oil and Rental contamination of the Delaware River, Bridgeport, New Jersey
- U.S. Environmental Protection Agency - Evaluation of the environmental impact of dredging of the Hudson River for PCBs, New York

- U.S. Environmental Protection Agency - Evaluation of environmental and public health problems associated with LiPari Landfill in New Jersey
- Velsicol Chemical Corporation - Evaluation of health problems associated with Hardeman County Landfill
- U.S. Environmental Protection Agency - Review of environmental and public health information associated with Denny Farm Site, Verona, Missouri
- U.S. Environmental Protection Agency - Review of environmental and public health information associated with Rose Park Landfill, Salt Lake City, Utah
- U.S. Environmental Protection Agency - Evaluation of environmental and public health problems associated with Taylor Road Landfill, Tampa, Florida
- Dow Chemical Company - Evaluation of health problems associated with a degreasing operation in Tyler, Texas
- United States Environmental Protection Agency - Training course director for Toxicology and Risk Assessment for eight southeastern states. (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee)
- Monsanto Chemical Company - Evaluation of adverse health effects associated with PCB contamination of feed grain in Michigan
- American Bar Association - Short course concerning the role of expert testimony in environmental litigations.
- Gates Energy - Evaluation of the toxicity of metal hydrides
- Diversitech/Gen Corp. - Evaluation of mortality among PCB exposed tire and plastic fabricators
- BIC - Evaluation of reproductive workplace hazards
- Breed Industries - Assessment of health risks associated with airbags

GRANT SUPPORT

| | | |
|--|---------|-----------|
| Effect of Environmental Toxicants on Perinatal Development | ES00782 | 1970-1982 |
| Effect of Marijuana on Perinatal Development | DA00141 | 1971-1974 |
| Schleider Foundation Developmental Toxicology | | 1970-1972 |
| Clinical Pharmacology - Toxicology Center | GM15431 | 1975-1981 |
| Environmental Toxicology Center | ES00267 | 1972-1981 |

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| Synthesis and Study of New Chelating Agents | ES01018 | 1975-1981 |
| Life Insurance Research Fund | | 1970-1981 |
| National Conference on Control of Hazardous Materials Spills | EPA | 1977-1978 |
| Wampole Laboratories - Development of a Prenatal Diagnostic Aid for Neurotube Defects | | 1979-1981 |
| Introduction to Hazardous Materials Incidence Responses and Environmental Hazards Evaluation | EPA | 1980-1981 |
| Environmental Toxicant Effects on Perinatal Development | ES02824 | 1981-1986 |
| Study of the Reproductive Toxicity of Selected Chemicals | NF | 1985-1987 |
| Studies of Chemical-Induced Toxicity and Stress | ES05216 | 1988-1994 |
| Studies of Isomer Specific PCB-Induced Toxicity | *Cooperative Agreement | 1989-1991 |
| Mechanism of Cocaine-Induced Liver Toxicity | NIDA | 1990-1991 |
| Methamphetamine-Induced Toxicity | NIDA | 1991-1994 |
| Toxicology Support | **DER/DEP | 1991-1995 |
| Radon Risk Assessment | HUD | 1994-1996 |
| Pediatric Formula Evaluation | Mead-Johnson | 1994-1996 |
| Halocarbon Toxicity | COPH | 1995-1996 |
| Assessment of Risk Associated with Vitrified Materials | DOE | 1996-1997 |
| Evaluation of Airbag Safety | Breed Industries | 1997-1998 |
| Adrenergic Modulation of | | |

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| Stress-Induced changes in Pesticide Toxicity | NIOSH-Center for Agricultural Research And Education | 1999-2000 |
| Pesticide-Induced Toxicity | NIOSH | 1999-2000 |
| PAH-induced Cellular Changes | NIOSH | 2000-2001 |
| Environmental Health Monitoring | General Hlth Systems | 2000-2003 |
| Florida Biomonitoring | CDC | 2001-2003 |
| Arsenic Physician's Workgroup | FL DOH | 2001-2002 |
| Adrenergic Alterations of Toxins-Toxicants | DOD | 20001-2003 |
| Clinical Toxicology Evaluation of Health Among Residents of Escambia County, FL | CDC | 2002-2004 |
| Assessment of Public Health Risks of Blue/Green Algae Cyanobacter | FL DOH | 2002-2003 |
| Evaluation of Toxins on DNA | DOD | 2003-2004 |
| Brain's DNA Repair Response to Neurotoxicants | DOD | 2004-2006 |
| Florida Bioterrorism & Disaster Preparedness Consortium | HRSA | 2005-2008 |
| USF & University of Florida Colleges of Pharmacy & Veterinary Medicine | | |
| Community Medical Trust Fund | | 2006-2009 |
| Pesticide Biomonitoring | NIOSH | 2009-2012 |
| Evaluation of mechanisms of toxin-induced toxicity | DOD | 2009-2010 |
| Evaluation of Environmental and Occupational Risks | USF COPH | 2011-2014 |
| Assessment of Respiratory Protection Among Firefighters | NIOSH | 2014-2015 |
| A Pilot Study of Malathion, Atrazine, Carbaryl and Chlorpyrifos in the Breast Milk of Women in Suburban and Agricultural Communities of Central Florida | NIOSH | 2015-2016 |
| Risk factors associated with non-compliance with the respiratory protection program among fire fighters. | NIOSH | 2016-2017 |
| PFOA and Asbestos exposure assessments | NIOSH | 2018-2019 |
| PARP inhibitors for reduction of chemotherapy organ damage | USF | 2019-2021 |
| <u>Beryllium Exposure Assessment of Abrasive Blasters</u> | USF | 2022-2025 |
| *Department of Environmental and Community Medicine UMDNJ - Robert Wood Johnson Medical School Piscataway, New Jersey | | |
| ** Dept of Environmental Protection, State of Florida | | |
| ES - National Institute of Environmental Health Sciences | COPH-College of Public Hlth | |
| DA - National Institute on Drug Abuse | DOE- Dept of Energy | |
| GM - National Institute of General Medical Sciences | DOD- Dept of Defense | |
| EPA - United States Environmental Protection Agency | DOH- Dept of Health | |
| NF - National Foundation March of Dimes | | |
| NIDA - National Institute on Drug Abuse | HUD - Housing and Urban Development | |
| NIOSH-National Institute of Occupational Safety & Health | CDC-Ctr Disease Control | |
| HRSA- Health Research Services Administration | | |

TEACHING EXPERIENCE

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|---|---|
| Medical Toxicology | Vanderbilt Medical Center Second Year Medical Pharmacology |
| Developmental Pharmacology | Vanderbilt Medical Center |
| Drug Metabolism | Two Hour Graduate Level Course Vanderbilt Medical Center |
| Toxicology | Two Hour Graduate Level Course Vanderbilt Medical Center |
| Medical Toxicology | Second Year Medical Pharmacology University of Arkansas for Medical Sciences |
| Advanced Toxicology | Two Hour Graduate Level Course University of Arkansas for Medical Sciences |
| Oncology | Two Hour Graduate Level Course University of Arkansas for Medical Sciences |
| Chemical Carcinogenesis | Second Year Medical Pathology University of Florida, College of Medicine |
| Medical Toxicology | Second Year Medical Pharmacology University of Florida, College of Medicine University of South Florida, College of Medicine |
| Mechanism of Chemical-Induced Toxicity | Two Hour Graduate Level Course University of Florida, College of Medicine |
| Introductory Toxicology | Three Hour Graduate Level Course University of Florida, College of Medicine |
| Health Implications / Aspects of Chemical Issues | Superfund University Training Institute East Tennessee State University, University of Virginia, Environmental Protection Agency |
| Risk Assessment <ul style="list-style-type: none">• Industrial• Occupational• Environmental | Three Hour Graduate Level Course University of South Florida, College of Public Health |
| Occupational and Environmental Medicine | Two Hour Graduate Level Course University of South Florida, College of Public Health |
| Biomonitoring | Two Hour Graduate Level Course University of South Florida, College of |

Public Health

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| Protecting Public Health: Bioterrorism & Biodefense | Three Hour Graduate Level Course University of South Florida, College of Public Health |
| Occupational Risk Assessment | Three Hour Graduate Level Course University of South Florida, College Of Public Health |
| Environmental Risk Assessment | Three Hour Graduate Level Course University of South Florida, College Of Public Health |
| Hazardous Materials and Hazard Communication | Three Hour Graduate Level Course University of South Florida, College Of Public Health |

CONTINUING EDUCATION:

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| National Hazardous Materials Training Course | Eight Hours (Toxicology) |
| Hazardous Waste Management | Four Hours (Toxicology) |
| Toxic Substance Control | Eight Hours (Toxicology) |
| Environmental Protection Agency, Region IV, Health and Safety Training School | Six Hours (Toxicology) |
| Industrial Toxicology | Five Hours (Carcinogenesis, Teratogenesis) |
| Forensic Medicine | Three Hours (Toxicology) |
| Toxicology and Risk Assessment | Eight Hours |
| Certification for Hazardous Materials Managers | Twenty Four Hours (NIOSH - ERC) |
| Neurology and Solvent Encephalopathy | Eight Hours (NIOSH - ERC) |
| Toxicology and Risk Assessment | Eleven Hours (NIOSH - ERC) |

GRADUATE TRAINING - PREDOCTORAL

| | <u>Year Degree Conferred</u> | <u>Present Address</u> |
|--------------------------------|------------------------------|---|
| Bernardo Mantilla-Plata, Ph.D. | 1972 | University of Antioquia Department of Toxicology |

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|-------------------------------|------|---|
| | | Medellin, Columbia |
| Michael Stevens, Ph.D. | 1973 | Monsanto Chemical Company Toxicology Department St. Louis, Missouri |
| Richard W. Freeman, Ph.D. | 1980 | Ecology and Environment, Inc. Tallahassee, Florida |
| Michael E. Fant, M.D., Ph.D | 1980 | Department of Pediatrics University of Texas Houston, Texas |
| Adeline Smith, Ph.D. | 1982 | National Institute of Health Div. of Molecular Toxicology Bethesda, Maryland |
| James Jernigan, Ph.D. | 1983 | Amoco Chicago, Illinois |
| Christopher Teaf, Ph.D. | 1985 | Florida State University Center for Biomedical and Hazardous Waste Research Tallahassee, Florida |
| Felix Adatsi, Ph.D. | 1986 | Department of Natural Resources State of Michigan Lansing, Michigan |
| M. Ann Clevenger, Ph.D. | 1987 | EPA Washington, D.C. |
| Glenn C. Millner, Ph.D. | 1987 | Environmental Consultant Little Rock, Arkansas |
| Henry F. Simmons, M.D., Ph.D. | 1988 | Division of Clinical Toxicology University of Arkansas for Medical Little Rock, Arkansas |
| Mary Alice Smith, Ph.D. | 1989 | University of Georgia Athens, Georgia |
| Hudson K. Bates, Ph.D. | 1989 | Research Triangle Institute Research Triangle Park, NC |
| Roland Garipay, MSPH | 1998 | United States Navy Norfolk, Virginia |
| Todd Stedeford, Ph.D. | 2000 | U.S.E.P.A. Washington, DC |

| | | |
|---------------------------------|------|---|
| Deborah Price, Ph.D. | 2001 | Environmental Health Hillsborough County, FL |
| Rony Francois, M.D., Ph.D. | 2003 | Secretary of Health State of Florida |
| Kelly Hall, Ph.D. | 2005 | Baush & Laumb Tampa, Florida |
| G. Scott Dotson, Ph.D. | 2006 | National Institute of Occupational Safety and Health |
| Paul Grivas, MPH, Ph.D., JD | 2007 | Law Practice |
| Jeff Crane, Ph.D. | 2007 | University of Miami, Florida |
| Giffe Johnson, Ph.D. | 2007 | University of South Florida, Tampa |
| Malek Khlifi, MD, Ph.D. | 2008 | New York Medical Center |
| Michael Hillman, MPH | 2009 | GEI Consultants |
| Robin DeHate, MPH, Ph.D. | 2009 | GEI Consultants, Tampa, FL |
| James McCluskey, MD, MPH, Ph.D. | 2010 | Publix |
| Danny Hillman, MPH | 2010 | Detroit General Hospital |
| Alex LeBeau, MPH, Ph.D. | 2010 | CRA Associates |
| Jennie White, MPH, Ph.D. | 2013 | Food and Drug Administration |
| Colin DeHate, MPH | 2015 | Charter School Coach |
| Theodore Aquino, DO, MSPH | 2016 | Norfolk Southern Railroad |
| Kristina Harand, MSPH | 2016 | Amazon |
| Brandon Dawkins MD, MSPH | 2016 | Occupational Medicine Atlanta |
| Alison Abritis, Ph.D. | 2016 | Retraction Watch |
| Ushang Desai, MBBS, MPH, Ph.D. | 2017 | NC OSHA |
| Sharon Kelly, Ph.D. | 2017 | Emergency Medicine Associates |
| Erin Pulster, Ph.D. | 2017 | USF Marine Sciences |
| Jake Bourgeois, MSPH | 2017 | Vanderbilt Medical Center |
| Hunairat Rahman, MD, Ph.D. | 2017 | University of New Mexico |
| Kambria Haire, MPH, Ph.D. | 2018 | Center for Disease Control |

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|--------------------------|------|---|
| Daniel Newfang, Ph.D. | 2019 | Space X |
| Jaime Coyle, MPH, Ph.D. | 2019 | National Council Air & Stream Improvement |
| Giovani Merilis, Ph.D. | 2019 | US Environmental Protection Agency |
| Anne Powell, Ph.D. | 2020 | Food and Drug Administration |
| Desarie Sutherland, MSPH | 2021 | Tampa Bay Research Facility |
| Julie Lichtermen, MSPH | 2022 | USF |
| Kevin Guth, Dr.PH | 2023 | Occupational Health Consultant Louisiana |
| Sean Jones, MPH, Dr.PH | 2024 | Tampa Water Works |

GRADUATE TRAINING - POSTDOCTORAL

| | Years of Study | Present Address |
|----------------------------|----------------|--|
| Michael Evans, Ph.D. | 1973-1976 | Amer. Inst. Toxicology Indianapolis, Indiana |
| Chandrarhar Dwivedi, Ph.D. | 1973-1976 | Meharry Medical College Dept. of Pediatrics Nashville, Tennessee |
| Richard P. Koshakji, Ph.D. | 1973-1976 | Dept. of Pharmacology Vanderbilt Medical Center Nashville, Tennessee |
| James S. MacDonald | 1975-1977 | Merck Institute for Therapeutic Research West Point, Pennsylvania |
| Daniel Goodman, Ph.D. | 1978-1980 | Univ. of Arkansas Med. Sci. Div. of Interdis. Toxicology Little Rock, Arkansas |
| Robert C. James, Ph.D. | 1979-1981 | TERRA, Inc. Tallahassee, FL |
| Peter Wells, Pharm.D. | 1979-1981 | University of Toronto College of Pharmacy Toronto, Ontario, Canada |
| Shahata El-Sewedy, Ph.D. | 1982-1983 | University of Alexandria Medical Research Institute Alexandria, Egypt |

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|-------------------------------|-----------|--|
| Syed F. Ali, Ph.D. | 1982-1983 | Natl. Ctr. for Toxicol. Res. Jefferson, Arkansas |
| Jay Gandy, Ph.D. | 1986-1987 | Univ. of Arkansas Med. Sci. Dept. of Pharm. & Tox. Little Rock, Arkansas |
| Christopher Borgert, Ph.D. | 1991-1992 | Univ. of Florida Dept. of Pathology Gainesville, Florida |
| Robert Demott, Ph.D. | 1993-1994 | Environ Tampa, Florida |
| Todd Stedeford, Ph.D. | 1999-2002 | US Environmental Protection Agency |
| M. Rony Francois, M.D., Ph.D. | 2000-2003 | Secretary of Health State of Florida |

PUBLICATIONS

1. Harbison, R.D., R.C. Boerth and J.L. Spratt. Quantitative determination of free and conjugated bilirubin by diazo coupling and a liquid-extraction and column-chromatographic technique. *Biochem. J.* 104:46c-47c, 1967.
2. Harbison, R.D. and J.L. Spratt. Novobiocin-induced hyperbilirubinemia and its reduction by phenobarbital pretreatment. *Toxicol. Appl. Pharmacol.* 11:257-263, 1967.
3. Harbison, R.D. and J.L. Spratt. Disappearance of plasma bilirubin fractions in the rat after phenobarbital. *Arch. Int. Pharmacodyn.* 172(1):32-36, 1968.
4. Harbison, R.D. and B.A. Becker. Barbiturate mortality in hypothyroid and hyperthyroid rats. *J. Pharm. Sci.* 58(2):183-185, 1969.
5. Harbison, R.D., C.D. Klassen and B.A. Becker. Hemodynamics of the isolated perfused liver of hypothyroid and hyperthyroid rats. *Proc. Soc. Exper. Biol. Med.* 132:96-99, 1969.
6. Harbison, R.D. and B.A. Becker. Relation of dosage and time of administration of diphenylhydantoin and its teratogenic effect in mice. *Teratology* 2:305-311, 1969.
7. Eling, T.E., R.D. Harbison, B.A. Becker and J.R. Fouts. Diphenylhydantoin effect on neonatal and adult rat hepatic drug metabolism. *J. Pharmacol. Exp. Ther.* 171:127-137, 1970.
8. Eling, T.E., R.D. Harbison, B.A. Becker and J.R. Fouts. Kinetic changes in microsomal drug metabolism with age and diphenylhydantoin treatment. *Europ. J. Pharmacol.* 11:101-108, 1970.

9. Harbison, R.D. and B.A. Becker. Effect of phenobarbital and SKF 525-A pretreatment on diphenylhydantoin teratogenicity in mice. *J. Pharmacol. Exp. Ther.* 171:283-288, 1970.
10. Harbison, R.D. and B.A. Becker. Effect of phenobarbital or SKF 525-A pretreatment on diphenylhydantoin deposition in pregnant mice. *Toxicol. Appl. Pharmacol.* 20:573-581, 1971.
11. Harbison, R.D. and B. Mantilla-Plata. Prenatal toxicity, maternal distribution and placental transfer of tetrahydrocannabinol. *J. Pharmacol. Exp. Ther.* 180(2):446-453, 1972.
12. Harbison, R.D. and B.A. Becker. Diphenylhydantoin teratogenicity in rats. *Toxicol. Appl. Pharmacol.* 22:193-200, 1972.
13. Wilson, B.J. and R.D. Harbison. Rubratoxins. *J. Am. Vet. Med. Assoc.* 163(11):1274-1276, 1973.
14. Koshakji, R.P., B.J. Wilson and R.D. Harbison. Effect of rubratoxin B on prenatal growth and development in mice. *Res. Comm. Chem. Pathol. Pharmacol.* 5:584-593, 1973.
15. Koshakji, R.P., J. Cole and R.D. Harbison. Influence of injection volume on parathion toxicity and plasma and brain cholinesterase inhibition. *Res. Comm. Chem. Pathol. Pharmacol.* 6(2):677-687, 1973.
16. Mantilla-Plata, B. and R.D. Harbison. Effect of phenobarbital and SKF 525-A pretreatment, sex, liver injury and vehicle on Δ^9 tetrahydrocannabinol toxicity. *Toxicol. Appl. Pharmacol.* 27:123-130, 1974.
17. Jones, M.M. and R.D. Harbison. Phthalyltetrathioacetic acid (PTTA). A new chelating agent. *Res. Comm. Chem. Pathol. Pharmacol.* 7:390-398, 1974.
18. Stevens, M.W. and R.D. Harbison. Placental transfer of diphenylhydantoin: Effects of species, gestation age, and route of administration. *Teratology* 9:317-326, 1974.
19. Harbison, R.D. and B.A. Becker. Comparative teratogenicity of diphenylhydantoin and metabolites in mice. *Teratology* 10(3):237-242, 1974.
20. Dwivedi, C., R.D. Harbison, B. Ali and S. Parmar. Synthesis of substituted anilino-[3-methoxy-4-(4-arylthiosemicarbazidecarbonylmethyleneoxy)] benzylidenes: Correlation between anticonvulsant activity and monoamine oxidase inhibitory and antihemolytic properties. *J. Pharmaceut. Sci.* 63(7):1124-1128, 1974.
21. Parmar, S.S., B.R. Pandey, C. Dwivedi and R.D. Harbison. Anticonvulsant activity and monoamine oxidase inhibitory properties of 1,3,5-trisubstituted pyrazolines. *J. Pharmaceut. Sci.* 63(7):1152-1155, 1974.

22. Koshakji, R.P., B.V. Rama Sastry and R.D. Harbison. Studies on the levels and nature of cholinesterase in human and mouse placenta. *Res. Comm. Chem. Path. Pharmacol.* 9(2):687-692, 1974.
23. Harbison, R.D. and B.V. Rama Sastry. A functional cholinergic system in human placenta. In: *Basic and Therapeutic Aspects of Perinatal Pharmacology*, P.L. Morselli, et al., eds., Raven Press, New York, 1975.
24. Harbison, R.D., ed., *Perinatal Addiction*, Spectrum Press, New York, 1975.
25. Ali, B., S.S. Parmar, C. Dwivedi and R.D. Harbison. Selective inhibition of nicotinamide adeninedinucleotide-dependent oxidations by substituted carbamides. *Res. Comm. Chem. Pathol. Pharmacol.* 11(1):163-166, 1975.
26. Ali, B., R. Kumar, S.S. Parmar, C. Dwivedi and R.D. Harbison. Antihemolytic and anticonvulsant activity of 1-(2,4-dichloro/2,4,5-trichlorophenoxyacety)-4-alkyl/arylthiosemicarbazides and their relationship between inhibition of NAD-dependent oxidations and monoamine oxidase. *J. Pharmaceut. Sci.* 64(8):1329-1335, 1975.
27. Gupta, A.K., C. Dwivedi, T.K. Gupta, S.S. Parmar and R.D. Harbison. Synthesis of 2-(N-arylcarboxamide)-3-substituted ethoxyindoles and their monoamine oxidase inhibitory and anticonvulsant activities. *J. Pharmaceut. Sci.* 64(6):1001-1005, 1975.
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ABSTRACTS

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