J. Christopher States, Ph. D.

Curriculum Vitae

CONTACT INFORMATION:

Office Address:
Department of Pharmacology & Toxicology
University of Louisville School of Medicine
505 S. Hancock Street
Louisville, KY 40202

Telephone:
W: 502-852-5347 (voice)
W: 502-852-2123 (fax)

E-mail: jcstates@louisville.edu

EDUCATION:

1974 State University of New York at Buffalo; Buffalo, NY; B. S. in Biochemistry
1980 Albany Medical College, Union University; Albany, NY; Ph. D. in Molecular Biology and Pathology

TRAINING:

7/80-10/84 Postdoctoral Fellow, Department of Medical Biochemistry, University of Calgary, Calgary, Alberta, Canada

FACULTY APPOINTMENTS:

9/86-11/88 Children's Hospital Research Foundation, Division Basic Science Research & University of Cincinnati, Department of Pediatrics, Cincinnati, OH: Research Assistant Professor (9/86 - 11/88).

12/88-8/99 Wayne State University, Detroit, MI:
Center for Molecular Biology, Assistant Professor (Research), 12/88-9/94;
Dept. Molecular Biology & Genetics, Adjunct Assistant Professor, 3/91-9/94;
Cancer Biology Ph. D. Program, Assistant Professor, 11/91-6/97; Associate Professor 7/97-8/99;
Molecular & Cellular Toxicology Ph. D. Program, Assistant Professor, 5/92-6/97; Associate Professor, 7/97 - 8/99
Center for Molecular Medicine and Genetics, Assistant Professor (Research), 10/94-6/97; promoted to Associate Professor (Research) 6/97; Associate Professor (Associate Member), 7/97 - 8/99
Institute of Chemical Toxicology, Adjunct Assistant Professor, 10/94-6/97; Associate Professor (tenure track), 7/97 - 8/99
Department of Pharmaceutical Sciences, Associate Professor, 7/97 - 8/99

9/99 - present	University of Louisville, Louisville, KY: Department of Pharmacology and Toxicology, Associate Professor, 9/99 – 6/05; tenure granted 9/04; Professor, 7/05 – present; Department of Radiation Oncology, Associate Professor, 11/05-9/09 Department of Environmental and Occupational Health, School of Public Health and Information Sciences, Adjunct Professor, 8/16 – present
9/15 – 12/16	University of Maine, Orono, ME; School of Biomedical Sciences and Engineering, External Graduate Faculty

OTHER PROFESSIONAL APPOINTMENTS:

7/74-6/75	Research Assistant, Department of Pathology, Albany Medical College, Albany NY
7/75-6/80	Ph. D. Student, Department of Pathology, Albany Medical College, Albany NY
7/80-10/84	Post-doctoral Fellow, Department of Medical Biochemistry, University of Calgary, Calgary, Canada
11/84-8/86	Research Scholar, Department of Basic Science Research, Children's Hospital Research Foundation, Cincinnati, OH
8/97-8/99	Program Leader: Gene Regulation and Genetics Research Core of the NIEHS Center for Cellular and Molecular Toxicology with Human Applications, Wayne State University
9/99 - present	Member, Center for Genetics and Molecular Medicine, University of Louisville
9/99 - present	Member, Center for Environmental Health Sciences, University of Louisville
1/00 - present	Member, James Graham Brown Cancer Center, University of Louisville
2/04 – 6/13	Deputy Director, Center for Genetics and Molecular Medicine, University of Louisville
6/07 – 6/13	Deputy Director, Center for Environmental Genomics and Integrative Biology, University of Louisville
7/07 – 1/14	Director, Program Admissions and Recruitment, Department of Pharmacology & Toxicology and Toxicology, University of Louisville
7/12 – present	Associate Dean for Research (Interim 7/12 – 12/13), School of Medicine, University of Louisville
2/14 – 3/18	Vice Chair for Graduate Education, Department of Pharmacology & Toxicology and Toxicology, University of Louisville
4/18 – present	Vice Chair for Research, Department of Pharmacology & Toxicology and Toxicology, University of Louisville
3/18 – present	Director, Center for Integrated Environmental Health Sciences, University of Louisville

HONORS & AWARDS:

1970	National Merit Finalist
9/70-5/74	New York State Regents Scholarship
9/76-8/79	NIH Training Grant Studentship
1980	Dean's Certificate and Mosby Prize for Excellence in Research
9/80-8/84	Alberta Heritage Foundation for Medical Research Postdoctoral Fellowship
7/07 – 6/15	Distinguished University Scholar, University of Louisville

7/15 – 6/18	University Scholar, University of Louisville
2017	Career Achievement Award, Society of Toxicology Metals Specialty Section
2018 - 2019	Distinguished University Scholar, University of Louisville
2019	Albert Nelson Marquis Lifetime Achievement Award
2020	Global Senior Scholar Exchange Program Award, Society of Toxicology
2020	University of Louisville Distinguished Faculty Award for Outstanding Scholarship, Research and Creative Activity in Basic and Applied Sciences

MAJOR PROFESSIONAL SOCIETIES (currently active):

American Association for Cancer Research
American Association for the Advancement of Science
American Chemical Society
American Society for Pharmacology and Experimental Therapeutics
International Society for the Study of Xenobiotics
Society of Toxicology

OTHER MEMBERSHIPS

Arba Sicula
Union of Concerned Scientists

SERVICE

Peer Review for Granting Agencies:

National Science & Engineering Research Council (NSERC), Canada (1992)
National Institutes of Health: Experimental Therapeutics-1 Special Study Section (1996)
National Institutes of Health: Alcohol & Toxicology-1 Study Section, temporary member (1999; 2000)
U.S. Civilian Research and Development Foundation (2000)
U. S. Department of Energy (2001)
National Cancer Institute, Program Project Review and Site Visit (2001)
National Science Foundation/SBIR (2002, 2003)
Phillip Morris External Research Program (2003, 2004)
U. S. Department of Defense (2004)
National Institute of General Medical Sciences: Minority Biomedical Research Support Review Subcommittee B MPRC-B (2006)
Alberta Heritage Foundation for Medical Research (2006)
National Institutes of Health: ZRG1 ONC-H 02 M, Chromosomal Instability and Cancer (2007)
National Institute of General Medical Sciences: MBRS Support of Competitive Research Review Panel ZGM1 MBRS-7 (CC) (2007)
National Institutes of Health, Xenobiotic and Nutrient Disposition and Action [XNDA]; temporary member (2008)
National Institutes of Health: ZRG1 DIG-D 02 M, (2008)
National Institutes of Health: ZRG1 DKUS-A (58) (2009)

National Institutes of Health: AICS Study Section (mail reviewer) (2010)
National Institutes of Health: CIDO Study Section (mail reviewer) (2012)
National Institutes of Health: CADO Study Section (mail reviewer) (2012)
Medical Research Council (United Kingdom), grant reviewer (2012)
NIH-CSR Study Section: SIEE Study Section, temporary member (2/2014)
NIEHS K99/R00 review panel, telephone conference, (3/2014)
NIH-CSR Study Section: SIEE Study Section, temporary member (6/2014)
NIEHS K99/R00 review panel, (ZES1 LWJ-J (K9)) telephone conference (8/2014)
NIEHS K99/R00 review panel, (ZES1 LWJ-D (KC)) telephone conference (4/2015)
NIH-CSR: SIEE Study Section, temporary member (6/2015)
NIH-CSR: ZAT1 HS-26 Chelation Therapy Research Study Section (4/2016)
NIH-CSR: ZRG1 DKUS-P (02) Member Conflict: Toxicology (06/28/2017)
NIH-CSR: ZRG1 F06-A (20) Fellowships: Endocrinology, Metabolism, Nutrition, and Reproductive Science (07/31/2017)
NIH-CSR: ZRG1 DKUS P02 Member Conflict: Topics in Toxicology (10/31/2017; co-chair)
NIH-CSR: Anonymization Study (DKUS, JG) (10/2018)
NIH-CSR: ZRG1 F06-Y (20) Fellowships: Endocrinology, Metabolism, Nutrition and Reproductive Science (07/31/2019)
NIEHS R35 review panel, ZES1 LWJ-S R3 1 (11/14/2019)
Natural Sciences and Engineering Research Council of Canada (12/19)
NIH-CSR: ZRG1 DKUS-J(05) (07/28/2020)
NIH-CSR: SIEE Study Section, temporary member (3/2021)

Advisory Boards

All India Congress of Cytology and Genetics, International Advisory Board (12/08 – present)
External Advisory Board member, Center for Urban Responses to Environmental Stressors (CURES), National Institute of Environmental Health Sciences Core Center (P30 ES020957) (5/15 – present)
National Research Council Committee on Inorganic Arsenic (Phase 2) (10/15 – 3/16)
National Research Council Committee on Inorganic Arsenic, USEPA IRIS review (10/18 – 10/19)
Society of Toxicology Board of Publishers (member 4/19 – present; co-chair 4/20 - present)

External Program Review

Environmental Genetics and Molecular Toxicology Graduate Program, University of Cincinnati (9/2015)

Editorial Boards

Toxicology and Applied Pharmacology (5/07 – present)
Reproductive Toxicology (11/07 – 12/12)
Journal of Ovarian Research (9/08 – 8/18)

PLoS ONE (academic editor, 10/11 – present)

Peer Review for Journals

Analytical Biochemistry
Apoptosis
Archives of Toxicology
Biochemistry
Biological Trace Elements Research
Biomed Central Biology
Biotechniques
British Journal of Dermatology
Cancer Medicine
Cancer Research
Carcinogenesis
Chemical Biology & Drug Design
Chemical Research in Toxicology
Chemico-Biological Interactions
Comparative Biochemistry and Physiology
DNA and Cell Biology
DNA Repair
Drug Metabolism and Disposition
Drug Metabolism Reviews
Ecotoxicology and Environmental Safety
Environmental and Molecular Mutagenesis
Environmental Health
Environmental Health Perspectives
Environmental Monitoring and Assessment
Environmental Research
Environmental Science & Technology
Epigenetics
Experimental Biology and Medicine
FEBS Letters
Food and Chemical Toxicology
Gene
International Journal of Environmental Research and Public Health
Journal of Biological Chemistry
Journal of Radiation Biology
Journal of Toxicology and Environmental Health, Part A
Journal of Translational Medicine
Life Sciences
Microbial Ecology
Molecular Carcinogenesis
Molecular and Cellular Biochemistry
Molecular and Cellular Endocrinology
Molecular Cancer Therapeutics
Molecular Medicine

Molecular Therapy - Nucleic Acids
Mutation Research
Mutation Research - Genetic Toxicology and Environmental Mutagenesis
PEERJ
PLoS ONE
Proceedings of the National Academy of Sciences (USA)
Protein Expression and Purification
Reproductive Toxicology
Reviews on Environmental Health
Toxicological Sciences
Toxicology
Toxicology and Applied Pharmacology
Toxicology in Vitro

Miscellaneous:

Handbook of Arsenic Toxicology (Elsevier, Table of Contents review)
Health and Environmental Sciences Institute (invited manuscript critique)

Conference & Symposium Organization:

1st Annual Midwest DNA Repair Symposium, Ann Arbor, MI, June 13, 1999: Vice-Chair
Midwest DNA Repair Symposium series (now in its 18th consecutive year): Founder
EHS Center Symposium, "DNA repair: Environmental Impact & Implications for Human Health", Detroit, MI, October 18, 1999; Chair of Organizing Committee
2nd Annual Midwest DNA Repair Symposium, Louisville, KY, May 20-21, 2000: Chair
Society of Toxicology National Meeting (2003), Platform Session, "Mechanisms of Apoptosis", Chair
Society of Toxicology National Meeting (2004), Symposium: "Arsenic Disruption Of Cell Cycle: Mechanisms and Effects on Apoptosis, Differentiation And Carcinogenesis", Chair
Gordon Research Conference on Mechanisms of Toxicity (2004), Session: "Crossroads of Cell Cycle, Tumor Suppressors and DNA Damage and Repair", Chair
Society of Toxicology National Meeting (2008), Symposium: "Arsenic and Cardiovascular Disease", Chair
International Conference of Translational Pharmacology & Toxicology & 41st Annual Conference of Indian Pharmacological Society, All India Institute of Medical Sciences, New Delhi, India, (2008), Symposium: Toxicogenomic Approaches to Adverse Drug Reactions, Chair
14th Alexander Hollaender Course on Genetic Toxicology, Indian Institute of Chemical Biology, Kolkata, India (2008), Session Chair
12th Annual Midwest DNA Repair Symposium, University of Louisville, Louisville, KY, May 16-16, 2010: Chair
Workshop on Phenotypic Anchoring of Arsenic Dose/Exposure in Experimental Models of Human Disease, University of Louisville, Oct 21, 2010, Chair
Research!Louisville, University of Louisville, Louisville, KY, Sept 24 – 27, 2013; Chair
Research!Louisville, University of Louisville, Louisville, KY, Sept 16 – 19, 2014; Chair

8th Conference on Metal Toxicity & Carcinogenesis, Albuquerque, NM, Oct 26-28, 2014; Session Chair: Developmental & Epigenetic Effects
Research!Louisville, University of Louisville, Louisville, KY, Oct 27 – 30, 2015; Chair
Research!Louisville, University of Louisville, Louisville, KY, Oct 11 – 14, 2016; Chair
9th Conference on Metal Toxicity & Carcinogenesis, Lexington, KY, Oct 16 – 19, 2016; Session Chair: Mechanisms of Metals Carcinogenesis
Society of Toxicology National Meeting, Baltimore, MD, March 12-15, 2017, Roundtable: "Herbo-metallic Mixtures in Traditional Medicines", Session Chair:
Research!Louisville, University of Louisville, Louisville, KY, Sept 16 – 19, 2017; Chair
Research!Louisville, University of Louisville, Louisville, KY, Oct 9 – 12, 2018; Chair
10th Conference on Metal Toxicity & Carcinogenesis, Albuquerque, NM, Oct 28-31, 2018; Session Chair
Society of Toxicology National Meeting, Baltimore, MD, March 10-14, 2018, Symposium: "New Mechanistic Insights into Causes and Outcomes of Epigenetic Dysregulation by Carcinogenic Metals", Session Co-Chair

University of Louisville and Departmental Committees

Baxter Building Committee (1999 - 2009)
Judge, Post-doctoral fellow posters, Research!Louisville (1999)
Judge, Faculty posters, Research!Louisville (2003)
Department of Pharmacology & Toxicology Graduate Training (member, 2000 – 2014)
Department of Pharmacology & Toxicology Research & Core Facilities (member, 2000; Chair, 2001 - 2009)
Department of Pharmacology & Toxicology Faculty Search (member, 2001- 2002)
Center for Genetics & Molecular Medicine Seminar (member, 2000 - 2004)
University Rules, Policies and Credentials Committee (member, 2002-2003)
School of Medicine Research Committee (member, 2003-2004; Chair, 2004- 2009; exoffico, 2012 - present)
Judge, Post-doctoral posters, Research!Louisville (2005)
Judge, Faculty posters, Research!Louisville (2006)
IPIBS Committee (2007 – 2013)
UofL CEGIB Pilot Project Review Committee (2009, 2010)
Judge, Graduate Student posters, Brown Cancer Center Retreat (2010)
Judge, Post-doctoral posters, Research!Louisville (2010)
Judge, Graduate Student posters, Research!Louisville (2011)
Department of Pharmacology & Toxicology Faculty Search (member, 2011- 2012)
Judge, Graduate Student posters, Research!Louisville (2012)
Minors on Campus Policy Committee (2012)
Classified Research Committee (2012)
Research!Louisville (2013 – present, chair)
Council of Research Deans (2014 – present)
Department of Pharmacology & Toxicology & Toxicology Graduate Student Affairs (2014 – 2017, chair; 2017 – 2020, member)
Department of Pharmacology & Toxicology & Toxicology Graduate Student Admissions (2014 – 2017)
Graduate Council, School of Medicine (2014 – 2017)

Conflict of Commitment Committee (2016)
Transition & Closeout Committee (2016)
Grants Management Post-Award Director Search Committtee (2018)
School of Public Health and Information Sciences Promotion and Tenure Committee (2018-present)
University of Louisville Strategic Planning Invest Committee (2019)
University of Louisville School of Medicine Strategic Planning/Resarch (2020)
University of Louisville COVID-19 Re-open Research Laboratories Task Force (2020)
University of Louisville Facility Core Review (2020-2021)
University of Louisville Director of Research Development & Support Search Committee (2021)

Wayne State University and Departmental Committees:

Center for Molecular Biology Self-Study and 5 Year Report (1990)
Center for Molecular Biology Faculty Recruitment (Chair, 1991-1993)
Center for Molecular Biology Graduate Student (Chair, 1991-1992)
Center for Molecular Biology Post-doctoral Recruitment (1991-1993)
Department of Molecular Biology & Genetics Graduate Training (1992-1993)
MS in Molecular Biotechnology Steering Committee (1990-1996)
Molecular Medicine Interdisciplinary Program (Chair, 1992-1994)
Cancer Biology Program Qualifying Examination (1993-1994)
AAUP Selective Salary Committee - Division of Research and Graduate Studies (1994)
Molecular and Cellular Toxicology Program Graduate Committee (1993-1999)
CMB/MBG Advisory/Strategic Planning (1993-1995)
CMB/MBG Graduate & Medical Curriculum/Training (Chair, 1993-1995; member 1995-1996)
Interdisciplinary Program on Drug Development and Evaluation (1999)

Professional Service:

Society of Toxicology Metals Specialty Section, Secretary/Treasuer (05/05 – 04/07); Vice President -Elect (05/09-04/10), Vice President (05/10-04/11), President (05/11-4/12), Past President (5/12 – 4/13)
Ohio Valley Chapter Society of Toxicology, Counselor (05/06 – 04/10); Vice-President (05/11-5/12), President Elect (5/12 – 4/13); President (5/13 – 4/14); Past President (5/14 – 4/15)
Society of Toxicology, representative to National Institutes of Health Center for Scientific Research Open House Workshop on Peer Review (2007); Board of Publications (2019 – present; current chair)
All India Congress of Cytology and Genetics, International Advisory Board Member (2008 – 2013)

Community Service (non-academic):

1/98 - 2/02 Cub Scouts of America: Pack 1607, Royal Oak, MI: Tiger Cub Coach (1/98 -

8/98), Den Leader (9/98 - 8/99); Pack 154, Goshen, KY: Assistant Den Leader & Webmaster (9/99 - 2/02), Committee Chair (9/00 – 2/02)

3/02 – 5/09 Boy Scouts of America: Troop 30, Louisville, KY: Assistant Scoutmaster, Merit Badge Counselor (Public Health, Fishing, Fly Fishing, Mammal Study, Personal Management, Music, Theater)

1/02 – 12/09 Spindletop Homeowners Association Board, President

TEACHING/TRAINING (bold dates = during period of review):

University of Louisville

Course director

2000 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX665, Co-directed)
2001 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX665, Co-directed)
2002 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX665, Co-directed)
2003 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX665, Co-directed)
2004 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX665, Co-directed)
2005 Preclinical Elective (PHAR816, independent study supervisor)
2005 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX665, Co-directed)
2005 Topics in Pharmacology & Toxicology (independent study, PHTX618)
2006 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673, Co-directed)
2007 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673, PHTX674, PHTX675, Co-directed)
2008 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673,PHTX674, PHTX675, Co-directed)
2008 Topics in Pharmacology & Toxicology (DNA Repair and Mutagenesis, PHTX618, Co-directed)
2009 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673, PHTX674, PHTX675, Co-directed)
2010 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673,PHTX674, PHTX675, Co-directed)
2011 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673,PHTX674, PHTX675, Co-directed)
2012 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX672, PHTX673, PHTX674, PHTX675, Co-directed)
2013 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX674, PHTX675, Co-directed)
2014 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX674, PHTX675, Co-directed)

2015 Research Methods in Pharmacology & Toxicology and Toxicology (PHTX674, PHTX675, Co-directed)
2015 Research PHTX619
2015 Special Topics (PHTX618, 'Human Risk Assessment', (co-directed)
2016 Research Methods in Pharmacology & Toxicology (PHTX674, PHTX675, Co-directed)
2016 Research PHTX619
2016 Special Topics (PHTX618, 'Careers in Biomedical Science', co-directed)
2017 Research PHTX619
2018 Molecular Toxicology PHTX661/BIOC661 (co-directed)
2019 Molecular Toxicology PHTX661/BIOC661 (co-directed)
2020 Molecular Toxicology PHTX661/BIOC661 (co-directed)
2021 Molecular Toxicology PHTX661/BIOC661 (co-directed)

Continuing Education Programs:

Emerging Environmental Issues Affecting Women and Children's Health, Metal Toxicity: Arsenic, Lead and Mecury, "Biology of Heavy Metals", Park DuValle Community Health Clinic, Louisville, KY, August 22, 2007

Lectures in team-taught courses:

1999 Research Methods in Pharmacology & Toxicology (PHRM665, 3 h)
2000 Biochemistry of Cancer (BIOC675, 1 h)
2000 Research Methods in Pharmacology & Toxicology (PHTX665, 3 h)
2001 Advanced Nursing Pharmacology & Toxicology (PHRM650, 1 h)
2001 Research Methods in Pharmacology & Toxicology (PHTX665, 3 h)
2002 Molecular Mechanisms of Drug Action (PHRM661, 4 h)
2002 Clinical Neuroscience (PATH850, 1 h)
2002 Research Methods in Pharmacology & Toxicology (PHTX665, 3 h)
2002 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2002 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2003 Clinical Neuroscience (PATH850, 1 h)
2003 Principles of Medical Pharmacology & Toxicology (PHTX 601, 4 h)
2003 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2003 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2003 Research Methods in Pharmacology & Toxicology (PHTX665, 3 h)
2004 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2004 Principles of Medical Pharmacology & Toxicology (PHTX 601, 4 h)
2004 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2004 Research Methods in Pharmacology & Toxicology (PHTX665, 3 h)
2004 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2005 Radiation and Cancer Biology for Radiation Oncology Residents (1.5 h)
2005 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2005 Principles of Medical Pharmacology & Toxicology (PHTX 601, 4 h)
2005 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2005 Research Methods in Pharmacology & Toxicology (PHTX665, 3 h)
2005 Dental Pharmacology & Toxicology (BMSC807, 1 h)

2006 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2006 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2006 Research Methods in Pharmacology & Toxicology (PHTX673, 3 h)
2006 Radiation and Cancer Biology for Radiation Oncology Residents (4 h)
2006 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2006 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2006 Selective Toxicity (PHTX658, 2 h)
2006 Molecular Toxicology (BIOC661, 3 h)
2007 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2007 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2007 Research Methods in Pharmacology & Toxicology (PHTX673, 2 h; PHTX674, 2 h)
2007 Radiation and Cancer Biology for Radiation Oncology Residents (2 h)
2007 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2007 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2007 Selective Toxicity (PHTX658, 2 h)
2007 Molecular Toxicology (BIOC661, 3 h)
2007 Global Issues in Environmental and Occupational Health Issues (PHEH620)
2008 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2008 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2008 Research Methods in Pharmacology & Toxicology (PHTX673, 2 h; PHTX674, 2 h)
2008 Radiation and Cancer Biology for Radiation Oncology Residents (2 h)
2008 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2008 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2008 Selective Toxicity (PHTX658, 2 h)
2008 Molecular Toxicology (BIOC661, 3 h)
2008 Global Issues in Environmental and Occupational Health Issues (PHEH620)
2009 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2009 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2009 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2009 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2009 Selective Toxicity (PHTX658, 2 h)
2009 Research Methods in Pharmacology & Toxicology (PHTX673, 2 h; PHTX674, 2 h)
2009 Molecular Toxicology (PHTX661, 3 h)
2009 Global Issues in Environmental and Occupational Health Issues (PHEH620)
2010 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2010 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2010 Advanced Nursing Pharmacology & Toxicology (PHTX650, 1 h)
2010 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2010 Selective Toxicity (PHTX658, 2 h)
2010 Research Methods in Pharmacology & Toxicology (PHTX672, 4 h; PHTX673, 4 h; PHTX674, 2 h)
2010 Molecular Toxicology (PHTX661, 3 h)
2010 Global Issues in Environmental and Occupational Health Issues (PHEH620)

2011 Research Methods in Pharmacology & Toxicology (PHTX672, 4 h; PHTX673, 4 h; PHTX674, 2 h)
2011 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2011 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2011 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2011 Selective Toxicity (PHTX658, 2 h)
2011 Molecular Toxicology (PHTX661, 3 h)
2012 Research Methods in Pharmacology & Toxicology (PHTX672, 4 h; PHTX673, 4 h; PHTX674, 2 h)
2012 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2012 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2012 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2012 Selective Toxicity (PHTX658, 2 h)
2012 Molecular Toxicology (PHTX661, 7.5 h)
2012 Cell Biology (MBIO667, 1.5 h)
2013 Research Methods in Pharmacology & Toxicology (PHTX674, 2 h)
2013 Selective Toxicity (PHTX658, 2 h)
2013 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2013 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2013 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2013 Molecular Toxicology (PHTX661, 7.5 h)
2014 Research Methods in Pharmacology & Toxicology (PHTX674, 2 h)
2014 Molecular Toxicology (PHTX661, 7.5 h)
2014 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2014 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2014 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2014 Selective Toxicity (PHTX658, 2 h)
2015 Research Methods in Pharmacology & Toxicology (PHTX674, 2 h)
2015 Molecular Toxicology (PHTX661, 7.5 h)
2015 Principles of Pharmacology & Toxicology (PHAR850, 1 h)
2015 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2015 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2015 Selective Toxicity (PHTX658, 2 h)
2016 Molecular Toxicology (PHTX661, 7.5 h)
2016 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2016 NeuroPharmacology & Toxicology (PHTX655, 1 h)
2016 Selective Toxicity (PHTX658, 2 h)
2016 Toxicology I (PHTX643, 4 h)
2017 Molecular Toxicology (PHTX661, 7.5 h)
2017 Toxicology I (PHTX643, 3 h)
2017 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2018 Pharmacology II (PHTX642, 6 h)
2018 Cancer Biology (BIOC675, 2 h)
2018 Toxicology II (PHTX644, 3 h)
2018 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2018 Molecular Toxicology (PHTX661, 7.5 h)

2019 Pharmacology II (PHTX642, 4.5 h)
2019 Cancer Biology (BIOC675, 2 h)
2019 Toxicology II (PHTX644, 3 h)
2019 Molecular Toxicology (PHTX661, 7.5 h)
2019 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2020 Pharmacology II (PHTX642, 4.5 h)
2020 Cancer Biology (BIOC675, 2 h)
2020 Toxicology II (PHTX644, 3 h)
2020 Molecular Toxicology (PHTX661, 7.5 h)
2020 Dental Pharmacology & Toxicology (BMSC807, 1 h)
2021 Pharmacology II (PHTX642, 4.5 h)
2021 Cancer Biology (BIOC675, 2 h)
2021 Toxicology II (PHTX644, 3 h)
2021 Molecular Toxicology (PHTX661, 7.5 h)

Faculty Mentoring

Walter H. Watson, Ph.D., Department of Medicine, Division of Gastroenterology (4/19 – present)
Mayukh Banerjee, Ph.D., Department of Pharmacology & Toxicology (10/20 – present)

Laboratory training (9/99 - present):

Visiting Faculty:
Allan Pinhas, Ph. D., Professor of Chemistry, University of Cincinnati (9/01 - 3/02; 9/09 – 8/10)
Ana Maria Salazar, Ph. D., Associate Researcher, Dept.of Genomic Medicine and Environmental Toxicology, Biomedical Research Institute, National University of Mexico, México (June 5 – 18, 2005)
Ashok K. Giri, Ph.D., D.Sc., Senior Scientist, Institute of Chemical Biology, Kolkata, India (February 2009)
Jiguo Wu, Ph.D., Associate Professor of Preventive Medicine, Department of Environmental Health, School of Public Health and Tropical Medicine, Southern Medical University, Guangzhou, China (2/9/2015 – 1/31/2016)

Research Associates/Post-doctoral Fellows:
Rose P. Webster, Ph. D. (9/99 - 2/00)
GuoHui Jiang, Ph. D. (3/00 – 6/06)
Meka Prosper M'Bemba, Ph.D. (1/06 – 5/07)
Ana Paula Ferragut Cardoso, Ph.D. (8/17 – present)
Mayukh Banerjee, Ph.D. (1/18 – 9/20)
Alexandra N. Nail, Ph.D. (1/21 – present)

M.D./Ph.D. Students:
B. Frazier Taylor (6/03 – 6/07)

Ph. D. Students:
Paul C. Porter (9/99 - 2005)

Paula Logsdon (9/01 - 12/01)
Samuel C. McNeely (8/03 – 11/07)
Xiaoqiang (Steven) Xu (6/05 – 10/05)
Erica N. Rogers (10/05 – 2011)
Clarisse Muenyi (8/06 – 2011)
Katherine Woods (1/07 – 1/07)
Ntube Olive Ngalame (8/07 – 2011)
Banrida Wahlang (2010)
Lindsay Jay Stallons (2011)
Stephen Wechman (2011)
Christopher Shidal (2011)
Laila Al-Eryani (2014 – 2017 withdrew)
Collin Stocke (2015 – 2017)
Jana Peremarti-Brosel (visiting scholar, 5/16 – 7/16)
Angeliki Lykoudi (2018 – present)
Ngozi V. Adiele (2021 – present)

Masters Students
Matthew R. Zajack (8/08 – 8/10)
J. Mason Hoffman (2014 – 2017
Angeliki Lykoudi (2018 – present)

Medical Students (Summer):
Joy K. Jones (6/00 - 8/00)
Shannon Sams (6/01 - 8/01)
B. Frazier Taylor (6/02 -8/02)
Abhaya A. Pandit (6/07-8/07)
Alex Belshoff (6/08 – 8/09)
Matthew Lykins (6/10 – 8/10)
Cory A. France (6/11 – 8/11)
Nicholas Klimchak (6/13 – 8/13)
Samantha Jenkins (6/15 – 5/18, Distinction in Research track)
Camille Gordon (6/16 – 8/16)
R. Nicholas Knear-Bell (5/17 – 5/20, Distinction in Research track)
Monzolesso J. Bagadh- Kognagba (5/17 – 7/17)
Allison Sanders (5/18-7/18)
Jasen Davis (5/18-7/18)
Katherine E. Crider (5/19-7/19)
Karen Udoh (5/20 – 8/20)
Lakynkalina M McCaffrey (5/21- present)
Max N. Rogers (5/21- present)
Jonathan C. Bastick III (5/21- present)

Undergraduate Students:
Christopher Worley (7/02 - 8/02)
Venetta Smith (6/03 – 5/04)
Alex Belshoff (6/06 – 8/06, 1/07 – 8/07)
Jared Woods (5/07 – 8/07)

Vanessa States (6/10 – 8/10, 6/11 – 8/11)
Andrew Miccechi (7/10 – 8/10; 6/11 – 8/11)
Millicent Fugate (7/10 – 8/10)
Marilyn Feil (7/10 – 8/10)
Douglas Saforo (6/12 – 5/13)
James A. Stewart (6/14 – 8/14)
Karen Udoh (5/15 – 8/15)
Nathan W. Wainscot (8/15 – 7/16)
Will Frye (6/18 – 8/21)
Nicole C. Sparling (5/19 – 8/19)
Ariamna Herrera Miret (5/20 -12/20)

High School Students
Erik Rainey (6/07 – 8/07)
Vanessa Omeokachie (11/07 – 4/08)
Andrew Miccechi (6/08 – 7/08)
Vanessa States (6/08 – 8/08, 6/09 – 8/09)
Apsara Wickramasinghe (6/09 – 8/09)

Ph. D. Qualifying Examination/Dissertation Committees:

2002-2005	Christopher Cunningham, Department of Pharmacology & Toxicology, University of Louisville
2002-2005	Anwar Hussein, Department of Pharmacology & Toxicology, University of Louisville
2003-2005	Paul C. Porter, Department of Pharmacology & Toxicology, University of Louisville
2003-2004	Yuanqi Zhu, Department of Pharmacology & Toxicology, University of Louisville
2003-2006	Yu (Janet) Zang, Department of Pharmacology & Toxicology, University of Louisville
2003-2007	B. Frazier Taylor, Department of Pharmacology & Toxicology, University of Louisville
2004-2007	Kristin Metry, Department of Pharmacology & Toxicology, University of Louisville
2005-2007	Samuel C. McNeely, Department of Pharmacology & Toxicology, University of Louisville
2005-2007	Jason Walraven, Department of Pharmacology & Toxicology, University of Louisville
2005-2007	Michal Czajkowski, Department of Mathematics, University of Louisville
2005-2008	Xiaoyan (Susan) Zhang, Department of Pharmacology & Toxicology, University of Louisville
2005-2009	John Philipose, Department of Pharmacology & Toxicology, University of Louisville
2005-2008	Nicholas Watson, Department of Pharmacology & Toxicology, University of Louisville

2007-2011	Erica N. Rogers, Department of Pharmacology & Toxicology, University of Louisville
2008-2011	Lori Millner, Department of Pharmacology & Toxicology, University of Louisville
2008-2011	Lindsay Jay Stallons, Department of Pharmacology & Toxicology, University of Louisville
2008-2011	Clarisse S. Muenyi, Department of Pharmacology & Toxicology, University of Louisville
2009-2011	Ntube O. Ngalame, Department of Pharmacology & Toxicology, University of Louisville
2009-2011	Scott C. Smith, Department of Anatomy and Neurobiology, University of Louisville
2010-2012	Carmine Leggett, Department of Pharmacology & Toxicology, University of Louisville
2010-2012	Robin H. Schmidt, Department of Pharmacology & Toxicology, University of Louisville
2010	Mayukh Bannerjee, Jadavpur University, External PhD dissertation reviewer
2011-2012	Colins Eno, Department of Pharmacology & Toxicology, University of Louisville
2011-2014	Robin H. Schmidt, Department of Pharmacology & Toxicology, University of Louisville
2011-2014	Justin Hallgren, Department of Pharmacology & Toxicology, University of Louisville
2011-2014	Banrida Wahlang, Department of Pharmacology & Toxicology, University of Louisville
2012-2014	Veronica Massey, Department of Pharmacology & Toxicology, University of Louisville
2014-2017	Marcus Stepp, Department of Pharmacology & Toxicology, University of Louisville
2014-2016	Christopher Shidal, Department of Pharmacology & Toxicology, University of Louisville
2015-2016	Cynthia Browning, School of Biomedical Sciences and Engineering, University of Maine
2015- 2017	Laila Al-Eryani, Department of Pharmacology & Toxicology, University of Louisville
2015-2017	Stephen Wechman, Department of Pharmacology & Toxicology, University of Louisville
2015-2018	Samantha M. Carlisle, Department of Pharmacology & Toxicology, University of Louisville
2015-2018	Hongxue Shi, Department of Pharmacology & Toxicology, University of Louisville
2015-2017	Lauren Poole Hardy, Department of Pharmacology & Toxicology, University of Louisville
2016-2017	Collin Stocke, Department of Environmental and Occupational Health, School of Public Health and Information Sciences, University of

Louisville
2016-2020 Haiyan Yu, Department of Pharmacology & Toxicology, University of Louisville
2016-2017 Yihong Li, Department of Pharmacology & Toxicology, University of Louisville
2016-2020 Yuxuan Zheng, Department of Pharmacology & Toxicology, University of Louisville
2017-2018 J. Mason Hoffman, Department of Pharmacology & Toxicology, University of Louisville
2017-2020 Jamie L. Young, Department of Pharmacology & Toxicology, University of Louisville
2017-2020 Rachel Speer, Department of Pharmacology & Toxicology, University of Louisville
2018-2021 Christine Kim, Department of Pharmacology & Toxicology, University of Louisville
2018-2020 Jennifer Toyoda, Department of Pharmacology & Toxicology, University of Louisville

M.S. Thesis Committees:

2001-2003 Paul C. Porter, Department of Pharmacology & Toxicology, University of Louisville
2002-2003 Denise Clark, Department of Pharmacology & Toxicology, University of Louisville
2002-2003 Yuanqi Zhu, Department of Pharmacology & Toxicology, University of Louisville
2002-2003 Yu (Janet) Zang, Department of Pharmacology & Toxicology, University of Louisville
2003-2005 Samuel C. McNeely, Department of Pharmacology & Toxicology, University of Louisville
2003-2005 Nicholas Watson, Department of Pharmacology & Toxicology, University of Louisville
2004-2005 Kristin Metry, Department of Pharmacology & Toxicology, University of Louisville
2004-2005 Jason Walraven, Department of Pharmacology & Toxicology, University of Louisville
2004-2005 Xiaoyan (Susan) Zhang, Department of Pharmacology & Toxicology, University of Louisville
2006-2007 Erica N. Rogers, Department of Pharmacology & Toxicology, University of Louisville
2007-2008 Lori Millner, Department of Pharmacology & Toxicology, University of Louisville
2007-2008 Lindsay Jay Stallons, Department of Pharmacology & Toxicology, University of Louisville
2007-2008 Clarisse S. Muenyi, Department of Pharmacology & Toxicology, University of Louisville
2008-2009 Ntube O. Ngalame, Department of Pharmacology & Toxicology,

University of Louisville

2009-2010 Matthew R. Zajack, Department of Pharmacology & Toxicology, University of Louisville

2009-2010 Carmine Leggett, Department of Pharmacology & Toxicology, University of Louisville

2010-2011 Robin H. Schmidt, Department of Pharmacology & Toxicology, University of Louisville

2011-2012 Banrida Wahlang, Department of Pharmacology & Toxicology, University of Louisville

2011-2012 Veronica Massey, Department of Pharmacology & Toxicology, University of Louisville

2012-2014 Laila Al-Eryani, Department of Pharmacology & Toxicology, University of Louisville

2012-2015 Samantha M. Carlisle, Department of Pharmacology & Toxicology, University of Louisville

2013-2015 Steven Wechman, Department of Pharmacology & Toxicology, University of Louisville

2013-2014 Christopher Shidal, Department of Pharmacology & Toxicology, University of Louisville

2013-2014 Marcus Stepp, Department of Pharmacology & Toxicology, University of Louisville

2014-2015 Lauren Poole, Department of Pharmacology & Toxicology, University of Louisville

2014-2015 Tess Dupre, Department of Pharmacology & Toxicology, University of Louisville

2015-2017 J. Mason Hoffman, Department of Pharmacology & Toxicology, University of Louisville

2015-2018 Jamie L. Young, Department of Pharmacology & Toxicology, University of Louisville

2016-2017 Rachel Speer, Department of Pharmacology & Toxicology, University of Louisville

2016-2018 Christine Kim, Department of Pharmacology & Toxicology, University of Louisville

2017-2018 Jennifer Toyoda, Department of Pharmacology & Toxicology, University of Louisville

2018-2021 Angeliki Lykoudi, Department of Pharmacology & Toxicology, University of Louisville

Wayne State University

Course director

1995/1996 Molecular Mechanisms of DNA Repair and Mutagenesis (CB 868, Co-directed)

Lectures in team-taught courses:

1991 Molecular Biology of Cancer (MBG 712/CB 702/PHM 706)

1991	Genetic Training (MBG 703)
1993	Molecular Biology of Cancer (MBG 712/CB 702/PHM 706)
1993	Carcinogenesis and Mutagenesis (PHM 771/CHM 869)
1995	Advanced Molecular Biology (MBG 702)
1995	Principles of Toxicology (MTX701)
1995	Cancer Biology Survey II (CB712)
1996	Principles of Toxicology (MTX701)
1996	Cancer Biology Survey II (CB712)
1997	Principles of Toxicology (MTX701)
1997	Cancer Biology Survey II (CB712)
1998	Principles of Toxicology (MTX7010)
1998	Cancer Biology Survey II (CB7120)

Essays/Theses/Dissertations directed:

Robert S. Topping, M. S. in Molecular Biotechnology, Cloning the Human XPA Gene, 1993

Thomas R. McKeown, M. S. in Molecular Biotechnology, Complementation of XP Cells with cDNA Expression Vectors, 1994

Scott P. Myrand, M. S. in Molecular Biotechnology, Role of the XPA Gene Product in UV Mutagenesis, 1995

Ph. D. Qualifying Examination/Dissertation Committees:

1992-1995	Xiao-Dong Lu, Department of Pharmacology & Toxicology, Wayne State University
1992-1995	Wen-Ya Huang, Department of Biological Sciences, Wayne State University
1993	Panagiotis Z. Anastasiadis, Department of Psychiatry, Wayne State University
1993-1995	Houmam Araj, Department of Biological Sciences, Wayne State University
1993-1995	Seema Kantak, Cancer Biology, Wayne State University
1993-1997	Carol Jones, Cancer Biology, Wayne State University
1998-1999	Meng Guo, Cancer Biology, Wayne State University
1999-1999	Song Li, Biochemistry, Wayne State University

Laboratory training:(12/88 - 8/99)

Research Associates/Post-doctoral fellows: 4
Ph. D. Students: 4
Master's Students: 3
Undergraduates: 4
High School Students: 12
High School Teachers: 5
Research Assistants: 7

Children's Hospital Research Foundation/University of Cincinnati:

Laboratory training (11/84 - 11/88):

Residents/Post-doctoral Fellows: 4
Ph. D. Students: 1
Research Assistants: 3

PUBLICATIONS:

Articles published in refereed journals:

1. States, JC and K Janakidevi, "Poly(ADP-ribose) Polymerase Activity of Aortic Nuclei from Swine on Hyperlipemic Diet", *J. Molec. Cellul. Cardiol. 14*: 63-70 (1982)
2. States, JC, W Connor, MA Wosnick, JM Aiken, L Gedamu, and GH Dixon, "Nucleotide Sequence of a Protamine CII Gene of Salmo gairdnerii", *Nucleic Acids Res. 10*: 4551-4563 (1982)
3. Aiken, JM, D McKenzie, H-Z Zhao, JC States and GH Dixon, "Sequence Homologies in the Protamine Gene Family of Rainbow Trout", *Nucleic Acids Res. 11*: 4907-4922 (1983)
4. States, JC and K Janakidevi, "Increased Thermal Stability of Solubilized Chromatin After Poly(ADP-ribose) Synthesis" *Bioscience Rep. 3*: 847-856 (1983)
5. Connor, W, J Mezquita, RJ Winkfein, JC States and GH Dixon, "Organization of the Histone Genes in the Rainbow Trout (Salmo gairdnerii)", *J. Molec. Evol. 20*: 227-235 (1984)
6. Connor, W, JC States, J Mezquita and GH Dixon, "Organization and Nucleotide Sequence of Rainbow Trout Histone H2A and H3 Genes", *J. Molec. Evol. 20*: 236-250 (1984)
7. Blanco, J, JC States and GH Dixon, "General Method for Isolation of DNA Sequences that Interact with Specific Nuclear Proteins in Chromosomes: Binding of High Mobility Group Protein HMG-T to a Subset of the Protamine Gene Family", *Biochem. 24*: 8021-8028 (1985)
8. Krawetz, SA, JC States and GH Dixon, "Isolation and Fractionation of Total Nucleic Acids from Tissues and Cells", *J. Biochem. Biophys. Methods 12*: 29-36 (1986)
9. Jankowski, J, JC States and GH Dixon, "Evidence of Sequences Resembling Avian Retrovirus Long Terminal Repeats (LTR's) Flanking the Trout Protamine Gene", *J. Molec. Evol. 23*: 1-10 (1986)
10. Wiginton, DA, DJ Kaplan, JC States, AL Akeson, CM Perme, IJ Bilyk, AJ Vaugh, DL Lattier, and JJ Hutton, "Complete Sequence and Structure of the Gene for Human Adenosine Deaminase", *Biochem. 25*: 8234-8245 (1986)
11. Markert, ML, DA Wiginton, JC States, RH Buckley, MS Hershfield, FE Ward, RE Kaufman and JJ Hutton, "Identification of a Deletion in the Adenosine Deaminase Gene in a Child with Severe Combined Imunodeficiency", *J. Immunol. 138*: 3203-3206 (1987)
12. Akeson, AL, DA Wiginton, JC States, CM Perme, MR Dusing and JJ Hutton, "Mutations in the Human Adenosine Deaminase Gene that Affect Protein Structure and RNA Splicing", *Proc. Natl. Acad. Sci. (USA) 84*: 5947-5951 (1987)
13. Markert, ML, JJ Hutton, DA Wiginton, JC States and RE Kaufman, "Adenosine Deaminase (ADA) Deficiency Due to Deletion of the ADA Gene Promoter and First Exon by Homologous Recombination between Two Alu Elements", *J. Clin. Invest. 81*: 1323-1327 (1988)

14. Winkfein, RJ, RD Moir, SA Krawetz, J Blanco, JC States and GH Dixon, "A New Family of Repetitive, Retroposon-Like Sequences in the Genome of the Rainbow Trout", *Eur. J. Biochem. 176*: 255-264 (1988)
15. Akeson, AL, DA Wiginton, MR Dusing, JC States and JJ Hutton, "Mutant Human Adenosine Deaminase Alleles and Their Expression by Transfection into Fibroblasts", *J. Biol. Chem. 263*: 16291-16296 (1988)
16. Lattier, DL, JC States, JJ Hutton and DA Wiginton, "Cell Type-Specific Transcriptional Regulation of the Human Adenosine Deaminase Gene", *Nucleic Acids Res. 17*: 1061-1076 (1989)
17. Kim, SG, SE Shehin, JC States and RF Novak, "Evidence for Increased Translational Efficiency in the Induction of P450IIE1 by Solvents: Analysis of P450IIE1 mRNA Polyribosomal Distribution", *Biochem. Biophys. Res. Commun. 172*: 767-774 (1990)
18. States, JC, Gebauer, BK and ED Berberoglu, "Rapid PCR-Based Analysis of DNA Fragments Cloned in LacZ Vectors", *Technique 5*: 246-253 (1990)
19. Kim, SG, S Reddy, JC States and RF Novak, "Pyridine Effects on Expression and Molecular Regulation of the Cytochrome P450 IA Gene Subfamily", *Molec. Pharmacol. 40*: 52-57 (1991)
20. States, JC, LR Patel and Q Li, "A Gel Electrophoresis System for Resolving Over 500 Nucleotides with a Single Sample Loading", *Biotechniques 11*: 46-48 (1991)
21. Freeman, BC and JC States, "An STS in the Human Adenosine Deaminase Gene (Located 20q12-q13.1)", *Nucleic Acids Res. 19*: 5084 (1991)
22. Freeman, BC and JC States, "An STS in the Human Cytoskeletal γ-Actin Gene", *Nucleic Acids Res. 19*: 5085 (1991)
23. Freeman, BC and JC States, "An STS in the Human Skeletal α-Actin Gene", *Nucleic Acids Res. 19*: 5086 (1991)
24. States, JC, TH Quan, RN Hines, RF Novak and M Runge-Morris, "Expression of Human Cytochrome P450 1A1 in DNA Repair Deficient and Proficient Human Fibroblasts Stably Transformed with an Inducible Expression Vector", *Carcinogenesis 14*: 1643-1649 (1993)
25. Quan, TH, JJ Reiners, AO Bell, N Hong and JC States, "Cytotoxicity and Genotoxicity of (□)-Benzo(*a*)pyrene-*trans*-7,8-dihydrodiol in CYP1A1-Expressing Human Fibroblasts quantitatively correlate with CYP1A1 expression level", *Carcinogenesis 15*: 1827-1832 (1994)
26. Quan, TH, JJ Reiners, Jr, SJ Culp, P Richter and JC States, "Differential Mutagenicity and Cytotoxicity of (□)-Benzo(*a*)pyrene-*trans*-7,8-dihydrodiol and (□)-*anti*-Benzo(*a*)pyrene-*trans*-7,8-dihydrodiol-9,10-epoxide in Genetically Engineered Human Fibroblasts", *Molecular Carcinogenesis 12*: 91-102 (1995).
27. Topping, RS, SP Myrand, BL Williams, JC Albert and JC States, "Characterization of the Human XPA Promoter", *Gene 166*: 341-342 (1995)
28. Anastasiadis, PZ, JC States, BA Imerman, MC Louie, DM Kuhn and RA Levine, "Mitogenic Effects of Tetrahydrobiopterin in PC12 Cells", *Molec. Pharmacol. 49*:149-155 (1996)
29. Quan, TH and JC States, "Preferential DNA Damage in p53 Gene by Benzo(a)pyrene Metabolites in CYP1A1-Expressing Xeroderma Pigmentosum Group A Cells", *Molecular Carcinogenesis 16*: 32-43 (1996)
30. States, JC and SP Myrand, "Splice Site Mutations in a Xeroderma Pigmentosum Group A Patient with Delayed Onset of Neurological Disease", *Mutat. Res. 363*: 171-177 (1996)

31. Myrand, SP, RS Topping and JC States, "Stable Transformation of Xeroderma Pigmentosum Group A Cells with an XPA Minigene Restores Normal Dna Repair and Mutagenesis of UV-Treated Plasmids" *Carcinogenesis 17*: 1907-1919 (1996)
32. D'Sa, C, R Arthur, JC States and DM Kuhn, "Tryptophan Hydroxylase: Cloning and Expression of the Native Brain Enzyme in Mammalian Cells", *J. Neurochem. 67*: 900-906 (1996)
33. States, JC and E Reed "Enhanced XPA mRNA Levels in Cisplatin-resistant Human Ovarian Cancer Are Not Associated with XPA Mutations or Gene Amplification", *Cancer Letters 109*: 233-237 (1996)
34. Kuhn, DM, R Arthur Jr and JC States "Phosphorylation and Activation of Brain Tryptophan Hydroxylase: Identification of Serine-58 as a Substrate Site for Protein Kinase A", *J. Neurochem. 68*: 2220-2223 (1997)
35. Cleaver, JE and JC States, "The DNA Damage Recognition Problem in Human and Other Eukaryotic Cells: the XPA Damage Binding Protein", *Biochem. J. 328*: 1-12 (1997)
36. States, JC, ER McDuffie, SP Myrand, McDowell, M. and JE Cleaver "Distribution of Mutations in the Human XPA Gene and Their Relationships to the Functional Regions of the DNA Damage Recognition Protein", *Human Mutation 12*: 103-113 (1998)
37. Cleaver, JE, Thompson LH, Richardson, AS, States, JC, " A Summary of Mutations in the UV-sensitive disorders: Xeroderma Pigmentosum, Cockayne Syndrome and Trichothiodystrophy", *Human Mutation 14*: 9-22 (1999).
38. Waalkes, MP, Fox, DA, States, JC, Patierno, SR and McCabe, MJ Jr, " Metals and Disorders of Cell Accumulation: Modulation of Apoptosis and Cell Proliferation ", *Toxicolog. Sci. 56*: 255-261 (2000).
39. McCabe, MJ, Jr, Singh, K, Reddy, SA, Chelladurai, B, Pounds, JG, Reiners, JJ, Jr and States, JC "Sensitivity of Myelomonocytic Leukemia Cells to Arsenite-induced Cell Cycle Disruption, Apoptosis and Enhanced Differentiation on the Inter-Relationship Between Arsenic Concentration, Duration of Treatment and Cell Cycle Phase", *J. Pharmacol. Exp. Therap. 295*: 724-733 (2000).
40. Lu, Y, Mani, S, Kandimalla, ER, Yu, D., Agrawal, S, States, JC and Bregman, DB "Targeting the Cockayne Syndrome Group B Protein with Antisense Oligonucleotides Sensitizes Ovarian Carcinoma Cells to Cisplatin, Oxaliplatin, or Ionizing Radiation", *Internatl. J. Oncol. 19*: 1089-1097 (2001).
41. States JC, Reiners JJ Jr, Pounds JG, Kaplan DJ, Beauerle BD, McNeely SC, Mathieu P, McCabe MJ Jr. Arsenite disrupts mitosis and induces apoptosis in SV40-transformed human skin fibroblasts. Toxicol Appl Pharmacol. 2002 Apr 15;180(2):83-91. Erratum in: Toxicol Appl Pharmacol 2002 Sep 1;183(2):152.
42. Mellon I, Hock T, Reid R, Porter PC, States JC. Polymorphisms in the human xeroderma pigmentosum group A gene and their impact on cell survival and nucleotide excision repair. DNA Repair 1:531-46 (2002).
43. Jiang, G, Skorvaga, M, Van Houten, B and States, JC. "Reduced sulfhydryls maintain specific incision of BPDE-DNA adducts by recombinant thermoresistant *B. caldotenax* UvrABC endonuclease", *Protein Expression and Purification* 31: 88-98 (2003)
44. Vonderheide, AP, Meija, J, Tepperman, K, Puga, A, Pinhas, AR, States, JC and Caruso, JA. "Retention of Cr(III) by High-Performance Chelation Ion Chromatography Interfaced to Inductively-Coupled Plasma-Mass Spectrometric Detection with Collision Cell", *J. of Chromatography A* 1024(1-2):129-137 (2004)

45. Jiang G, Jankowiak R, Grubor N, Banasiewicz M, Small GJ, Skorvaga M, Van Houten B, States JC. Supercoiled DNA promotes formation of intercalated cis-N2-deoxyguanine adducts and base-stacked trans-N2-deoxyguanine adducts by (+)-7R,8S-dihydrodiol-9S,10R-epoxy-7,8,9,10-tetra- hydrobenzo[a]pyrene. Chem Res Toxicol. 17:330-339 (2004)
46. Husain, A, Barker, DF, States, JC, Doll, MA and Hein, DW. "Identification of the major promoter and non-coding exons of the human arylamine N-acetyltransferase 1 gene (*NAT1*)", *Pharmacogenetics* 14:397-406 (2004)
47. Zang,Y, Zhao, S, Doll, MA, States, JC and Hein, DW. "The $T^{341}C$ (Ile114Thr) polymorphism of N-acetyltransferase 2 yields slow acetylator phenotype by enhanced protein degradation", *Pharmacogenetics* 14: 717-723 (2004)
48. Porter PC, Mellon I, States JC. XP-A cells complemented with Arg228Gln and Val234Leu polymorphic XPA alleles repair BPDE-induced DNA damage better than cells complemented with the wild type allele. DNA Repair 4 :341-349.(2005)
49. McCollum, G, Keng, PC, States, JC, McCabe, MJ, Jr. (2005) Arsenite delays progression through each cell cycle phase and induces apoptosis following G2/M arrest in U937 myeloid leukemia cells, *J. Pharmacol. Exp. Ther. 313*, 877-887.
50. Jiang, GH, Skorvaga, M, Croteau, DL, Van Houten, B, States, JC. (2006) Robust incision of Benoz[a]pyrene-7,8-dihyrodiol-9,10-epoxide-DNA adducts by a recombinant thermoresistant interspecies combination UvrABC endonuclease system, *Biochemistry 45*, 7834-7843.
51. Porter, PC, Clark, DR, McDaniel, LD, McGregor, WG, States, JC. (2006) Telomerase-immortalized human fibroblasts retain UV-induced mutagenesis and p53-mediated DNA damage responses, *DNA Repair (Amst) 5*, 61-70.
52. Taylor, BF, McNeely, SC, Miller, HL, Lehmann, GM, McCabe, MJ, Jr., States, J. C. (2006) p53 suppression of arsenite-induced mitotic catastrophe is mediated by p21CIP1/WAF1, *J. Pharmacol. Exp. Ther. 318*, 142-151.
53. Barker DF, Husain A, Neale JR, Martini BD, Zhang X, Doll MA, States JC and Hein DW. "Functional properties of an alternative, tissue-specific promoter for human arylamine N-acetyltransferase 1" *Pharmacogenetics and Genomics 16*:515-525 (2006)
54. O'Brien TJ, Jiang G, Chun G, Mandel HG, Westphal C, Kahen K, Montaser A, States JC and Patierno SR. "Incision of trivalent chromium [Cr(III)]-induced DNA damage by *Bacillus caldotenax* UvrABC endonuclease" *Mutation Research / Genetic Toxicology and Environmental Mutagenesis* 610:85-92 (2006)
55. McNeely, SC, Xu, X, Taylor, BF, Zacharias, W, McCabe, MJ, Jr., States, JC. (2006) Exit from arsenite-induced mitotic arrest is p53 dependent, *Environ. Health Perspect. 114*, 1401-1406. PMC1570045
56. Metry, KJ, Zhao, S, Neale, JR, Doll, MA, States, JC, McGregor, WG, Pierce,Jr, WM and Hein, DW. "2-Amino-1-methyl-6-phenylimidazo [4,5-b] pyridine - induced DNA adducts and genotoxicity in Chinese Hamster Ovary (CHO) cells expressing human CYP1A2 and rapid or slow acetylator N-acetyltransferase 2" *Molecular Carcinogenesis* 46:553-563 (2007)
57. Srivastava, S, D'Souza, SE, Sen, U and States, JC. *In utero* arsenic exposure induces early onset of atherosclerosis in $ApoE^{-/-}$ mice. *Reproductive Toxicology (special issue Fetal Basis of Adult Disease)* 23:449-56 (2007)
58. Husain, A, Zhang, X, Doll, MA, States, JC, Barker, JC and Hein, DW. Identification of N-Acetyltransferase 2 (NAT2) Transcription Start Sites and Quantitation of NAT2-specific

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Cell Migration, Cytoskeleton Remodeling and Carcinogenesis Pathways. Research!Louisville, University of Louisville, Louisville, KY (2015)

184. Carlisle S, Patrick Trainor P, Zhang C, Yin X, Doll M, States JC, Hein DW. Investigating Pathway Changes Associated with Varying Levels of Human Arylamine N-Acetyltransferase 1 (NAT1) Activity in MDA-MB-231 Breast Cancer Cells. Research!Louisville, University of Louisville, Louisville, KY (2015)
185. Hoffman JM, Al-Eryani L, Saforo D, Taylor BF, Trent JO, Garbett NC, States JC. Purification of the C-terminal Domain of ANAPC2 and Evidence Supporting the Interaction of Lead Compounds for Inhibition of Mitosis. Research!Louisville, University of Louisville, Louisville, KY (2015)
186. Wu J, Al-Eryani L, States V, Hoffman J, Doll M, Wise S, Rai S, Galandiuk S, Giri AK, States JC. Overexpression of miR-186 induces polyploidization in HaCaT cell line. Research!Louisville, University of Louisville, Louisville, KY (2015)
187. Jenkins S, Al-Eryani L, States JC. Chronic Low Level Arsenite Exposure Induces Matrix Remodeling Pathways In Human Keratinocytes. Research!Louisville, University of Louisville, Louisville, KY (2015)
188. Al-Eryani L, Jenkins S, Sabine Waigel S, States V Arumugam V, Rai S Galandiuk S,Giri AK, States JC. Differential miRNA and mRNA Expression in Immortalized Human Keratinocytes (HaCaT) after Low Arsenic Exposure Suggest Changes in Cell Proliferation, Cell Migration, Cytoskeleton Remodeling and Carcinogenesis Pathways. Ohio Valley Chapter Society of Toxicology, Northern Kentucky University, Highland Heights, KY (2015)
189. Hoffman JM, Al-Eryani L, Saforo D, Taylor BF, Trent JO, Garbett NC, States JC. Purification of the C-terminal Domain of ANAPC2 and Evidence Supporting the Interaction of Lead Compounds for Inhibition of Mitosis. Ohio Valley Chapter Society of Toxicology, Northern Kentucky University, Highland Heights, KY (2015)
190. Wu J, Al-Eryani L, States V, Hoffman J, Doll M, Wise S, Rai S, Galandiuk S, Giri AK, States JC. Overexpression of miR-186 induces polyploidization in HaCaT cell line. Ohio Valley Chapter Society of Toxicology, Northern Kentucky University, Highland Heights, KY (2015)
191. Al-Eryani L, Waigel S, Jenkins S, Arumugam V, States JC. Induction of Cell Cycle Pathways in Human Keratinocytes at Early Stages of Chronic Exposure to Low Arsenite. Research!Louisville, University of Lousiville, Lousiville, KY, October 11-14, 2016
192. Gordon C, Stocke C, Al-Eryani L, States VAR, Rai SN, Galandiuk S, Giri AK, States JC. Arsenic Exposure Inhibits ZRANB2 Function, Research!Louisville, University of Lousiville, Lousiville, KY, October 11-14, 2016
193. Hoffman JM, Wainscott N, Taylor BF, Trent JO, States JC. Recombinant ANAPC2 Displays Multiple Internal Start Sites and Compounds Targeting ANAPC2 Decrease Proliferation of Lung Cancer Cells in vitro, Research!Louisville, University of Lousiville, Lousiville, KY, October 11-14, 2016
194. Stocke C, Al Eryani L, Gordon C, States V, Rai S, Galandiuk S, Giri A, States JC. Arsenic Induces Functional Changes of ZRANB2 and Expression of hsa-miR-186. Research!Louisville, University of Lousiville, Lousiville, KY, October 11-14, 2016
195. Hoffman JM, Wainscott N, Taylor BF, Trent JO, States JC. Recombinant ANAPC2 Displays Multiple Internal Start Sites and Compounds Targeting ANAPC2 Decrease Proliferation of Lung Cancer Cells in vitro. University of Kentucky Markey Cancer Center

and University of Louisville Brown Cancer Center Lung Cancer Symposium, UK, Lexington, KY October 15, 2016

196. Al-Eryani L, Waigel S, Jenkins S, Arumugam V, States JC. Induction of Cell Cycle Pathways in Human Keratinocytes at Early Stages of Chronic Exposure to Low Arsenite. Ohio Valley Regional Chapter Society of Toxicology, Eli Lilly & Co., October 28, 2016
197. Hoffman JM, Wainscott N, Taylor BF, Trent JO, States JC. Recombinant ANAPC2 Displays Multiple Internal Start Sites and Compounds Targeting ANAPC2 Decrease Proliferation of Lung Cancer Cells in vitro, Ohio Valley Regional Chapter Society of Toxicology, Eli Lilly & Co., October 28, 2016
198. Stocke C, Al Eryani L, Gordon C, States V, Rai S, Galandiuk S, Giri A, States JC. Arsenic Induces Functional Changes of ZRANB2 and Expression of hsa-miR-186. Ohio Valley Regional Chapter Society of Toxicology, Eli Lilly & Co., October 28, 2016
199. Hoffman JM, Bagah-Kognagba MJ, Taylor BF, Trent JO, States JC. Targeting the Major Regulator of Mitosis for Cancer Chemotherapy. Research!Louisville, University of Louisville, Louisville, KY, September 11-15, 2017
200. Knear-Bell RN, Al-Eryani L, States V, Rai SN, Pan J, Kalbfleish T, States JC. Arsenic-Induced Fluctuations in miR-186 Expression and ZRANB2 Directed Splicing. Research!Louisville, University of Louisville, Louisville, KY, September 11-15, 2017
201. Young JL, Burke TJ, Watson WH, Freedman J, Arteel GE, States JC. A Model to Study the Effects of Early Life Chronic Exposure to Arsenic and Cadmium on the Development of Adult Cardiometabolic Syndrome. Research!Louisville, University of Louisville, Louisville, KY, September 11-15, 2017
202. Bagah-Kognagba MJ, Hoffman JM, Taylor BF, Trent JO, States JC. The Anaphase Promoting Complex: A Novel Target In Cancer Therapy. Research!Louisville, University of Louisville, Louisville, KY, September 11-15, 2017
203. Hoffman JM, Bagah-Kognagba MJ, Taylor BF, Trent JO, States JC. Targeting the Major Regulator of Mitosis for Cancer Chemotherapy. Ohio Valley Chapter Society of Toxicology, Purdue University, West Lafayette, IN, December 1, 2017
204. Knear-Bell R, Cardoso APFC, Al-Eryani L, Kalbfleisch T, Pan J, Rai S, States JC. Arsenic Induced mTOR Dysregulation Promoting Squamous Cell Carcinoma. Research!Louisville, University of Louisville, Louisville, KY, October 9-12, 2018
205. Davis J, Banerjee M, States JC. Optimization of Expression of Tag-Free Zinc Finger Peptides of ZRANB2Research!Louisville, University of Louisville, Louisville, KY, October 9-12, 2018
206. Sanders A, Banerjee M, Cardoso A, Al-Eryani L, Sayed M, Park J, States JC. Chronic Arsenic Exposure Leads to Altered Splicing Events in a HaCaT Cell Model of Squamous Cell Carcinoma. Research!Louisville, University of Louisville, Louisville, KY, October 9-12, 2018
207. Cardoso APF, Wu J, States VAR, Al-Eryani L, Wise SS, States JC. Overexpression of hsa-miR-186 suppresses BUB1 and induces chromosome numerical and structural abnormalities in arsenic-exposed and non-exposed HaCaT cells. Research!Louisville, University of Louisville, Louisville, KY, October 9-12, 2018
208. Watson WH, Young JL, Burke TJ, Kalbfleisch T, Cai L, States JC, Arteel GE, Freedman J. Sexually dimorphic hepatic responses to environmental arsenic exposure in a mouse model of non-alcoholic fatty liver disease. Research!Louisville, University of Louisville, Louisville, KY, October 9-12, 2018

209. Banerjee M, Cardoso APF, Al-Eryani L, Sayed M, Park JW, Rai SN, Pan J, States JC. Chronic Arsenic Exposure in a HaCaT Cell Model of Squamous Cell Carcinoma:
210. Altered Splicing Events or Selection of Clones with Specific Isoforms? Ohio Valley Chapter Society of Toxicology, University of Louisville, Louisville, KY, November 30, 2018
211. Cardoso APF, Banerjee M, Al-Eryani L, Sayed M, Park JW, States JC. Alternative splicing events and RT-PCR analysis of SHC1 in arsenic exposed human keratinocytes. Ohio Valley Chapter Society of Toxicology, University of Louisville, Louisville, KY, November 30, 2018
212. Frye WJE, Cardoso APF, Banerjee M, Al-Eryani L, Sayed M, Park JW, States JC. Alternative Splicing Events Induced In Human Keratinocytes by Chronic Arsenic Exposure and Its Protein Levels. Ohio Valley Chapter Society of Toxicology, University of Louisville, Louisville, KY, November 30, 2018
213. Cardoso APF, Banerjee M, Al-Eryani L, Sayed M, Park J, States JC. Alternative splicing events and RT-PCR analysis of SHC1 in arsenic exposed human keratinocytes. Research!Louisville, University of Louisville, Louisville, KY, September 10-13, 2019
214. Banerjee M, Wilkey DW, Watson WH, Garbett NC, Merchant ML, States JC. Arsenite can displace zinc from the zinc finger domains of alternative splicing regulator ZRANB2. Research!Louisville, University of Louisville, Louisville, KY, September 10-13, 2019
215. Crider K, Banerjee M, Al-Eryani L, Ceresa B, States JC. Chronic Arsenic Exposure Suppresses EGFR Activity in the Early Stages of Squamous Cell Carcinoma. Research!Louisville, University of Louisville, Louisville, KY, September 10-13, 2019
216. Lykoudi A, Cardoso APF, Wu J, Wise SS, States JC. Overexpression of hsa-miR-186 induces anchorage-independent growth and chromosomal alterations in arsenic exposed human keratinocytes: A preliminary study. Research!Louisville, University of Louisville, Louisville, KY, September 10-13, 2019
217. Sparling N, Cardoso APF, Banerjee M, Wu J, States JC. Arsenic and hsa-miR-186 Overexpression Impair the DNA Damage Response Pathway in Human Keratinocytes. Research!Louisville, University of Louisville, Louisville, KY, September 10-13, 2019
218. Ferragut Cardoso AP, Banerjee M, Wilkey D, Al-Eryani L, Sayed M, Park JW, Merchant M, States JC. Alternative Splicing as a Key Mechanism in Arsenic-Induced Squamous Cell Carcinoma: Evidence from RNA-Seq and Proteomic Analysis. Ohio Valley Chapter Society of Toxicology, Proctor & Gamble, Mason, OH, October 18, 2019
219. Lykoudi A, Ferragut Cardoso AP, Wu J, Wise SS, States JC. Overexpression of hsa-miR-186 induces anchorage-independent growth and chromosomal alterations in arsenic-exposed human keratinocytes: A preliminary study. Ohio Valley Chapter Society of Toxicology, Proctor & Gamble, Mason, OH, October 18, 2019
220. Banerjee M , Ferragut Cardoso AP, Lykoudi A, Wilkey DW , Watson WH , Garbett NC, Merchant M , Pan J , Rai SN, States JC. Arsenite can Displace Ainc from the Zinc Finger Domains of Alternative Splicing Regulator ZRANB2. Ohio Valley Chapter Society of Toxicology, Proctor & Gamble, Mason, OH, October 18, 2019
221. Lykoudi A, Ferragut Cardoso AP, Wise SS, States JC. MiR-186 overexpression exacerbates the arsenic-induced chromosomal instability associated with skin carcinogenesis. Ohio Valley Chapter Society of Toxicology, University of Louisville, Louisville, KY, November 1, 2020
222. Ferragut Cardoso AP, Banerjee M, Al-Eryani L, Sayed M, Park JW, States JC. Chronic Arsenic Exposure Induces Unique Alternative Splicing Landscapes at Each Stage of

Cutaneous Squamous Cell Carcinoma Development. Ohio Valley Chapter Society of Toxicology, University of Louisville, Louisville, KY, November 1, 2020

223. Banerjee M, Ferragut Cardoso A, Al-Eryani L, Kalbfleisch TS, Srivastava S, Pan J, Rai SN, States JC. Longitudinal Dynamic Transcriptome Changes in a HaCaT Cell Line Model of Arsenic-induced Squamous Cell Carcinogenesis. Research!Louisville, University of Louisville, Louisville, KY, October 28, 2021
224. Ferragut Cardoso A, States JC. miR-186 Overexpression Suppresses BUB1 and CDC27 in Immortalized Human Keratinocytes. Research!Louisville, University of Louisville, Louisville, KY, October 27, 2021
225. Nail AN, McCaffrey LM, Ferragut Cardoso A, Banerjee M, States JC. Reduced DNA Damage Response Activation in Keratinocytes Chronically Exposed to Toxicologically Relevant Concentrations of Sodium Arsenite. Research!Louisville, University of Louisville, Louisville, KY, October 27, 2021
226. Frye WJ E, Banerjee M, Trent JO, States JC. Inhibiting the Anaphase Promoting Complex/ Cyclosome: An Innovative Approach for Cancer Chemotherapy. Research!Louisville, University of Louisville, Louisville, KY, October 27, 2021
227. Bastick III JC. Banerjee M, States JC. Zinc Mitigates Arsenic-Induced Dysregulation of ZRANB2 Splice Function. Research!Louisville, University of Louisville, Louisville, KY, October 26, 2021
228. Rogers MN, Ferragut Cardoso A, States JC. UV and Arsenic Exhibit Differential Modulation of MAPK Pathways in HaCaT and Ker-CT Cell Lines. Research!Louisville, University of Louisville, Louisville, KY, October 26, 2021
229. McCaffrey LM, Ferragut Cardoso A, Banerjee M, Nail AN, States JC. DNA Damage Response Dysregulation in Keratinocytes Chronically Treated with Low Dose Arsenic. Research!Louisville, University of Louisville, Louisville, KY, October 26, 2021
230. Ferragut Cardoso A, States JC. miR-186 Overexpression Suppresses BUB1 and CDC27 in Immortalized Human Keratinocytes. Ohio Valley Chapter Society of Toxicology, Virtual Meeting, November 5, 2021
231. Nail AN, McCaffrey LM, Ferragut Cardoso A, Banerjee M, States JC. Reduced DNA Damage Response Activation in Keratinocytes Chronically Exposed to Toxicologically Relevant Concentrations of Sodium Arsenite. Ohio Valley Chapter Society of Toxicology, Virtual Meeting, November 5, 2021

Invited seminars:

5/6/88 "Complementation of Xeroderma Pigmentosum Group A Cells", Department of Microbiology and Immunology, Albany Medical College, Albany NY

5/9/88 "A Quest for DNA Repair Genes", Department of Molecular Biology and Genetics, Wayne State University, Detroit MI

10/9/89 "DNA Excision Repair Genes", Department of Molecular Biology and Genetics, Wayne State University, Detroit MI

11/20/90 "Xeroderma Pigmentosum: A Paradigm DNA Repair Deficiency Disease", Department of Biological Sciences, Oakland University, Oxford MI

10/26/92 "Controlled Expression of Human Cytochrome P450 1A1: Stable Transformation of Xeroderma Pigmentosum and Normal Human Fibroblasts", Department of Biological Sciences, Wayne State University, Detroit MI

1/14/93 "Controlled Expression of Human Cytochrome P450 1A1: Stable Transformation of

Xeroderma Pigmentosum and Normal Human Fibroblasts", Lilly Research Laboratories, Eli Lilly & Company, Indianapolis, IN

3/9/93 "Benzo(a)pyrene metabolite cytotoxicity in human fibroblasts stably transformed with an inducible human CYP1A1 expresion construct", Department of Pharmaceutical Sciences, Wayne State University, Detroit, MI

12/8/94 "Genotoxicology of Benzo[a]pyrene Metabolites: It's all in the delivery", Department of Pharmacology & Toxicology and Toxicology, University of Arkansas for Medical Sciences, Little Rock, AR

9/19/95 "Dose Rate Effects on Benzo[a]pyrene Genotoxicology", Division of Investigative Toxicology, The Upjohn Company, Kalamazoo, MI

2/14/96 "Genotoxicology of Benzo[a]pyrene Metabolites in Genetically Engineered Human Cells", Department of Pharmacology & Toxicology, University of Michigan, Ann Arbor, MI

2/29/96 "Gene Specific DNA Damage, Shuttle Vector Mutagenesis and Mutation Characterization in Human Cells", Epoch Pharmaceuticals, Inc., Bothell, WA

10/10/96 "Dose Rate Alters Genotoxicity", Division of Otolaryngology/Head and Neck Surgery, Stanford University Medical Center, Stanford, CA

11/21/96 "XPA, DNA Repair and Chemotherapy", Karmanos Cancer Institute, Wayne State University, Detroit, MI

12/13/96 "Nucleotide Excision Repair, XPA and Chemotherapy", Department of Otolaryngology - Head and Neck Surgery, Boston University Medical Center, Boston, MA

1/3/97 "XPA, DNA Repair, and Chemotherapy", Department of Pharmacology & Toxicology and Toxicology, University of North Dakota School of Medicine and Health Sciences, Grand Forks, ND

1/9/97 "DNA Repair and Cancer Chemotherapy", Division of Environmental and Occupational Health, School of Public Health, University of Minnesota, Minneapolis, MN

9/5/97 "Nucleotide Excision Repair and Cancer Chemotherapy", Department of Pharmacology & Toxicology and Toxicology, University of Arkansas for Medical Sciences, Little Rock, AR

9/18/97 "DNA Repair, Chemoresistance and the Stress Response", Institute of Chemical Toxicology, Wayne State University, Detroit, MI

10/7/97 "DNA Damage by Bioactivated Xenobiotics", Department of Food & Nutrition Science, Wayne State University, Detroit, MI

1/20/98 "Metabolic Activation of Carcinogens: Dose Rate Effects in Mutagenesis and Cytotoxicity", Department of Otolaryngology, Wayne State University, Detroit, MI

2/23/98 "Dose Rate Dependence of DNA Damage in the p53 Gene by Benzo[a]pyrene Metabolites", Department of Pharmacology & Toxicology and Toxicology, Virginia Commonwealth University, Richmond, VA

5/28/98 "Dose Rate Effects on Gene Specific DNA Damage and Mutagenesis", Department of Pathology, Albany Medical College, Albany, NY

6/3/98 "Mutagenesis by benzo[a]pyrene Metabolites Involves Non-random DNA Damage", Department of Pathology, University of Pennsylvania School of Dental Medicine, Philadelphia, PA

10/30/98 "Dose Rate Dependence of Gene Specific DNA Damage by Benzo[*a*]pyrene

Metabolites", Department of Chemistry, Wayne State University, Detroit, MI
12/17/98 "DNA Damage by Bioactived Chemicals", Kresge Eye Institute, Wayne State University, Detroit, MI
3/25/99 “XPA and DNA Damage Recognition”, Department of Pharmacology & Toxicology and Toxicology, University of Louisville School of Medicine, Louisville, KY
5/9/00 “Genetics of XPA”, Center for Genetics and Molecular Medicine, University of Louisville School of Medicine, Louisville, KY
11/13/01 "Cisplatin regulation of XPA expression in ovarian cancer cells", NIH DNA Repair Interest Group Videoconference, University of Kentucky, Lexington, KY
4/19/02 "DNA Repair Induction In Acquired Resistance To Cisplatin", James G. Brown Cancer Center, University of Louisville, Louisville, KY
7/18/02 "Disruption of Mitosis in Human Fibroblasts by Arsenite: A Role for p53?", NIEHS Environmental Health Sciences Center, University of Rochester, Rochester, NY
8/15/02 "Disruption of Mitosis in Human Fibroblasts by Arsenite: A Role for p53?", Department of Pharmacology & Toxicology and Toxicology, University of Louisville, Louisville, KY
9/16/02 "Arsenite induced mitotic arrest", Department of Molecular and Biomedical Pharmacology & Toxicology, University of Kentucky, Lexington, KY
11/22/02 "DNA repair gene regulation in cisplatin-resistant ovarian carcinoma cells ", Department of Microbiology, Southern Illinois University, Carbondale, IL
7/15/03 "Arsenic: Carcinogen or Chemotherapeutic", MD/Ph.D. Program, University of Louisville, Louisville, KY
3/19/04 “Arsenic Induced Mitotic Disruption: Mechanism and Consequences”, National Institute of Aging, Baltimore, MD
3/29/04 “Arsenic Induced Mitotic Disruption: Mechanism and Consequences”, Department of Medicine, Division of Cardiology, University of Louisville, Louisville, KY
4/11/05 “Arsenic Induced Atherosclerosis”, Department of Medicine, Division of Cardiology, University of Louisville, Louisville, KY
9/19/05 “Arsenic, mitotic death and p53”, The Graduate Center for Toxicology, University of Kentucky, Lexington, KY
11/8/05 “Arsenic: Friend or Foe?”,Biomarkers, Genetics & Chemoprevention Group, James Graham Brown Cancer Center, University of Louisville, Louisville, KY
12/7/05 “Arsenic: Potent Poison / Potential Panacea?”, Department of Biology, Georgetown College, Georgetown, KY
3/16/06 “Arsenic and Cardiovascular Disease”, Department of Environmental Medicine, University of Rochester, Rochester, NY
9/19/07 “In utero Arsenic Exposure-Induced Alterations in Liver Gene Expression Associated with Accelerated Atherogenesis”, Institute of Biology, National Centre for Scientific Research “Demokritos”, Athens, Greece
12/6/07 “Arsenic in Drinking Water -How Bad Can It Be?”, Department of Biology, Indiana University Southeast, New Albany, IN
10/9/08 "Molecular Determinants of Arsenic Induced Mitotic Arrest Associated Apoptosis", Department of Applied Medical Sciences, University of Southern Maine, Portland, ME
1/15/09 “Molecular Phenotype of Arsenic Sensitivity”, Molecular Targets Program, Brown Cancer Center, University of Louisville, Louisville, KY

1/21/10 "Arsenic Induced Mitotic Disruption", Department of Pharmacology & Toxicology & Toxicology, University of Louisville, Lousiville, KY,

3/30/10 "Arsenic Exposure Induced Hepatic Stress and Inflammation Pathways Associated with Accelerated Atherosclerosis", Department of Molecular Genetics, Biochemistry & Microbiology, University of Cincinnati, Cincinnati, OH

9/20/11 "Hepatic gene expression changes associated with in utero arsenic exposure accelerated atherosclerosis in the ApoE-Knockout mouse", Department of Molecular and Cellular Craniofacial Biology, University of Louisville, Louisville, KY

3/11/14 "Biomedical Research at the UofL School of Medicine", Elizabethtown Community and Technical College, Elizabethtown, KY; Follow up interview by WQKS radio

11/21/14 "Disruption of Mitotic Progression by Arsenic", Nelson Institute of Environmental Medicine, New York University, Tuxedo, NY

2/26/15 "Arsenic, Mitotic Arrest, miRNAs & APC/C", Brown Cancer Center, University of Louisville, Louisville, KY,

8/20/15 "Disruption of Mitotic Progression by Arsenic", Price Institute, University of Louisville, Louisville, KY

10/13/15 "Arsenic, Mitotic Arrest, miRNAs & APC/C", Brown Cancer Center, University of Louisville, Louisville, KY

1/27/16 "Arsenic, Mitotic Arrest, miRNAs & APC/C", Center for Urban Responses to Environmental Stressors, Wayne State University, Detroit, MI

2/18/16 "Arsenic, Mitotic Arrest, miRNAs & APC/C", Department of Environmental and Occupational Health Science, University of Louisville, Louisville, KY

4/11/17 "Role of Mitotic Disruption in Arsenic Carcinogenesis", Jilin University, Jilin, People's Republic of China

4/11/17 "Ph.D. Partnership Program in Pharmacology & Toxicology at the University of Louisville", Jilin University, Jilin, People's Republic of China, April 11, 2017

4/14/17 "Role of Mitotic Disruption in Arsenic Carcinogenesis", Wenzhou Medical University, Wenzhou, People's Republic of China, April 14, 2017

4/14/17 "Ph.D. Partnership Program in Pharmacology & Toxicology at the University of Louisville", Jilin University, Jilin, People's Republic of China, April 11, 2017

6/1/17 "miRNAs and Aneuploidy in Arsenic-induced Skin Carcinogenesis", Department of Pharmacology and Toxicology, University of Louisville, Louisville, KY

10/12/17 "miRNAs and Aneuploidy in Arsenic-induced Skin Carcinogenesis", Department of Epidemiology & Population Health, University of Louisville, Louisville, KY

3/17/18 "RNA splicing, miRNAs and Aneuploidy in Arsenic-induced Skin Carcinogenesis", School of Health Science, Purdue University, West Lafayette, IN

11/7/19 "MicroRNA Dysregulation and Chromosome Instability in Arsenic Carcinogenesis", Dept Pharmacology & Toxicology, University of Louisville, Lousiville, KY

3/5/20 "MicroRNA Dysregulation and Chromosome Instability in Arsenic Carcinogenesis", Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece

3/5/20 "M.S./Ph.D. Program in Pharmacology & Toxicology at the University of Louisville", Department of Molecular Biology and Genetics, Democritus University of Thrace, Greece

8/27/20 "Center for Integrative Environmental Health Sciences, A National Institute of Environmental Health Sciences P30 Core Center: P30ES030283', Monthly UofL

Research Town Hall, University of Louisville
11/17/20 "Center for Integrative Environmental Health Sciences: An NIEHS P30 Core Center', HSC Research Forum, University of Louisville
3/10/21 "miRNA Dysregulation and Aneuploidy in Arsenic-induced Skin Carcinogenesis" University of Arkansas for Medical Sciences, Little Rock, AR,
3/17/21 "miRNA Dysregulation and Aneuploidy in Arsenic-induced Skin Carcinogenesis", University of Kentucky, Lexington, KY,
9/3/21 "MicroRNA Dysregulation and Chromosome Instability in Arsenic Carcinogenesis", Biology Department, University of Louisville
10/26/21 miRNA186 Impact on Differential Gene Expression, mRNA Splicing and Gene Fusions. Center for Integrative Environmental Health Science Research Voucher Symposium, Research!Louisville, University of Louisville

RESEARCH FUNDING: (* = currently active)

Grants and Contracts Awarded As Principal Investigator / Program Director:

Federal Grants Awarded:

Genetics of Human DNA Repair, National Cancer Institute, R29 CA47735, 7/88-8/94, $332,776 (direct costs)
Minority High School Student Research Apprenticeship Program, National Center for Research Resources, S03 RR03332, 3/90-9/96, $143,500 (total costs)
Apprenticeships in Toxicology & Molecular Medicine, National Center for Research Resources, R25 RR12242, 4/97-3/00, $157,503, (transferred to M. Dereski 9/99)
DNA Damage by Bioactivated Xenobiotics, National Institute of Environmental Health Sciences, R01 ES06460, 3/97-6/02, $862,845 (total costs)
Arsenic Induced Miotic Arrest Associated Apoptosis, National Institute of Environmental Health Sciences, R01 ES011314, 8/03 – 4/10, $1,385,850 (total costs); R01ES011314-05S1, $5,414 (total costs); R01ES011314-05S2, $9,765 (total costs)
Effects of chemopreventive agents on DNA damage, National Cancer Institute, R03 CA119295, 9/05 – 8/08, $147,000 (total costs); Role: Principal Investigator
Transplacental Arsenic Induced Hepatic Dysfunction and Vascular Disease, NIH/NIEHS, R21 ES015812-01A1, 4/08 – 3/11, $407,000 (total costs); R21ES015812-02S2, 4/09 –3/11, $9,831 (total costs)
12th Annual Midwest DNA Repair Symposium, NIH/NIEHS, R13 ES019025, 4/10 – 3/11, $8,000 (total costs)
Differential miRNA expression & progression of arsenic induced skin cancers, NIH/NIEHS, R21ES023627, 7/15 – 6/18, $422,000 (total costs)
*Mechanism for Arsenic Induced Carcinogenesis, NIH/NIEHS, R01ES027778, 8/1/2017-7/31/2022, $2,056,394 (total costs)
*Alternative splicing in arsenical skin carcinogenesis, NIH/NIEHS, R21ES030334, 7/14/2020 – 6/30/2022, $429,000 (total costs)
*University of Louisville Center for Integrative Environmental Health Sciences, NIH/NIEHS, P30ES030283, 7/15/2020 – 3/31/2025, $6,473,751.

Training Grants:

*Summer Environmental Health Sciences Training Program, National Institute of Environmental Health Sciences, T35ES014559, $79,024; 05/01/19 – 07/31/26 (Corresponding-PI)

Federal Grants Pending:

None at present

National Foundation Grants Awarded:

Mechanisms of Chemoresistance in Ovarian Cancer, Elsa U. Pardee Foundation, 6/01-5/03, $102,734 (direct costs).

Industrial Contracts Awarded:

Carcinogenicity Testing with Genetically Engineered Human Cells, Viratest Ltd., 2/97-4/98, $24,840 (total costs)

Regional Foundation Grants Awarded:

High School Student Summer Internship, Minority Technology Council of Michigan, 5/89-9/89, $1,180 (total costs)
Gene Transfer in Xeroderma Pigmentosum Cells, American Cancer Society Pilot Research Grant, 7/86-6/87, $6,900 (total costs)
Molecular Mechanism of Arsenic Enhancement of Benzo[a]pyrene Genotoxicity in Human Cells, Kentucky Science and Engineering Foundation, 9/04 – 8/05, $15,000 (total costs)
Targeting the Anaphase Promoting Complex as Lung Cancer Chemotherapy, Kentucky Lung Cancer Research Program, 5/15 – 4/18, $150,000 (total costs)
Novel Cancer Chemotherapeutics Targeting Mitosis, Kentucky Science and Engineering Foundation, KSEF-3249-RDE-018, 7/15 – 6/17, $30,000 (total costs)

Intramural Grants Awarded:

Genetic Complementation of Xeroderma Pigmentosum Cells, Biomedical Research Support Grant, 4/87-3/88, $6,000 (direct costs)
Induction of Mutations by Benzo(a)pyrene Metabolites, Wayne State University Research Grant Program, 4/94-3/95, $6,000 (direct costs)
Benzo(a)pyrene induced gene-specific DNA damage, NIEHS Center Grant P30 ES06639: Pilot Project, 7/94-3/96, $10,000 (direct costs)
Mechanisms of Arsenic Carcinogenesis, NIEHS Center Grant P30 ES06639: Pilot Project, 4/98 - 3/99, $30,000 (direct costs)
N-acetyl transferase gene polymorphisms and breast carcinogenesis. WSU Interdisciplinary Fund and Match, 6/98-5/99, $22,000 (direct costs)
Genetic Polymorphisms in the Xeroderma Pigmentosum Group A Gene, Karmanos Cancer Institute Virtual Discovery Grant Program, 5/99-4/00, $20,000 (awarded but not enacted)
Genetic Polymorphisms in the Xeroderma Pigmentosum Group A Gene, University of Louisville Center for Genetics and Molecular Medicine IDeA Program, 10/99 - 6/00, $17,000
DNA Repair Gene Induction by Cisplatin in Ovarian Carcinoma Cells, ULSoM Dean's Office Medical Student Summer Research Program, 06/00 - 08/00, $2,800

Characterization of a Potential Cisplatin Sensitivity Factor, ULSoM Dean's Office Medical Student Summer Research Program, 06/01 - 08/01, $2,800
Candidate genes for the molecular target(s) of arsenite induced mitotic arrest and associated apoptosis, J. G. Brown Cancer Center, 01/02 - 06/02, $4,500
Gene Therapy to Sensitize Ovarian Cancer Cells to Cisplatin, ULSoM Dean's Office Medical Student Summer Research Program, 06/02 - 08/02, $2,800
Murine Model for Arsenic Induced Atherogenesis, UL Center for Genetics and Molecular Medicine Pilot Project, 12/01/03 – 11/30/04, $30,000
Novel Cancer Chemotherapeutics Targeting Mitosis, UofL SoMRC Basic Grant Program, 1/11 – 4/15, $15,000
Differential miRNA expression & progression of arsenic induced skin cancers, UofL EVPRI Competitive Enhancement Grant, 9/13 – 6/15, $15,000
Differential RNA expression in arsenic-induced skin cancers, UofL Center for Genetics and Molecular Medicine Pilot Gant, 4/1/15 – 3/31/15, $7,500

Grants and Contracts Awarded As Co-investigator:

Federal Grants Awarded:

Research Grants:

Nitrogen Heterocycles: Metabolic Effects and Toxicity, National Institutes of Environmental Health Sciences, R01 ES03656, 4/90-3/95, $1,100,113, Principal Investigator: Raymond F. Novak (Role: Co-investigator)
Biopterin/Catecholamine Metabolism in Alzheimer's & Aging, National Institute of Aging, R01 AG10687, 9/91-5/95, $300,553, Principal Investigator: Robert A. Levine (Role: Co-investigator)
Biopterin & Catecholamines in Aging & Neurodegeneration, National Institutes of Neurological Diseases and Stroke, R01 NS28800, 8/92-5/96, $489,051, Principal Investigator: Robert A. Levine (Role: Co-investigator)
Center for Molecular and Cellular Toxicology with Human Applications, National Institute of Environmental Health Sciences, P30ES06639, 4/94-3/99, ~$2,900,000, Principal Investigator: Raymond F. Novak (Role: Research Core Leader, 8/97 - 3/99)
Center for Molecular and Cellular Toxicology with Human Applications, NIEHS, P30ES06639, 4/99-3/04, $6,549,967,; Principal Investigator: Raymond F. Novak (Role: Gene Regulation and Genetics Research Core Leader and Molecular Genetics Core Facility Associate Leader, 4/99 - 8/99)
Cellular & Molecular Toxicity of Lead, National Institute of Environmental Health Sciences, R01ES04040, 9/95-8/99, $882,754, Principal Investigator: Joel G. Pounds (Role: Co-investigator)
Mutagenicity and Genotoxicity Assays with Endogenous PGH Synthase-2. National Institute of Environmental Health Sciences/SBIR, N43-ES-95438, $99,838, 8/99 – 1/2000; Principal Investigator: Hye Sook Kim (Role: Consultant)
Pharmacogenetics of drug and carcinogen metabolism. National Cancer Institute, R01CA34627, $1,859,936, 09/01/97 - 06/30/03, Co-investigator (7/01-6/03); Principal Investigator: David W. Hein (Role: Co-investigator)
Pharmacogenetics of drug and carcinogen metabolism. National Cancer Institute, R01CA34627

(competitive renewal), $1,250,000 (direct costs), 04/01/03 - 03/31/08, Principal Investigator: David W. Hein (Role: Co-investigator)

Metabolism and detoxification of base propenals, National Institute of Environmental Health Sciences, R01ES011594, $1,559,485, 06/01/03 - 03/31/08, Principal Investigator: Sanjay Srivastava (Role: Co-investigator)

Characterization of NAT1 overexpression in breast tumors, National Cancer Institute, R01CA34627 – Supplement, $113,750, 07/01/04 - 06/30/06; Principal Investigator: David W. Hein (Role: Co-investigator)

Center for Environmental Genomics and Integrative Biology, National Institute of Environmental Health Sciences, P30ES014443-02, $4,410,000, 06/04/07 - 03/31/11, Principal Investigator: Kenneth S. Ramos (Role: Deputy Director)

Priming of liver disease by arsenic exposure, National Institute of Environmental Health Sciences, R21ES016367, $440,000, 05/01/09 – 04/30/11, Principal Investigator: Gavin E. Arteel (Role: Co-investigator)

Atherogenic Mechanisms of Arsenic, National Institute of Environmental Health Sciences, R01ES017260; $1,665,000; 06/15/09 – 03/31/14, Principal Investigator: Sanjay Srivastava (Role: Co-investigator)

*Center For Urban Responses To Environmental Stressors (CURES), National Institute of Environmental Health Sciences, 5P30ES020957; $2,454,236; 06/05/14 - 03/31/22, Principal Investigator: Runge-Morris (Role: External Advisory Board Member)

Hepatobiology and Toxicology COBRE, NIH / NIGMS, P20GM113226, $1,500,000/year (direct costs), 06/10/2016 – 03/31/2021, Principal Investigator: Craig J. McClain (Role: Mentor)

Training Grants:

Cancer Education Grant Program, National Cancer Institute, R25CA44789, $557,437, 8/01/02 – 7/31/07, Principal Investigator: Norbert Burzynski (Role: Mentor)

Arsenite inhibition of mitotic progression, National Institute of Environmental Health Sciences, F30 ES013372, $97,650, 07/01/04 – 06/14/08); Principal Investigator: B. Frazier Taylor (Role: Mentor)

*UofL Environmental Health Sciences Training Program, National Institute of Environmental Health Sciences, T32ES011564, $2,316,985 (latest renewal); 07/01/04 – 06/30/21; Principal Investigator: David W. Hein (Role: Mentor)

Summer Environmental Health Sciences Training Program, National Institute of Environmental Health Sciences, T35ES014559, $38,431; 04/01/18 – 04/30/19; Principal Investigator: Russell A. Prough (Role: Multi-PI).

Curcumin inhbits BPDE-induced damage by lowering the threshold of p53 activation, National Institute of Environmental Health Sciences, F31ES016719, $78,157, 05/01/2008 – 03/31/2011.

*University Of Louisville Cancer Education Program, National Cancer Institute, R25CA134283, $3,089,675; 09/14/2011 – 03/31/2022; Principal Investigator: David W. Hein (Role: Mentor)

Regional Foundation Grants Awarded:

The Role of Rev1 in Carcinogen-Induced Lung Cancer, Kentucky Lung Cancer Research Progam, 12/10 – 11/13, $150,000 (total costs) (Dr. States became PI in 3/12)

Intramural Grants Awarded:

Gene Therapy for Parkinson's Disease, WSU Interdisciplinary Research Fund, $10,000, 3/95-2/96, Principal Investigator: Donald M. Kuhn (role: Co-investigator)

Impact of DNA Repair Genes (HOGG1, XPD, and XRCC1) on Prostate Cancer Risk among Men of African Descent, Bales Research Fund, University of Louisville, $15,000, 3/15/05-3/14/06, Principal Investigator: LaCreiss R. Kidd (role: Co-investigator)

Xenograft model of ovarian carcinoma in nude mice with assessment of non-invasive imaging and tolerability of intraperitoneal cisplatin, sodium arsenite and mild hyperthermia, Bales Research Fund, University of Louisville, $15,000, 3/1/06-2/28/08, Principal Investigator: C. William Helm (role: Co-investigator)

Priming of Liver Disease by Arsenic Exposure, UofL Vice President for Research Competitive Enhancement Grant, $15,000, 9/1/07 – 8/31/08, Principal Investigator: Gavin E. Arteel

Genomic and epigenetic mechanisms for environmentally Cd-induced carcinogenesis, Center for Environmental Genomics and Integrative Biology Pilot Grant, $30,000, 09/01/07 – 08/31/08, Principal Investigator: Lu Cai (role: Co-investigator)

miRNA Biomarkers for Ovarian Cancer, CEGIB pilot project, $60,000, 1/1/09 – 12/31/09, Principal Investigator: C. William Helm (role: Co-investigator)