

CURRICULUM VITAE

Gregory A. Reed

Address: Department of Pharmacology, Toxicology, and Therapeutics 10012 Cedar
University of Kansas Medical Center Overland Park, KS 66207
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3901 Rainbow Boulevard
Kansas City, KS 66160

Citizenship: United States

Education:

1974: B.A., Chemistry, DePauw University, Greencastle, Indiana

1981: Ph.D., Chemistry, Wayne State University, Detroit, Michigan

Dissertation project: "Metabolism and activation of benzo[a]pyrene and benzo-ring derivatives during prostaglandin biosynthesis", under Professor Lawrence J. Marnett

Additional Training:

National Cancer Institute training course: "Safe Handling of Carcinogens in the Research Laboratory." Illinois Institute of Technology, Chicago, Illinois, October 6-9, 1977.

American Chemical Society Short Course: "Toxicology for Chemists." Research Triangle Park, North Carolina, April 26-27, 1984.

Brief Chronology of Employment:

1973-1974	Teaching Assistant, DePauw University
1977-1980	Graduate Research Assistant, Wayne State University
1979-1981	Graduate Teaching Assistant, Wayne State University
1981-1983	Staff Fellow, Laboratory of Pulmonary Function and Toxicology, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
1983-1985	Staff Fellow, Laboratory of Molecular Biophysics, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina
1985-1991	Assistant Professor, Department of Pharmacology, Toxicology, and Therapeutics, University of Kansas Medical Center
1991- Present	Associate Professor, Department of Pharmacology, Toxicology, and Therapeutics, University of Kansas Medical Center
2003- Present	Associate Professor, Department of Internal Medicine-Clinical Pharmacology, University of Kansas Medical Center
1989-2004	Executive Coordinator, Environmental and Occupational Health Center
1998-2004	Director, Chromatography Core Laboratory, Kansas Masonic Cancer Research Institute
2006- Present	Co-Director, Analytical Core Laboratory, Liver Center

Honors and Awards:

2006 John Doull Medal and Lectureship, Central States Chapter-Society of Toxicology
2007 Chancellor's Distinguished Teaching Award for Excellence in Teaching, University of Kansas

Memberships:

American Chemical Society, 1974-Present
Society of Toxicology, 1987-Present
Central States-Society of Toxicology, 1988-Present
American Association for Cancer Research, 1988-Present
International Society for the Study of Xenobiotics, 2006-Present
American Society for Pharmacology and Experimental Therapeutics, 2007-Present
American Society for Mass Spectrometry, 2008

Professional Activities:

Member, Research Peer Review Committee, American Heart Association-Kansas Affiliate, 1988- 1995
Vice Chairman, Research Peer Review Committee, American Heart Association-Kansas Affiliate, 1991-92
Chairman, Research Peer Review Committee, American Heart Association-Kansas Affiliate, 1992-94
Member, Research Committee, American Heart Association-Kansas Affiliate, 1992-1998
Vice-Chairman, Research Committee, American Heart Association-Kansas Affiliate, 1995 -1996
Chairman, Research Committee, American Heart Association-Kansas Affiliate, 1996 -1998
Member, Research Task Force, American Heart Association-Heartland Affiliate, 1997
Member, Research Committee, American Heart Association-Heartland Affiliate, 1997- 2002
Outside Reviewer, National Institutes of Health, Chemical Pathology Study Section, 1987
Member, Review Panel, SBIR Phase II proposal, National Institute of Environmental Health Sciences, 1990
Outside Reviewer, Program Project, National Institute of Environmental Health Sciences, 1991
Member, Site Visit Team, National Cancer Institute Program/Project, Omaha, NE, 1992
Reviewer, SBIR Phase I proposal, National Institute of Environmental Health Sciences, 1994
Member, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research Grant Program, 1994
Reviewer, SBIR Phase II proposal, National Institute of Environmental Health Sciences, 1995
Reviewer, SBIR Phase I proposals, National Institute of Environmental Health Sciences, 1998
Member, Scientific Review Group, RFP NIH-ES-98-29, NIEHS, 1999
Reviewer, SBIR Phase I proposals, National Institute of Environmental Health Sciences, 1999
Chairman, SBIR Phase I review committee, National Institute of Environmental Health Sciences, 1999
Member, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research Grant Program, 1999
Sub-Chairman, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research Grant Program, 1999
Special Reviewer, SBIR Phase I proposal, National Institute of Environmental Health Sciences, 1999
Member, Scientific Review Group, RFP NIH-ES-01-09, NIEHS, 2001
Member, Scientific Review Group, RFA-CA-03-001, NCI, 2002
Member, FIFRA Scientific Advisory Panel (SAP), Environmental Protection Agency, 2003
Member, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research Grant Program, 2004
Member, Predictive ADME-Toxicology Special Emphasis Panel, RFA-RM-04-023, NIGMS, 2005
Phase 1 Reviewer, NIEHS Superfund Hazardous Substances Basic Research Grant Program, 2005
Member, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research Grant Program, 2005
Member, CAM at Minority or Health Disparities Research Centers, Scientific Review Group, PAR-05-152, NCCAM, 2006
Member, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research and Training Grant Program, 2007
Member, Scientific Review Group, NIEHS Superfund Hazardous Substances Basic Research and Training Grant Program, 2008

Reviewer, Mosby's Pharmacology in Nursing, Mosby-Year Book Inc., 1992
Reviewer, Doody's On-Line Reviews, 2005-Present

Reviewer for the following journals:

Applied Occupational and Environmental Hygiene, Archives of Toxicology, Archives of Biochemistry and Biophysics, Biochemical Pharmacology, Cancer Epidemiology, Biomarkers & Prevention, Cancer Research, Carcinogenesis, Chemical Research in Toxicology, Chemico-

Biological Interactions, Drug Metabolism and Disposition, Drug Metabolism Reviews, Environmental and Molecular Mutagenesis, Food and Chemical Toxicology, International Journal of Cancer, Journal of Biochemical Toxicology, Journal of Biological Chemistry, Journal of Medicinal Chemistry, Journal of Pharmaceutical and Biomedical Analysis, Journal of Toxicology and Environmental Health, Molecular Pharmacology, Neoplasia, Journal of Pharmacology and Experimental Therapeutics, Prostaglandins, Prostaglandins, Leukotrienes, and Medicine, Science, Toxicological Sciences, Toxicology, Toxicology and Applied Pharmacology, Toxicology Letters

Member, Editorial Board, *Toxicology Letters*, 1993-1998

Program Committee, Central States-Society of Toxicology annual meeting, 1988

Co-chair, "Oxidative Stress" platform session, Society of Toxicology annual meeting, 1990

Membership Committee, Central States-Society of Toxicology, 1991-2006

Organizing Committee, "Peroxidases and Peroxyl Radicals in Toxicity", Society of Toxicology annual meeting, 1992

Councilor, Central States-Society of Toxicology, 1993-2006

Judge, Graduate Student Competition, Mechanisms Specialty Section, Society of Toxicology, 1994

Program Chairman, 1994 Annual Meeting Committee, Central States-Society of Toxicology

President-Elect, Central States-Society of Toxicology, 1994-95

President, Central States-Society of Toxicology, 1995-1996

Program Chairman, 1996 Annual Meeting Committee, Central States-Society of Toxicology

Past President, Central States-Society of Toxicology, 1996-1998

Program Committee, 2001 Annual Meeting, Central States-Society of Toxicology

Program Committee, 2004 Annual Meeting, Central States-Society of Toxicology

Co-chair, "Inhibition of Carcinogenesis" poster session, Society of Toxicology annual meeting, 2003

Co-chair, "New Techniques for Detecting Pollutant-Induced Alterations in DNA", International Congress of Toxicology VII, 1995

Session Chair, The Kansas IdeA Symposium, Redox Modification of Proteins, 1995

Program Committee, International Society for the Study of Xenobiotics, 7th North American Meeting, 1996

Symposium Chairman, "Environmental Chemicals", International Society for the Study of Xenobiotics, 7th North American Meeting, 1996

Session Chair, Aromatase: Implications for Breast Cancer, 3rd International Symposium on Hormonal Carcinogenesis, 1998

President-Elect, Sigma Xi, University of Kansas Medical Center chapter, 1996-97

President, Sigma Xi, University of Kansas Medical Center chapter, 1997-98

Faculty Search Committee, Environmental and Occupational Health Center, 1986

Instrumentation Committee, Environmental and Occupational Health Center, 1986

Program Organizer, Environmental and Occupational Health Center Seminar Series, 1987-92

Curriculum Revision Committee, Department of Pharmacology, Toxicology, and Therapeutics, 1989

Chair, Faculty Search Committee, Department of Pharmacology, Toxicology, and Therapeutics, 1989-90

Permanent Director Search Committee, Environmental and Occupational Health Center, 1990-91

Faculty Search Committee, Department of Pharmacology, Toxicology, and Therapeutics, 1990-91

Medical Pharmacology Revision Committee, 1992-93

Institutional Biosafety Committee, 1990-99

Chair, Institutional Biosafety Committee, 1994-99

Faculty Grievance Hearing Committee, 1994

Curriculum Revision Committee, Department of Pharmacology, Toxicology, and Therapeutics, 1994

Graduate Education Committee, Department of Pharmacology, Toxicology, and Therapeutics, 1990- 96; 1998-99

Director of Graduate Admissions, Department of Pharmacology, Toxicology, and Therapeutics, 1993-1995

Chairman, Graduate Education Committee, Department of Pharmacology, Toxicology, and

Therapeutics, 1995 - 96; 1998-99
 Chairman, Curriculum Revision Committee, Department of Pharmacology, Toxicology, and Therapeutics, 1997
 Faculty Search Committee, Department of Pharmacology, Toxicology, and Therapeutics, 2003-2007
 KUMC Graduate Council representative, 1995 -96; 1998-99
 Graduate Council, University of Kansas, 1995 -96; 1998-99
 Member, M.D./Ph.D. Advisory Committee, 1995 - 96
 Member, Biochemistry Sub-Committee, Interdisciplinary Graduate Program in Biomedical Sciences, 1995
 Member, Advisory Board, Interdisciplinary Graduate Program in Biomedical Sciences, 1996 - 99
 Member, Internal Advisory Committee, Kansas Cancer Institute, 1996 – 2002
 Member, Search Committee, Kansas Cancer Institute Director, 2002-2004
 Member, Faculty Council, 1997-2003
 Vice Chairman-Elect, Faculty Council, 2001-2002
 Vice Chairman, Faculty Council, 2002-2003
 Member, Faculty Council ad hoc Committee on Faculty Salaries, 1998
 Member, KUMC Emergency Preparedness Committee, 2000
 Nominations Subcommittee, Faculty Council, 2000
 Member, Education Council, 2003-Present
 Member, Year 3-4 Sub-committee, Education Council, 2003-Present
 Member, Health of the Public course review committee, 2004
 Member and Vice Chairman, Department of Anatomy and Cell Biology chair review committee, 2004
 Member, Educational Program: Outcome Assessment Committee for LCME Self-Study, 2004
 Member, Protocol Review and Monitoring Committee, Kansas Masonic Cancer Research Institute, 2004-Present
 Member, Clinical and Translational Science Award (CTSA) Planning Steering Committee, 2007- 2008
 Member, Clinical Research Resources Committee of CTSA, 2007- 2008
 Member, Phase 1 Oncologist Search Committee, Kansas Masonic Cancer Research Institute, 2008-Present
 Reviewer, KUMC Biomedical Research Training Program Fellowship Applications, 2008
 Reviewer, Kansas INBRE Major Starter Grants, 2008

Organizing Committee, Free Radicals and Tissue Damage workshop, 1990
 Graduate Travel Committee, Office of Graduate Studies and Research, 1991-93
 Program Coordinator, Summer Intern Research Program, Department of Pharmacology, Toxicology, and Therapeutics, 1991-92
 Special Programs Subcommittee, Academic Committee, KUMC, 1992-94
 Academic Committee, KUMC, 1992-94
 Judge, Student Research Forum, KUMC, 1993, 1996-1998, 2000, 2002-2007
 Advisor and Judge, Kansas Junior Academy of Sciences, 1987-92

Academic Activities:

Teaching:

1985 Lecturer, PTOX 918 Toxicology
 1986 Consultant, Medical Pharmacology
 Lecturer, PCHL 931 Chemical Pharmacology
 1987 Consultant, Medical Pharmacology
 Lecturer, PTOX 918 Toxicology
 Lecturer, PMCO 428 Nursing Pharmacology II
 1988 Consultant, Medical Pharmacology
 Course Director, PTOX 938 Advanced Toxicology
 Advisor, Pharmacology/Toxicology Journal Club
 Lecturer, PMCO 428 Nursing Pharmacology II
 1989 Course Director, PCHL 809 Seminar
 Course Director, PMCO 328 and PMCO 428 Nursing Pharmacology I and II
 Lecturer, PMCO 428 Nursing Pharmacology II
 Lecturer, PTOX 918 Toxicology
 Advisor, Pharmacology/Toxicology Journal Club

- 1990 Lecturer, Medical Pharmacology
Lecturer, PTOX 938 Advanced Toxicology
Lecturer, Outreach Program, M.S. Program in Nurse Anesthesia, "Toxicity of Anesthetics"
Course Director, PCHL 809 Seminar
Course Director, PMCO 328 and PMCO 428 Nursing Pharmacology I and II
Lecturer, PMCO 328 and PMCO 428 Nursing Pharmacology I and II
Lecturer, PHCL/PTOX 841, Molecular and Cellular Pharmacology/Toxicology
- 1991 Course Director, PMCO 328 and PMCO 428 Nursing Pharmacology I and II
Lecturer, PMCO 328 and PMCO 428 Nursing Pharmacology I and II
Lecturer, PTOX 918, Toxicology
- 1992 Lecturer, PTOX 938 Advanced Toxicology
Lecturer, PHCL/PTOX 841, Molecular and Cellular Pharmacology/Toxicology
Lecturer, PMCO 328 and PMCO 428, Nursing Pharmacology I and II
Course Director, PMCO 328 and 428, Nursing Pharmacology I and II
Lecturer, School of Nursing Outreach Program, "Drugs of Abuse"
- 1993 Lecturer, Medical Pharmacology
Lecturer, PMCO 0328 and PMCO 0428 Nursing Pharmacology I and II
Lecturer, PTOX 918 Toxicology
Course Director, PMCO 0428 Nursing Pharmacology II
- 1994 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PHCL/PTOX 841, Molecular and Cellular Pharmacology/Toxicology
- 1995 Block Chairman, Medical Pharmacology
Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PTOX 918, Toxicology
- 1996 Block Chairman, Medical Pharmacology
Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, FLORS Course
Lecturer, PHCL/PTOX 841, Molecular and Cellular Pharmacology/Toxicology
- 1997 Block Chairman, Medical Pharmacology
Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, FLORS Course
Lecturer, PHCL/PTOX 939, P&O 939, Carcinogenesis and Cancer Biology
Course Director, PHCL 891, Thermodynamics, Protein Structure, and Analysis of Reaction Kinetics
Lecturer, PHCL 891, Thermodynamics, Protein Structure, and Analysis of Reaction Kinetics
Course Director, PHCL 894, Cell Metabolism
Lecturer, PTOX 918, Toxicology
- 1998 Block Chairman, Medical Pharmacology
Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PTOX 938 Advanced Toxicology
Lecturer, PHCL/PTOX 841, Molecular and Cellular Pharmacology/Toxicology
- 1999 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PHCL/PTOX 939, P&O 939, Carcinogenesis and Cancer Biology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PTOX 918, Toxicology
- 2000 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PTOX 917, Disposition of Xenobiotics
Lecturer, PHCL 880, Essentials of Pharmacology
- 2001 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PHCL/PTOX 939, P&O 939, Carcinogenesis and Cancer Biology
Course Director, PHCL 898, Principles of Pharmacology

- Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PTOX 918, Toxicology
- 2002 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PTOX 917, Disposition of Xenobiotics
Lecturer, PHCL 880, Essentials of Pharmacology
- 2003 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PHCL/PTOX 939, P&O 939, Carcinogenesis and Cancer Biology
Course Director, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PTOX 918, Toxicology
- 2004 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PTOX 917, Disposition of Xenobiotics
Course Director, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 880, Essentials of Pharmacology
- 2005 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Course Director, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PTOX 918, Toxicology
- 2006 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PTOX 917, Disposition of Xenobiotics
Lecturer, PHCL/PTOX 939, P&O 939, Carcinogenesis and Cancer Biology
Course Director, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 880, Essentials of Pharmacology
Lecturer, Course Assistant, CORE 805, Genetics and Neoplasia
- 2007 Unit Chairman, Medical Pharmacology
Lecturer, Medical Pharmacology
Lecturer, PHCL/PTOX 939, P&O 939, Carcinogenesis and Cancer Biology
Course Director, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, Course Assistant, CORE 805, Genetics and Neoplasia
- 2008 Module Co-Director, CORE 850, Infectious Diseases
Lecturer, CORE 850, Infectious Diseases
Lecturer, PRVM 810 Clinical Trials
Lecturer, PTOX 917, Disposition of Xenobiotics
Facilitator, CORE 860, Integration and Consolidation
Course Director, PHCL 898, Principles of Pharmacology
Lecturer, PHCL 898, Principles of Pharmacology
Lecturer, PTOX 887, Toxicologic Pathology
Lecturer, PHCL 880, Essentials of Pharmacology
Lecturer, Course Assistant, CORE 805, Genetics and Neoplasia

Laboratory traineeships:

High school students: Jeanette Blain, Alicia Bye, Molly Herrington, Martin Stiaszny

Undergraduate students: Rachel Alewine, Alicia Bye, Michael Horsey, Laura Hughes, Steven Janasz, Douglas Laux, Kelley MacDanel, Wilma Perez, Megan Renahan, James Rose, Margaret Ruddy, Jacquine Stenz, Cathleen Thomas, Alayne Ward

Medical students: Keesha Davis, Chad Hudson (MUSC), Valerie Johnson, Matthew Layton, Karin Porter, Michelle Withee

Graduate students: Amy Allen, Robert Barter, David Buckley, Susan Buist, Michelle Calvert, Christin Coulter, Colleen Flynn, Justin Green, Ann Hermone, Al Hood, R. Bryan Henry, David Johnson, Brian Jones, Jeffrey Moehlenkamp, Janette Padgitt, Y.-H. Laurie Pan, Scott Reisman, Angela Wilson, Kai-Hui

Wu

Post-doctoral student: Cherukury Madhu, Ph.D.

Residents: Vimal Chadha, M.D.

M.S. Committees:

2000 Angela Wilson (Chairman)

2001 Michael Berringer, Janette Padgitt

Ph.D. Committees:

1986 LaVonne Patton, Dept. of Pharmacology and Toxicology, School of Pharmacy, Univ. of Kansas

1987 Dan Goon

1988 David Dutton

1990 Edwin Nuzum

1991 Delmont Eberhart

1992 John Bauman, Justin Green (Chairman), Laurie Hanson, Y.-H. Laurie Pan (Chairman)

1993 Matthew Layton

1994 Bingfang Yan

1995 Lan Liu

1996 James Boles, Brian Jones (Chairman), Maria Romanas

1997 R. Bryan Henry (Chairman)

1999 Jeffery Moehlenkamp (Chairman)

2001 David Johnson, Grace Guo, Eric Harstad

2003 Peter Opdam, Ning Li, Susan Buist

2005 Xingguo Cheng, Jon Maher, Melinda Shelby

2006 Toni Richards

2007 Kristian Fried, David Buckley, Adnan Abu-Yousif, Daniel Mudra (Department of Pharmaceutical Sciences, University of Kansas-Lawrence)

Current candidates: Colleen Flynn (Chairman), Yi Miao, Erik Pacyniak, Scott Reisman, Mary Shawgo

Funding:

(Direct costs only)

Awarded:

1. Biomedical Research Support Grant (NIH)
University of Kansas Medical Center, 1985-1986
"Peroxyl Radicals and Toxicity", \$15,000
2. Kansas University Cancer Center, 1985-1986
"Scavenging of Reactive Oxygen Species by an anti-tumorigenic Copper Complex", \$5,000
3. Speas Foundation for Cancer Research, 1986
"Peroxyl Radicals and Benzo(a)pyrene Carcinogenesis", \$25,000
4. Biomedical Research Support Grant (NIH)
University of Kansas Medical Center, 1987
"Shared Instrumentation", \$17,170
5. Pharmaceutical Manufacturers Association Foundation, 1986-1987
"Peroxidative Metabolism in Drug Action and Toxicity", \$20,000
6. National Institutes of Health, 1987-1991
"Pulmonary Toxicity of Sulfur Dioxide and Sulfite", \$197,411
7. Biomedical Research Support Grant (NIH)
University of Kansas Medical Center, 1990-1991
"Formation and Genotoxicity of Benzo[a]pyrene Sulfonates", \$10,000
8. Flossie E. West Memorial Trust, 1990-1991
"Alveolar Macrophages and Environmental Cocarcinogenesis", \$19,648
9. Biomedical Research Support Grant (NIH)
University of Kansas Medical Center, 1993
"Metabolic and Genotoxic Interactions of Aromatic Amines", \$6,515
10. National Institutes of Health, 1991-1995
"Genotoxicity of Benzo[a]pyrene Derivatives and Sulfite", \$203,130
11. KUMC Research Institute, 1995-1996
"Toxicological Significance of Altered Gene Expression", \$21,000
12. Shared Biomedical Research Equipment, KUMC, 1996
"Shared Instrumentation", \$23,392
13. National Institutes of Health, 1997-2001
"Phase 1 Single and Multiple-dose Safety and Pharmacokinetic Clinical Study of Selenomethionine", Aryeh Hurwitz, P.I.
Analysis of biomarkers component, \$47,000
14. Avon Products Corporation, 1999-2001
"Pilot Study Immunohistochemical Analysis of Steroid Hormone Receptors in Skin", \$57,890
15. Breast Cancer Research Program, USAMRMC, 1997-2002
"Estrogens, Microtubules, and Aneuploidy: Mechanisms in Mammary Gland Tumorigenesis"
\$177,529
16. Aventis, 1999-2001
"Taxotere, Ketoconazole, and Dexamethasone: A Phase I and Pharmacokinetic Study", Peter Van Veldhuizen, P.I., Analytical support for Pharmacokinetics, \$16,707
17. National Institutes of Health, 1999-2003
"Phase 1 Single and Multiple-dose Safety and Pharmacokinetic Clinical Study of Indole-3-Carbinol", Aryeh Hurwitz, P.I.; Analysis of biomarkers component, \$48,000
18. Department of Defense, 2002-2004
"Dopamine Alleviation of Reactive Oxygen Species (ROS) Mediated Diaphragm Fatigue", Janet Pierce, P.I., Analysis of antioxidant status and oxidative damage in tissues, \$17,890
19. National Institutes of Health, 2001-2005
"Effects of Ginseng and Gingko on Drug Disposition in Man", Aryeh Hurwitz, P.I.
Analytical support and pharmacokinetics component, \$235,000
20. National Institutes of Health, 2002-2005
"Diaphragm Fatigue: Mechanisms of Treatment by Dopamine", Janet Pierce, P.I.; Analysis of antioxidant status and oxidative damage in tissues, \$93,087,944
21. National Institutes of Health, 2004-2007
"Brain LC-PUFAs and Maternal Mental Health", Beth Levant, P.I., Consultant, \$16,388

Current

22. National Institutes of Health, 2003-2008
"Phase 1 Single and Multiple-dose Safety and Pharmacokinetic Clinical Study of 3,3'-
Diindolylmethane (DIM)", \$666,
23. National Institutes of Health, 2006-2009
"Probe Drugs for Botanical-Drug Interactions", \$381,000

INVITED PRESENTATIONS

National Institute of Environmental Health Sciences, Research Triangle Park, NC	1/81
Michigan State University, Carcinogenesis Laboratory	3/81
Bowman-Gray School of Medicine, Dept. of Microbiology, Winston-Salem, NC	1/84
University of Arkansas at Little Rock, Dept. of Chemistry	5/84
Pfizer Central Research, Groton, CN	5/84
University of Kansas Medical Center, Dept. of Pharmacology, Toxicology, and Therapeutics	1/85
University of Kentucky Medical Center, Dept. of Pharmacology	1/85
Johns Hopkins University, Dept. of Environmental Health Sciences	2/85
University of Kansas Medical Center, Dept. of Biochemistry	2/86
University of Arkansas Health Sciences Center, Little Rock	8/86
Haskell Laboratory- E.I. duPont, Newark, DE	9/86
University of Kansas Medical Center, Sigma Xi lecture	1/87
Central States-Society of Toxicology annual meeting, Lawrence	5/87
Wayne State University, Dept. of Chemistry	6/87
University of Kansas Medical Center, Summer Research Program	7/87
Wichita State University, Dept. of Chemistry	1/88
Pittsburg State University, Dept. of Biology	4/88
Emporia State University, Dept. of Chemistry, Emporia, KS	11/88
Winter Gordon Conference, "Oxygen Radicals in Biology", Ventura, CA	1/89
National Institute of Environmental Health Sciences, Research Triangle Park, NC	3/89
University of Missouri-Kansas City, Dept. of Pharmacology	3/91
University of Kansas Medical Center, Summer Research Program	7/91
Gordon Research Conference, "Drug Metabolism", Plymouth, NH	7/91
Park College, Natural Science Colloquium, Parkville, MO	10/91
Benedictine College, Dept. of Chemistry, Atchison, KS	10/91
University of Colorado, School of Pharmacy, Boulder, CO	10/91
Pittsburg State University, Dept. of Chemistry, Pittsburg, KS	12/91
University of Kansas Medical Center, Dept. of Physiology	1/92
Peroxidase Symposium, Society of Toxicology Annual Meeting, Seattle, WA	2/92
University of Missouri, Dept. of Biological Sciences, Columbia, MO	2/92
William Jewell College, Dept. of Biology, Liberty, MO	3/92
University of Kansas, Dept. of Physiology and Cell Biology, Lawrence, KS	4/92
ACS Course, "Chemical Mechanisms in Toxicology", Washington, DC	8/92
ACS Course, "Chemical Mechanisms in Toxicology", Clearwater, FL	11/92
ACS Course, "Chemical Mechanisms in Toxicology", Washington, DC	8/94
University of Kansas Medical Center, Dept. of Biochemistry	3/95
Agency for Toxic Substances and Disease Registry, Atlanta, GA	4/95
University of Kansas Medical Center, Summer Research Program	7/95
Mid-America Section, American Industrial Hygiene Association	4/96
Kansas IDEa Symposium, Olathe, KS	5/96
Environmental Chemicals symposium, ISSX Meeting, San Diego, CA	10/96
Univ. Of Illinois-Chicago, Dept. of Medicinal Chemistry and Pharmacognosy	2/97
3rd International Symposium on Hormonal Carcinogenesis, Seattle, WA	9/98
University of Kansas Medical Center, Dept. of Physiology	9/98
National Institute of Environmental Health Sciences, Research Triangle Park, NC	1/99
University of Missouri-Kansas City, Dept. of Pharmacology	2/00
Avon Research and Development, Suffern, NY	3/00
Heartland Affiliate- American Heart Association Annual Meeting, Omaha, NE	8/01
Kansas City Division, American Heart Association, Overland Park, KS	10/01
University of Kansas, Department of Pharmacology and Toxicology	3/02
University of Missouri, Department of Food Sciences, Columbia, MO	10/03
Park University, Parkville, MO	11/03
Kansas City Division, American Heart Association, Overland Park, KS	9/04
John Doull Lecture, Central States-SOT meeting, Ames, IA	9/05
XenoTech LLC, Lenexa, KS	4/06
University of Kansas-Edwards	10/07

University of Kansas, Department of Chemistry	2/08
Waters Technology Summit, Overland Park, KS	2/08
American Association of Pharmaceutical Scientists, Kansas City Group	4/08
Midwest Research Institute, Kansas City, MO	4/08

PUBLICATIONS

1. Marnett, L. J., **Reed, G. A.**, and Johnson, J. T.: Prostaglandin synthetase dependent benzo(a)pyrene oxidation: Products of the oxidation and inhibition of their formation by antioxidants. *Biochem. Biophys. Res. Commun.* **79**: 569-576, 1977.
2. Marnett, L. J., **Reed, G. A.**, and Denison, D. J.: Prostaglandin synthetase dependent activation of 7,8-dihydro-7,8-dihydroxy-benzo(a)pyrene to mutagenic derivatives. *Biochem. Biophys. Res. Commun.* **82**: 210-216, 1978.
3. Marnett, L. J. and **Reed, G. A.**: Peroxidatic oxidation of benzo(a)pyrene and prostaglandin biosynthesis. *Biochemistry* **18**: 2923-2929, 1979.
4. Marnett, L. J., Bienkowski, M. J., Pagels, W. R., and **Reed, G. A.**: Mechanism of xenobiotic cooxygenation coupled to prostaglandin H₂ biosynthesis. In: *Advances in Prostaglandin and Thromboxane Research* (B. Samuelsson, P. Ramwell, and R. Paoletti, eds.), Vol. 6, pp. 149-151, Raven Press, New York, 1980.
5. Marnett, L. J., Panthanickal, A., and **Reed, G. A.**: Metabolic activation of 7,8-dihydroxy-7,8-dihydrobenzo(a)pyrene during prostaglandin biosynthesis. *Drug Metab. Rev.* **13**: 235-247, 1981.
6. **Reed, G. A.** and Marnett, L. J.: Metabolism and activation of 7,8-dihydrobenzo(a)pyrene during prostaglandin biosynthesis. *J. Biol. Chem.* **257**: 11368-11376, 1982.
7. Marnett, L. J., Bienkowski, M. J., Leithauser, M. T., Pagels, W. R., Panthanickal, A., and **Reed, G. A.**: Prostaglandin synthetase dependent cooxygenation. In: *Prostaglandins and Cancer* (T. J. Powles, R. S. Bockman, K. V. Honn, and P. Ramwell, eds.), pp. 97-111, Allen R. Liss, Inc., New York, 1982.
8. Eling, T. E., **Reed, G. A.**, Boyd, J. A., Krauss, R. S., and Sivarajah, K.: Metabolism of chemical carcinogens by prostaglandin H synthase. In: *Extrahepatic Drug Metabolism and Chemical Carcinogenesis* (J. Rydstrom, J. Montelius, and M. Bengtsson, eds.), pp. 105-112, Elsevier Science, Amsterdam, 1983.
9. Eling, T. E., Boyd, J. A., **Reed, G. A.**, Mason, R. P., and Sivarajah, K.: Xenobiotic metabolism by prostaglandin endoperoxide synthetase. *Drug Metab. Rev.* **14**: 1023-1053, 1983.
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