

Curriculum Vitae – October 2018

Mary Ann Smith, PhD

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Personal

Birthplace: Saitozaki, Fukuoka-Ken, Kyushu, Japan
Citizenship: U.S.
Languages: Spanish, semi-fluent (written & oral); Japanese, conversational

Education

1979 BS Pharmacy, The University of Texas at Austin; Austin, TX
1984 PhD Pharmacology / Toxicology, The University of Texas at Austin, Austin, TX
(Supervising Professor: Daniel Acosta, Jr., PhD)

Positions & Appointments

9/79 – 12/79 Research Assistant; Department of Pharmacology, College of Pharmacy, The University of Texas at Austin, Austin, TX.
1/80 – 2/84 Teaching Assistant; Department of Pharmacology, College of Pharmacy, The University of Texas at Austin, Austin, TX (Supervisor: Daniel Acosta, Jr., PhD)
3/84 – 7/85 Staff Fellow; Laboratory of Experimental Therapeutics & Metabolism, National Cancer Institute, National Institutes of Health, Bethesda, MD (Supervisor: Michael R. Boyd, MD, PhD)
7/85 – 7/87 Postdoctoral Fellow; Department of Investigative Toxicology, Smith Kline & French Laboratories / Department of Pharmacology & Toxicology, Philadelphia College of Pharmacy & Science, Philadelphia, PA (Supervisors: William R. Hewitt, PhD; Jerry B. Hook, PhD; Gary L. Lage, PhD)
7/87 – 1/91 Assistant Professor, Pharmacy (Pharmacology / Toxicology); College of Pharmacy, The University of New Mexico, Albuquerque, NM (Supervisor: W. M. Hadley, PhD, Dean, College of Pharmacy)

- 1/91 – Present Assistant Professor, Environmental Sciences / Toxicology; The University of Texas School of Public Health, Houston, TX
- 8/91 – Present Member of the Graduate Faculty, The University of Texas Health Science Center Houston, Graduate School of Biomedical Sciences, Houston, TX
Toxicology Program (1991 – 2001), Experimental Therapeutics Program (2009 - Present)
- 10/93 – 12/01 Co-Director, Toxicology Program, The University of Texas Health Science Center Houston, Graduate School of Biomedical Sciences, Houston, TX
- 1/02 – 2/08 Assistant Dean for Academic Affairs, The University of Texas School of Public Health, Houston, TX
- 3/08 – 12/15 Associate Dean for Student Affairs, The University of Texas School of Public Health, Houston, TX
- 01/16 – Present Assistant Dean for Students, The University of Texas School of Public Health, Houston, TX

Honors & Awards

University of Texas, Graduate Student Research Award; 1981
 University of Texas, Graduate Student Research Fellowship; 1982
 Rho Chi Honor Society
 Phi Kappa Phi Honor Society
 University of New Mexico College of Pharmacy Outstanding Teacher; 1989 – 1990
 University of New Mexico Graduate & Undergraduate Teacher of the Year Award; 1989 – 1990
(First time Graduate & Undergraduate Teaching Award given at one time to same person)
 University of Texas School of Public Health Outstanding Faculty List; 1993
 University of Texas Graduate School of Biomedical Sciences Dean's Teaching Award List; 1993
 University of Texas Graduate School of Biomedical Sciences Dean's Excellence Award List; 1994-2000
 Recipient, University of Texas School of Public Health, John P. McGovern Outstanding Teacher Award; 1995
 University of Texas School of Public Health Peer Recognition for Outstanding Scholarship; 1996-2000
 University of Texas Graduate School of Biomedical Sciences, Nominee for John P. McGovern Outstanding Teacher Award, 2003
 University of Texas School of Public Health, Dean's Teaching Excellence Award, 2008, 2010
 University of Texas Health Science Center Houston President's Award for Leadership - Outstanding Faculty; 2014
 Association of Schools & Programs in Public Health (ASPPH) Student Services Award; 2016
 Recipient, University of Texas School of Public Health, John P. McGovern Outstanding Teacher Award; 2017

Professional Licensure

1979-1990 Registered Pharmacist, Texas

Professional Organizations

Society of Toxicology – Full member

Service Activities

Committees

SPH: Admissions Committee, OH Module (1991-1994)
Minority Advisory Committee (1991-present)
SPH Representative to Interfaculty Council (1994-1996)
Chair, SPH Administrative Affairs Committee, UTHSC Interfaculty Council (1995-1996)
Member, SPH Occupational Medicine Faculty Search Committee (1993-1995)
Member, SPH Environmental Sciences Faculty Search Committee (1993-1996)
Member, SPH Nutrition Faculty Search Committee (1993-1994)
Member, SPH Faculty Research Symposium Planning Committee / Poster Presentation Chair (1995)
Member, SPH *ad hoc* Committee on MPH Thesis guidelines (1/96-5/96)
Member, SPH Course Evaluation Task Force (1999-2000)
Co-Chair, SPH Laboratory Infrastructure Task Force (7/99-2004)
Member, SPH *ad hoc* Building / Design Committee, Regional Academic Health Center-Brownsville (10/99-2000)
Member, SPH Associate Dean for Academic Affairs Search Committee (2/00-12/00)
Member, SPH Environmental Sciences Faculty Search Committee (2002)
Member, SPH Financial Aid Committee (2002 - Present)
Member, SPH Academic Council (2002 – Present)
Member, SPH Course Evaluation Committee (2002 – 2003)
Member, SPH Laboratory Assessment Task Force (9/04 – 11/04)
Member, SPH Executive Committee (3/08 – 12/15)
Member, EOHS Curriculum Committee (7/16 – Present)
Member, CEPH Steering Committee (8/17 – Present)

- GSBS: Chair, GSBS Toxicology Program Curriculum Committee (1991 – 2001)
 Member, GSBS Program Directors Committee (1996 – 2001)
 Member, GSBS Admissions Committee (1997 – 2000)
 Member, GSBS Program Coordinating Committee (1998 – 2006)
 Member, Task Force on Student Recruitment (2000-2001)
 Member, Experimental Therapeutics Program Steering Committee (9/07 – 12/11)
 Member, Experimental Therapeutics Program Executive Committee (12/10 - 12/16)
- UT Houston: Member, UTHSC Procurement & Material Management Committee (1992 – 1995)
 Member, UTHSC Animal Welfare Committee (1992 – 1994)
 Member, UTHSC Research Council (1993 – 1996)
 Member, UTHSC Graduate Student Education Council (1996 – 2000)
 Consultant, UTHSC Committee for the Protection of Human Subjects (1999 – 2001)
 Member, UTHSC Task Force on Teaching Excellence (1999 – 2000)
 Member, UTHSC Dental Branch Research Advancement Council (1999 – 2000)
 Member, UTHSC Graduate Student Education Committee (2000 – 2001)
 Member, UTHSC Diversity Council (2004 – 2007)
 Member, Search Committee, Director of Student Financial Services (2005 – 2007)
 Member, UTHSC Multicultural Affairs Committee (2005 – 2007)
 Member, UTHSC *ad hoc* Committee for Implementation of iTunes U® for UTHSC, 2007
- Local: Member, Institutional Review Board of the Houston Clinical Research Network (1993-2001)
- State: Member, Board of Directors, Texas Center on Policy Studies (2000-Present)

National: Member ASPH Centralized Application Service Committee (2004 – 2009)
Member, SOPHAS (School of Public Health Application Service) Advisory Council (2009 – Present)
Member, SOPHAS Advisory Council Board (2010 – Present)
Member, Society of Toxicology Awards Committee, *elected position*, (2011 – Present)
President, Society of Toxicology Occupational & Public Health Specialty Section, *elected position*, (2015-2016)
Chair-Elect, SOPHAS Advisory Council (2014-2016)
Chair, SOPHAS Advisory Council (2016-Present)

General Service

SPH: Secretary, Environmental Sciences Discipline (1991-1994)
Northline Project (1991-1992)
Volunteer for UT House Medics Project (Spring 1993, Fall 1993, Spring 1995)
UT House Medics Project - Team Leader (Spring, annually 1998-2007)
HDHHS / UTSPH - Collaborative Brown Bag Series Planning Committee (1994-1996)

Health Science Center:

UTHSC Minority Mentor Participant (1991-1995)
AWIS (Association of Women In Science) Mentor Project Participant (1992-1993)
Member, UT Houston Minority Faculty Association
Member, UT Houston Minority Faculty Association Executive Committee, SPH Representative 1994-2010)
Member, UT Association of Women Faculty, Executive Board (1994-1996)
Judge, Webber prize for research competition in conjunction with UT - Houston Summer Research Program for 1st year medical students (1998, 1999, 2000)
Representative for SPH to UT Houston Summer Research Program Planning Committee (1999-2002)
Faculty Preceptor, UT Houston Science Program for High School Students (2002)

Local:

I. Weiner Jewish Secondary School of Houston, Science project mentor (1992-1993)
Habitat for Humanity Women's House Project (1992)
Habitat for Humanity Women's House Project Working Committee (1993-1994)
Advisory Committee Member, Summer Conference on Opportunities in Public Health for Science Majors (1996)
Presenter, National Youth Leadership Forum on Medicine visit to GSBS and SPH at UT Houston (1996)
Presenter, Houston PREP Visit to UTSPH (1996)
Presenter, Opportunities in Public Health for Mathematics and Science Majors, UTSPH (1997)

State:

Member, Board of Directors, Texas Center for Policy Studies (2000 – 2005)

National:

Society of Toxicology, Host/Mentor for visiting Students at National Meeting (1996, 1997, 1998, 1999)
Society of Toxicology, Judge, Graduate Student Award, Mechanisms Section (1998)

Society of Toxicology, Member - Subcommittee on Minority Initiatives (1999 - 2002)
ASPH, Reviewer for ASPH/CDC/ATSDR Internship Program (1996, 1997, 1998, 2006)
Gordon Research Conference - Mechanisms of Toxicology; Subcommittee on minority recruitment (2000)
Society of Toxicology, Volunteer - Undergraduate Education Committee (2003-present)

REVIEW GROUPS

Member, Ad Hoc Contracts Technical Review Group: National Cancer Institute, 8/88.
Chair, Ad Hoc Contracts Technical Review Group: National Cancer Institute, 5/90.
Chair, Ad Hoc Contracts Technical Review Group: National Cancer Institute, 6/91.
Chair, Special Emphasis Panel Contracts Technical Review Group: NCI, 6/93.
Member, Developmental Therapeutics Contracts Review Committee, NCI, 1990 - 1994.
Member, Special Emphasis Panel Contracts Technical Review Group: NCI, 3/97.
Reviewer, Southwest Center for Environmental Research and Policy, 4/97.
Member, Special Emphasis Panel Contracts Technical Review Group; NCI, 10/97.
Reviewer, Health Research Council of New Zealand Biomedical Project Grants, 7/98.
Member, Special Emphasis Panel Contracts Technical Review Group; NIEHS, 3/99.
Member, Special Emphasis Panel Contracts Technical Review Group; NIEHS, 9/99.
Reviewer-Abstracts, Intercultural Cancer Council 7th Biennial Symposium on Minorities, the Medically Underserved and Cancer Meeting, 1999.
Member, Special Emphasis Panel Contracts Technical Review Group; NIEHS, 11/00
Member, Special Emphasis Panel Contracts Technical Review Group: NCI, 11/03
Member, Special Emphasis Panel Contracts Technical Review Group; NIEHS, 12/04
Reviewer, Center for Border Health Research Grants Program, El Paso, TX (2003, 2005, 2007)

NATIONAL COMMITTEES

National Academy of Sciences, Institute of Medicine; Committee on Environmental Justice: Research, Education, and Health Policy Needs, (1996-1999)
National Academy of Sciences, Institute of Medicine; Gulf War and Health: A Review of the Literature on Pesticides and Solvents - Member, Solvents Panel (2/01 – 12/02)

CONSULTING

Consultant to Diabetes and Biochemical Pharmacology / Toxicology core for Texas Southern University, College of Pharmacy Research Center in Minority Institutions (1992-2001)
Consultant, Clinical Scientist Training Program, Baylor College of Medicine (2005-2010)

INVITED JOURNAL REFEREE

Archives of Toxicology
Fundamental and Applied Toxicology
Toxicology and Applied Pharmacology
Toxicology In Vitro
Toxicology Methods
Journal of Toxicology & Environmental Health
Chronobiology International
Life Sciences

EDITORIAL BOARDS

Toxicology In Vitro (1995-1997)

TEACHING

- 1991-present Principles of Toxicology (PH2175/GS130063); *University of Texas School of Public Health and GSBS*. (Fall, annually) Introductory course in Toxicology offered to SPH and GSBS students. Lecture on basic principles as well as target organ toxicity. (*Course Director -Primary faculty*)
- 1991 - present Individual Studies in Toxicology (PH2499); *University of Texas School of Public Health*. Guided readings and laboratory experiments in biochemical and renal toxicology.
- 1992 - present Toxicology II: Toxic Agents (PH2177/GS130083); *University of Texas School of Public Health and GSBS*. (Spring, annually) Second semester of 1 year Toxicology sequence offered to SPH & GSBS students. Lecture on various classes of toxic agents with a focus on the biochemical and physiological effects of the compounds. (*Course Director-Primary faculty*)
- 1993 - 1995 Toxicology: Mechanisms & Sites of Action (PH2176/GS130093); *University of Texas School of Public Health and GSBS*. (Alt. Spring) Advanced biochemical and molecular toxicology course of the Toxicology sequence offered to SPH & GSBS students. Lecture on specific mechanisms of toxicity with an emphasis on cellular and molecular approaches. (*Course Director- Primary faculty*) - 1993, 1995.
- 1991 - 2000 T Toxicology Journal Club; *University of Texas School of Public Health and GSBS*. Organize and direct weekly journal club meetings for Toxicology students & faculty in the summer and fall semesters. Current papers and research in toxicology were presented & discussed by members of the group.
- 1991 - 1999 Seminar in Toxicology (PH2498/GS130721); *University of Texas School of Public Health & GSBS*. (Fall, annually) Contact person in SPH for Toxicology seminar directed by Dr. Andrij Holian. I attended seminars and guest speaker meetings with graduate students.
- 1992 - 2007 Contemporary Topics in Toxicology (PH2498/GS130611); *University of Texas School of Public Health & GSBS*. (Spring Annually) Served as contact person in SPH for this course. I attended all of the course meetings to evaluate and critique student presentations. I present 1 lecture on seminar presentation. (*Course Director - Primary faculty – 1998- 2007*)

- 1992 - 2000 Overview of Environmental Health (PH 2110). *University of Texas School of Public Health*. (Spring, annually) Present 4-6 hours on general toxicology for environmental scientists.
- Fall 1993, 1994 Multicultural Aspects of Public Health (PH 4498); *University of Texas School of Public Health*. Seminar course covering contemporary public health issues as they relate to diversity, racial and ethnic perspectives. (*Course Co-Director*)
- Spring 1994 Environmental and Occupational Epidemiology (PH2998); *University of Texas School of Public Health*. Guest lecturer on biomarkers and their use in epidemiology & toxicology.
- Fall 1995, 1997 Occupational Epidemiology (PH2998); *University of Texas School of Public Health*. Guest lecturer on biomarkers and their use in epidemiology & toxicology.
- Fall 1995 - 1997 Multicultural Aspects of Public Health (PH 4498); *University of Texas School of Public Health*. Guest lecture on Environmental Equity.
- Fall 1995 - 1997 Environmental Toxic Torts (PH3998); *University of Texas School of Public Health*. Guest lecture on general introduction to toxicology.
- Spring 1996 Introduction to Environmental Health (PHS2110); *University of Texas School of Public Health*. Presented 4 hours on pesticides as guest lectures at San Antonio Satellite.
- Spring 1996, 1998 Occupational Health (PH6610); *University of Texas School of Public Health*. Guest lecture on pesticide toxicity.
- Summer 1996 Epidemiology Proposal Development (PH2998); *University of Texas School of Public Health* present Guest lecture on proposal development in environmental toxicology.
- Fall 1997 Environmental Epidemiology (PH2998); *University of Texas School of Public Health*. Guest lecture on biomarkers.
- Sum 1996 & Sp'98 Social Inequality (SOC3306); *University of Houston, Downtown*. Guest lecture on Environmental Justice issues.
- Fall 1999 Topics in Public Health, History, Science, and Practice (PH5498); *University of Texas School of Public Health*. Guest lecture on Environmental Justice.
- Spring 2000 Ethics and Public Health (PH3820); *The University of Texas School of Public Health*. Guest lecture on Environmental Justice.
- Spring 2009- 2018 Man's Impact on the Environment (PHW2120L); *The University of Texas School of Public Health*. Lead / sole Instructor 3xper year.
- Spring 2015- Present Capstone (PH9996); *The University of Texas School of Public Health*. Co-Instructor; teaching each spring term.
- Fall 2016-Present Special Topics – History & Culture of Disease & Health; Co-Instructor; annually
- Summer 2018 - Developed new EOHS Core MPH Course- PHWM2110L-Public Health Ecology & the Human Environment.

GRANTS

Funded:

- 1985 - 1987 National Research Service Award; "Biochemical toxicology of nephrotoxic nitrosureas". Postdoctoral Fellowship, NIADDK.
- 11/87 - 9/88 UNM BRSG Program; "Effects of vancomycin on renal protein and phospholipid synthesis". \$4,000; **M.A. Smith**, principal investigator.
- 1/88 -6/88 UNM RAC Program; "An in vitro model for renal regeneration & repair following toxicant-induced injury." \$2,500; **M.A. Smith**, principal Investigator.
- 5/88 - 9/88 AACP Research participation program; "Analysis of renal phospholipids by HPLC"(Sponsor for Russell Hildebrandt). \$3,500.
- 12/88 - 5/89 UNM BRSG Program; "Target organ sensitivity to drug-induced oxidative stress in sedentary vs exercise-trained rats." \$4,350; **M.A. Smith**, principal investigator.
- 7/91 - 1/93 Johns Hopkins Center for Alternatives to Animal Testing; "Characterization of an in vitro model for the assessment of toxicant-induced distal tubular damage". \$24,000; **M.A. Smith**, principal investigator.
- 10/91 - 9/92 UTHSC School of Public Health BRSG Program; "The effects of exercise training on hepatic susceptibility to oxidative stress." \$5,000; **M.A. Smith**, principal investigator.
- 1/93-12/97 NIH FIRST Award ; "Mechanisms of vancomycin-induced nephrotoxicity". \$348,110. **M.A. Smith**, principal investigator.
- 1/98-12/98 NIH FIRST Award: "Mechanisms of vancomycin-induced nephrotoxicity". No cost extension. **M.A. Smith**, principal investigator.
- 4/94-12/95 NIH; "Mechanisms of vancomycin-induced nephrotoxicity-Minority student supplement". \$53,773. **M.A. Smith**, principal investigator.
- 9/93-6/96 NIH; "Human reproductive effects of polyhalogenated biphenyls". \$349,879, Anne Sweeney, principal investigator; **M.A. Smith**, 10% effort, collaborating investigator.
- 5/95-4/96 NCI; "Tracing migrant farm workers in Starr County, Texas". \$24,982. Sharon Cooper, principal investigator; **M.A. Smith**, 5% effort, collaborating investigator.

- 9/95-8/96 NCI; "Migrant farmworker questionnaire pretest". \$3,713. Sharon Cooper, principal investigator; **M.A. Smith**, 5% effort, collaborating investigator.
- 7/96-6/01 NIH; "Joint training program to study toxic mechanisms". \$756,078 - direct costs. Andrij Holian, principal investigator; **M.A. Smith**, 10% effort, Training coordinator.
- 4/00-3/03 NIEHS, "Mechanisms of pesticide - induced distal nephron injury". \$696,815 - direct costs. D. Molony, principal investigator; **M.A. Smith**, 25% effort, co-principal investigator.

PUBLICATIONS

Manuscripts (peer reviewed):

- J. P. Kehrer, R. Pearlman & **M. A. Smith**. Direct effects of corticosteroids on in vitro collagen production by normal & damaged lung tissue. *Toxicology* 28: 235-246, 1983.
- D. Acosta, E. M. B. Sorenson, D. C. Anuforo, D. B. Mitchell, K. Ramos, K. S. Santone & **M. A. Smith**. An in vitro approach to the study of target organ toxicity of drugs & chemicals. *In Vitro Cell. Dev. Biol.* 21: 495-504, 1985.
- A. W. Butler, **M. A. Smith**, R. P. Farrar & D. Acosta. Ethanol toxicity in primary cultures of rat myocardial cells. *Toxicology* 36: 61-70, 1985.
- C. Litterst, J. H. Smith, **M. A. Smith**, J. Uozumi & M. Copley. Sensitivity of urinary enzymes as indicators of renal toxicity of the anticancer drug cisplatin. *Uremia Invest.* 9: 111-117, 1986.
- M. A. Smith**, D. Acosta & J. V. Bruckner. Development of a primary culture system of rat kidney cortical cells to evaluate nephrotoxicity of xenobiotics. *Food & Chem. Toxicol.* 24:551-556, 1986.
- M. A. Smith** & D. Acosta. Cephaloridine toxicity in primary cultures of rat kidney cortical epithelial cells. *Toxicol. In Vitro.* 1: 23-29, 1987.
- A. W. Butler, R. P. Farrar, **M. A. Smith** & D. Acosta. Attenuation of ethanol effects in primary myocardial cell cultures from offspring of swim-trained pregnant rats. *Toxicol. In Vitro.* 1: 39-44, 1987.
- A. W. Butler, **M. A. Smith**, R. P. Farrar & D. Acosta. The effects of ethanol on calcium uptake in primary myocardial cell cultures from offspring of swim-trained pregnant rats. *Biochem. Biophys. Res. Comm.* 142: 496-500, 1987.
- M. A. Smith**, J. H. Smith, C. L. Litterst, M. P. Copley, J. Uozumi & M. R. Boyd. In vivo biochemical indices of nephrotoxicity of platinum analogs tetraplatin, CHIP & cisplatin in the F-344 rat. *Fund. Appl. Toxicol.* 10: 62 - 72, 1988.
- J. H. Smith, **M. A. Smith**, C. L. Litterst, M. P. Copley, J. Uozumi & M. R. Boyd. Comparative toxicity & renal distribution of the platinum analogs tetraplatin, CHIP & cisplatin at equimolar doses. *Fund. Appl. Toxicol.* 10: 45 - 61, 1988.
- A. A. Welder, **M. A. Smith**, K. Ramos & D. Acosta. Cocaine-induced cardiotoxicity in vitro. *Toxicol. In Vitro* 2: 205-213, 1988

M.A. Smith, J. Swann & D. Acosta. Isolation and primary culture of rat renal cortical epithelial cells. *J. Tiss. Cult. Methods* 11: 207-210, 1988.

Y. Tong, **M.A. Smith**, & S.B. Tucker. Chronic ultraviolet exposure-induced p53 gene alterations in sencar mouse skin carcinogenesis model. *J. Toxicol. Env. Health* 51: 219-234, 1997.

A.S. Soliman, **M.A. Smith**, S. Cooper, K. Ismail, H. Khaled, S. Ismail, R.S. McPherson, I.A. Seifeldin, & M.L. Bondy. Serum organochlorine pesticide levels in patients with colorectal cancer in Egypt. *Arch. Env. Health*. 52: 409-415, 1997.

Y. Tong, S.B. Tucker, & **M.A. Smith**. Expression of Hras - p21 Keratin K13 in UVR-induced skin tumors in Sencar mice. *J. Toxicol. Environ. Health* 53: 439-453, 1998.

A.M. Sweeney, E. Symanski, K. Burau, **M.A. Smith**, Y. Kim., and H.E.B. Humphrey. Changes in serum PBB and PCB levels over time among women of varying ages at exposure. *Env. Res.* 86: 128-139, 2001.

Zahm, S.H., Colt, J.S., Engel, L.S. Keifer, M.C., Alvarado, A.J., Burau, K., Butterfield, P., Caldera, S., Cooper, S.P., Garcia, D., Hanis, C., Hendrikson, E., Heyer, N., Hunt, L.M., Krauska, M., MacNaughton, N., McDonnell, C.J., Mills, P.K., Mull, L.D., Nordstrom, D.L., Outterson, B., Slesinger, D.P., **Smith, M.A.**, Stallones, L., Stephens, C., Sweeney, A., Sweitzer, K., Vernon, S.W., Blair, A. Development of a life events / icon calendar questionnaire to ascertain occupational histories and other characteristics of migrant farmworkers. *Am. J. Ind. Med.* 40: 490-501, 2001.

S.P. Cooper, K. Burau, A. Sweeney, T. Robison, **M.A. Smith**, E. Symanski, J.S. Colt, J. Laseter, & S.H. Zahm. Prenatal exposure to pesticides: A feasibility study among migrant and seasonal farmworkers. *Am. J. Ind. Med.* 40: 578-585, 2001.

S.P. Cooper, K. Burau, C. Hanis, J. Henry, N. MacNaughton, T. Robison, **M.A. Smith**, A. Sweeney, S.W. Vernon, and S.H. Zahm. Tracing migrant farmworkers in Starr County, Texas. *Am. J. Ind. Med.* 40: 586-591, 2001.

King, D.W. & **Smith, M.A.**. Proliferative responses observed following vancomycin treatment in renal proximal tubule epithelial cells. *Toxicol. In Vitro*. 18: 797-803, 2004.

A.L. Piskac & **M.A. Smith**. Lindane-induced generation of reactive oxygen species and depletion of glutathione do not result in necrosis in renal distal tubule cells. *J. Toxicology & Environmental Health* 72: 1160-1167, 2009. (PMCID: 20077184)

Broussard, C.S., Goodman, K.J., Phillips, C.V., **Smith, M.A.**, Fischbach, L.A., Day, R.S., & Aragaki, C.C. Antibiotics taken for other illnesses and spontaneous clearance of *Helicobacter pylori* infection in children. *Pharmacopeid. & Drug Safety* 18: 722-729, 2009. (PMCID: 19455592)

Cooper, S.P. McCormick, J.B., Chappell, C.L. Clare, N., Vela, L., Walker, T., **Smith, M.A.**, Heilbrun, L.P., Stark, D.L., Schoenty, R., Urrutia-Rojas, X., Miller, C.S. Texas needs physicians trained in public health: A New 4-year integrated MD/MPH degree program. *Tex. Med.* 106: (4) e 1, 2010.

Nnoli, Nnamdi C., Linder, Stephen H., Smith, Mary A., Gemeinhardt, Gretchen L. & Zhang, Kai. J. The combined effect of ambient ozone exposure and toxic air releases on hospitalization for asthma among children in Harris County, Texas. *International Journal of Environmental Health* 28: 358-378, 2018. <https://doi.org/10.1080/09603123.2018.1479515>

Yucel, Emre; DeSantis, Stacia; Smith, Mary A; Lopez, David S. Association between low-testosterone and kidney stones in US men: The national health and nutrition examination survey 2011-2012. *Preventive Medicine Reports*. 10:248-253, 2018 Jun. 10.1016/j.pmedr.2018.04.002 [doi] S2211-3355(18)30054-8 [pii] PMC5984232 [pmc]

Brief Communications

S. H. Zahm, A. Blair, and the Farmworker Epidemiology Research Group*. Cancer feasibility studies among migrant farmworkers. *Am. J. Ind. Med.* 32: 301-302, 1997, (*member

Book Chapters & Reviews:

M. A. Smith, W. R. Hewitt & J. B. Hook. In vitro methods in renal toxicology. In: *In Vitro Methods in Toxicology*. C. K. Atterwill & C. E. Steele (eds.). Cambridge University Press. pp13-35, 1987.

C. Litterst, J.H. Smith, **M.A. Smith**, M. Copley & J. Uozumi. Sensitivity of in vitro ion accumulation, gluconeogenesis & other parameters as indicators of cisplatin-induced renal toxicity. In: *Nephrotoxicity: Extrapolation from In Vitro to In Vivo & From Animals to Man*. P.H. Bach & E.A. Lock (eds.) Plenum Press. pp371-375, 1989.

D. Acosta, K. Ramos, **M.A. Smith**, J. Swann & J. Davila. An *in vitro* approach to the study of target organ toxicity. In: *In Vitro Methods in Toxicology*. G. Jolles & A. Cordier (eds.) Academic Press. pp43-56, 1992.

R.L. Grant, D. Acosta, & **M.A. Smith**. Experimental models for the investigation of toxicological mechanisms. In: *Comprehensive Toxicology*; I.G. Sipes, C.A. McQueen, and A.J. Gandolfi, Eds. Vol. 1, General Principles; Elsevier Science. pp 205-218, 1997.

Committee Reports:

Environmental Justice. Toward Environmental Justice - Research, Education, and Health Policy Needs. National Academy Press, 1999.

Gulf War & Health, Volume 2. Insecticides and Solvents. National Academy Press, 2003.

PRESENTATIONS AT SCIENTIFIC MEETINGS

For oral presentations (platform), the name of the presenting author is underlined. Entries With no underlined author are poster presentations. All presentations listed were peer reviewed.

National Meetings:

M. A. Smith & D. Acosta. (1982) Effects of HgCl₂ on alkaline phosphatase activity, lactate dehydrogenase activity & cell morphology in primary renal epithelial cell cultures. Annual Meeting of the Society of Toxicology, Louisville, KY. *The Toxicologist* 2: 146.

M. A. Smith & D. Acosta. (1983) Effects of acetaminophen on primary cultures of rat kidney epithelial cells. Annual Meeting of the Society of Toxicology, Las Vegas, NV. *The Toxicologist* 3:112.

M. A. Smith & D. Acosta. (1983) Cephaloridine toxicity in primary cultures of rat kidney epithelial cells. Annual Meeting of the American Society of Pharmacology and Experimental Therapeutics, Philadelphia, PA. *The Pharmacologist* 25: 272.

M. A. Smith & D. Acosta. (1984) Effect of cephaloridine on cellular ATP content & mitochondrial succinate dehydrogenase activity in primary cultures of rat kidney cortical epithelial cells. Annual Meeting of the Society of Toxicology, Atlanta, GA. *The Toxicologist* 4: 31.

A. W. Butler, **M. A. Smith**, R. P. Farrar & D. Acosta. (1984) Ethanol toxicity in neonatal rat heart cell cultures. Annual Meeting of the American Society of Pharmacology and Experimental Therapeutics, Indianapolis, IN. *The Pharmacologist* 26: 182.

A. W. Butler, **M. A. Smith**, R. P. Farrar & D. Acosta. (1985) The interaction of maternal exercise & ethanol on calcium uptake in neonatal myocardial cells. Annual Meeting of the Sports Medicine Society, Nashville, TN. Med. Sci. Sports Exercise 17: 213.

A. W. Butler, **M. A. Smith**, R. P. Farrar & D. Acosta. (1985) Ethanol toxicity in primary cultures of rat myocardial cells from offspring of swim-trained mothers. Annual Meeting of the Tissue Culture Association, Washington, D.C. In Vitro 21: 29A.

M.A. Smith, D. Acosta & M. R. Boyd. (1985) Comparison of primary renal cortical cell cultures derived from neonatal & adult rats. Annual Meeting of the Federation of American Societies for Experimental Biology, Anaheim, CA. Fed. Proc. 44: 1103.

J. H. Smith, **M. A. Smith**, C. Litterst, M. Copley, J. Uozumi & M. R. Boyd. (1985) Nephrotoxicity of tetraplatin: An alternative to cisplatin. Annual Meeting of the American Society of Pharmacology and Experimental Therapeutics, Boston, MA. The Pharmacologist 27: 199.

M. A. Smith, J. H. Smith, C. Litterst, M. Copley, J. Uozumi & M. R. Boyd. (1985) Early non-invasive detection of tetraplatin & cisplatin nephrotoxicity. Annual Meeting of the American Society of Pharmacology and Experimental Therapeutics, Boston, MA. The Pharmacologist 27: 199.

M. A. Smith, A. C. Silver, G. L. Lage & W. R. Hewitt. (1986) Nephrotoxicity of vancomycin in female sprague-dawley rats. Annual Meeting of the Society of Toxicology, New Orleans, LA. The Toxicologist 6: 175.

A. C. Silver, **M. A. Smith**, G. L. Lage & W. R. Hewitt. (1986) Increased renal protein & phospholipid content in vancomycin (VAN)-treated rats & mice. Annual Meeting of the American Society of Pharmacology and Experimental Therapeutics, Baltimore, MD. The Pharmacologist 28: 123.

M. A. Smith, G. L. Lage & W. R. Hewitt. (1986) Interaction of Vancomycin (VAN) with phospholipids. Annual Meeting of the American Society of Pharmacology and Experimental Therapeutics, Baltimore, MD. The Pharmacologist 28: 123.

M. A. Smith, A. C. Silver & W. R. Hewitt. (1987) Improved renal cortical slice system for assessment of chemical-induced injury in vitro. Annual Meeting of the Society of Toxicology, Washington, D.C. The Toxicologist 7: 88.

A. A. Welder, **M.A. Smith**, K. Ramos & D. Acosta. (1988) Cocaine toxicity in primary cardiac muscle & non-muscle cell cultures. Annual Meeting of the Society of Toxicology, Dallas, TX. The Toxicologist 8: 15

M.A. Smith, D.L. Kaplan & R. Hildebrandt. (1989) Effect of polyaspartic acid pretreatment on vancomycin-induced nephrotoxicity. Annual Meeting of the Society of Toxicology, Atlanta, GA. The Toxicologist 9: 174.

D.L. Kaplan, **M.A. Smith** and R. Hildebrandt. (1990) Effects of chronic swim-training and bouts of acute exhaustive exercise on hepatic and renal function following allyl alcohol administration. Annual Meeting of the Society of Toxicology, Miami, FLA. The Toxicologist 10: 301.

D.L. Kaplan, P.L. Mann, P.G. Zager & **M.A. Smith**. (1991) Activation of the polyol pathway may contribute to increased risk of radiocontrast agent nephrotoxicity in diabetes. Annual Meeting of the Society of Toxicology, Dallas, TX. The Toxicologist 11: 139.

D.L. Kaplan, P.G. Zager, D. Eshima, P.L. Mann & **M.A. Smith**. (1992) Radiocontrast agent induced nephrotoxicity in the galactose fed rat model. Annual Meeting of the Society of Toxicology, Seattle, WA. *The Toxicologist* 12: 430.

M.A. Smith. (1993) Effect of exercise training on CCl₄-induced hepatotoxicity. Annual Meeting of the Society of Toxicology, New Orleans, LA. *The Toxicologist* 13: 363.

A.L. Stock & **M.A. Smith**. (1994) Utility of kallikrein as a marker for vancomycin-induced distal tubular injury. Annual meeting of the Society of Toxicology, Dallas, TX. *The Toxicologist* 14: 67.

H.E. Smith & **M.A. Smith** (1994) Nephrotoxicity of pentamidine *in vitro*. Annual meeting of the Society of Toxicology, Dallas, TX. *The Toxicologist* 14: 150. (Poster discussion session)

A.M. Sweeney, J. Zhong, C.C. Wun, K. Burau, & **M.A. Smith**. (1994) Changes in serum PBB and PCB levels over time in women of childbearing age. Joint meeting of International Society for Exposure Analysis and International Society of Environmental Epidemiology, Research Triangle Park, N.C.

D.Y. Waller & **M.A. Smith** (1995) Effects of vancomycin on cellular protein in primary cultures of renal cortical epithelial cells. Annual meeting, Society of Toxicology, Baltimore, MD. *The Toxicologist* 15: 296.

A.L. Stock & **M.A. Smith** (1995) *In vitro* nephrotoxicity associated with *g*-hexachlorocyclohexane or lindane. Annual meeting, Society of Toxicology, Baltimore, MD. *The Toxicologist* 15: 298.

C.C. Yang & **M.A. Smith** (1995) Timecourse and potential mechanisms for vancomycin accumulation *in vivo* and *in vitro*. Annual meeting, Society of Toxicology, Baltimore, MD. *The Toxicologist* 15: 296.

J.W. Chandler & **M.A. Smith** (1995) Direct effects of *in vitro* vancomycin (VAN) on rat renal cortical mitochondrial function. Annual meeting, Society of Toxicology, Baltimore, MD. *The Toxicologist* 15: 296.

A.L. Stock & **M.A. Smith** (1996) Effects of benzodiazepine (BZD) agonists and antagonist on lindane-induced toxicity in renal cortical slices. Annual meeting, Society of Toxicology, Anaheim, CA. *Fund. Appl. Toxicol. (Suppl.)* 30: 307.

C.C. Yang & **M.A. Smith** (1996) Effect of cimetidine on renal vancomycin (VAN) accumulation and toxicity. Annual meeting, Society of Toxicology, Anaheim, CA. *Fund. Appl. Toxicol. (Suppl.)* 30: 307.

S. Cooper, K. Burau, C. Hanis, **M.A. Smith**, A. Sweeney, S. Vernon, C-C Wun, J. Henry, N. MacNaughton, T. Robison, and S. H. Zahm (1997) Tracing Migrant Farmworkers in Starr County, TX. Annual Meeting of American Public Health Association, Indianapolis, IN.

S. Cooper, K. Burau, C. Hanis, **M.A. Smith**, A. Sweeney, S. Vernon, C-C Wun, J. Henry, N. MacNaughton, T. Robison, and S. H. Zahm (1997) Tracing Migrant Farmworkers in Starr County, TX. Annual Meeting of the Society of Epidemiologic Research, Edmonton, Alberta, Canada.

D.W. King and **M.A. Smith** (1998) Assessment of a vancomycin (VAN) - induced cell proliferative effect in renal cell culture. Annual meeting, Society of Toxicology, Seattle, WA. *Toxicological Sci. (Suppl.)* 42; No. 1-S: 378.

M.A. Smith, A.L. Stock, C.C. Yang, and T. Franklin (1998) Effects of AP-5 and glycine on pentamidine (PNT) - induced cytotoxicity in LLC-PK1, cells. Annual meeting, Society of Toxicology, Seattle, WA. Toxicological Sci. (Suppl.) 42; No. 1-S: 379.

D.A. Molony, P. Mehta, and **M.A. Smith** (1998) Pesticide induced apoptosis of murine medullary thick ascending limb (MTAL) cells (ST-1) in culture is inhibited by C1- channel agonists. Annual meeting, Society of Toxicology, Seattle, WA. Toxicological Sci. (Suppl.) 42; No. 1-S: 379.

A.L. Stock, L. Li, and **M.A. Smith** (1998) In vitro toxicity associated with lindane (1-hexachlorocyclohexane) in Madin Darby canine kidney (MDCK) cells. Annual meeting, Society of Toxicology, Seattle, WA. Toxicological Sci. (Suppl.) 42; No. 1-S: 399.

Cooper, S.P., Burau, K., Hanis, C., **Smith, M.A.**, Sweeney, A., Vernon, S., Wun, C.C., Henry, J., MacNaughton, N., Robison, T., and Zahm, S.H. (1998) Tracing migrant farmworkers in Starr County, TX. Special Session on Feasibility of Epidemiologic Research on Cancer Among Migrant Farmworkers. Annual Meeting, The American Public Health Association, Washington, D.C.

A. Sweeney, C.C. Wun, K. Burau, Y. Kim, **M. A. Smith**, and H. Humphrey (1998) Serum PBB/PCB levels and birthweight and gestational age. Presented at the International Society of Environmental Epidemiology / International Society of Exposure Analysis Joint Meeting, Boston, MA.

Kim, Y.J., Sweeney, A.M., cooper S.P., Humphrey, H.E.B., Lee, E.S., **Smith, M.A.** (1999) Serum polychlorinated biphenyls (PCBs) and Breast Cancer. American College of Epidemiology.

D.W. King and **M.A. Smith** (1999) Investigation of vancomycin (VAN) - induced renal regeneration: Role of growth factors. Annual meeting, Society of Toxicology, New Orleans, LA. Toxicological Sci. (Suppl.) 48, No. 1-S: 25.

R.L. Baty and **M.A. Smith** (1999) Inhibition of cellular respiration in non permeabilized LLC-PK1 cells: A possible mechanism for pentamidine nephrotoxicity. Annual meeting, Society of Toxicology, New Orleans, LA. Toxicological Sci. (Suppl.) 48, No. 1-S: 25.

A.L. Stock and **M.A. Smith** (1999) Modulation of the peripheral benzodiazepine (BZD) reception as a possible mechanism for lindane (LIN) toxicity in Madin Darby canine kidney (MDCK) cells. Annual meeting, Society of Toxicology, New Orleans, LA. Toxicological Sci. (Suppl.) 48, No. 1-S: 26.

R. L. Baty and **M.A., Smith** (2000) Pentamidine-induced alteration in mitochondrial membrane potential in LLC-PK1 Cells. Annual Meeting, The Society of Toxicology, Philadelphia, PA. Toxicological Sci. (Suppl.) 54, No. 1-S: 405.

J.P. Bercu & **M.A., Smith** (2000) Modulation of the benzodiazepine (BZD) receptro / GABA complex affects cell death induced by oxidant stress in Madin Darby Canine Kidney (MDCK) cells. Annual Meeting, The Society of Toxicology, Philadelphia, PA. Toxicological Sci. (Suppl.) 60 No. 1-S: 406.

R. L. Baty* and **M.A., Smith** (2000) Pentamidine-induced alteration in mitochondrial membrane potential in LLC-PK1 Cells. Gordon Research Conference, Mechanisms of Toxicity, Plymouth, NH. * Recipient of Student Travel Award.

R.L. Baty & **M.A. Smith** (2001) Acute exposure with pentamidine isoethionate results in a loss in mitochondrial membrane potential in LLC-PK1 cells. Annual Meeting, The Society of Toxicology, San Francisco, CA Toxicological Sci. (Suppl.) 54, No. 1-S: 313.

D.W. King & **M.A. Smith** (2001) MAPK involvement in Van-induced renal regeneration. Annual Meeting, The Society of Toxicology, San Francisco, CA Toxicological Sci. (Suppl.) 54, No. 1-S: 313.

A.L. Piskac & **M.A. Smith** (2004) Pentamidine-induced injury in LLC-PK1 cells is not mediated by NMDA receptor antagonism. Annual Meeting, The Society of Toxicology, Baltimore, MD. Toxicological Sci. (Suppl.) 78 No. 1-S: 443.

A.L. Piskac & **M.A. Smith** (2006) Evaluation of oxidative damage and renal distal tubular antioxidant enzyme response following exposure to lindane. Annual Meeting, The Society of Toxicology, San Diego, CA Toxicological Sci. (Suppl.) 90 No. 1-S: 93.

A.L. Piskac & **M.A. Smith** (2007) Lindane-induced modulation of glutathione status in MDCK cells does not result in necrotic injury. Annual Meeting, The Society of Toxicology, Charlotte, NC. Toxicological Sci. (Suppl.) 96, No. 1-S: 95

N. Rivera-Del Valle, M.A. Hernandez, **M.A. Smith** & L.A. Jones (2007) Genetic susceptibility to organophosphate toxicity in a group of migrant seasonal farmworker women of Mexican origin residing in Texas. Annual Meeting, The Society of Toxicology, Charlotte, NC. Toxicological Sci. (Suppl.) 96, No. 1-S: 412.

C.S. Broussard, K.J. Goodman, C.V. Phillips, **M.A. Smith**, L.A. Fischbach, C.C. Aragaki, R.S. Day. (2007) Effect of antibiotics taken for other illnesses on incidence of Helicobacter Pylori infection in children. Annual meeting of Society of Epidemiology Research, Boston, MA.

A.L. Piskac & **M.A. Smith**. (2008) Lindane-induced apoptosis in MDCK cells correlates with down-regulation of BCL-XL under conditions of hypertonic stress. Annual Meeting, The Society of Toxicology, Seattle, WA. Toxicological Sci. (Suppl.) 102, No. 1-S: 96.

INVITED PRESENTATIONS

Nephrotoxicity evaluation in vitro. Continuing education symposium on the use of in vitro systems for mechanistic studies and screening of toxicity. Annual meeting of Society of Toxicology, Washington, D.C. (1987).

In vitro evaluation of nephrotoxicity. Inhalation Toxicology Research Institute, Lovelace Biomedical & Environmental Research Institute, Inc. Albuquerque, NM. (1988).

Nephrotoxicity. Symposium on toxicology & humans. Annual meeting of Mountain West Society of Toxicology, Salt Lake City, UT. (1988).

Vancomycin-induced nephrotoxicity in the Sprague-Dawley rat. University of Houston, College of Pharmacy, Houston, TX. (1991).

Effects of exercise training on hepatic susceptibility to toxicant induced damage. University of Texas Toxicology Program, Houston, TX (1992).

Health hazards associated with art supplies and chemicals. Art Health & Safety Symposium, San Jacinto College South, Houston, TX (1992).

Panelist for Symposium on the Environment. Northwest College, Houston Community College System, Houston, TX (1993).

Mechanisms of Vancomycin-Induced Nephrotoxicity. Dept. of Pharmacology, The University of Texas at Austin, Austin, TX (1995).

Scientific Presentations: Some Practical Do's and Don'ts; Association of Women in Science, Houston Chapter. The University of Texas Medical School, Houston, TX (1995).

Application of cell culture techniques for the evaluation of nephrotoxicants. College of Pharmacy and Health Sciences, Texas Southern University, Houston, TX (1997).

Co-Presenter, How to Find a Career Focus: Pathways to Scholarship; Association of Women Faculty, UT - Houston (1997).

Lindane-induced renal cell injury: A model system to investigate the role of peripheral benzediazepine receptors in apoptosis. Plenary session - UTSPH Faculty Research Symposium (1998).

Toxicology: Bridging Bench Science and Community Health. Undergraduate education program for minority students. Annual meeting, The Society of Toxicology, Philadelphia, PA (2000).

Toxicology: A Basic Science Approach to Community Health. Dept of Biology, New Mexico Highlands University, Las Vegas, NM (2003).

Advising Minority Students: A Graduate Admissions Perspective. Undergraduate Education Program, Annual meeting, The Society of Toxicology, San Diego, CA (2006)

Advising Prospective Applicants to Graduate Programs in Public Health, Texas Association for Advisors in the Health Professions (2006)

Toxicology and Public Health. Dept. of Biology, Prairie View A & M University, Prairie View, TX (2007).

Occupational Exposures, Toxic Insult and Vulnerable Populations: A Public Health Perspective on Susceptibility Factors. Annual meeting of the Mid-Atlantic Society of Toxicology, Bordentown, NJ (2008)

Panelist, Graduate Schools of Public Health: What Students Need to Know. Become a Disease Detective Conference, The University of Texas, Austin, TX (2008)

Using Safe Assign® to Screen Admissions Goals Statements for Plagiarism. ASPH SOPHAS Committee Meeting, Annual ASPH Meeting, Washington, D.C., 2011.

COMMUNITY SERVICE PRESENTATIONS

Panelist and Tour guide for *Take our Daughters to Work*; Sponsored by the women's organizations of Baylor College of Medicine, UT-Houston Health Science Center and UT-MD Anderson Cancer Center, Houston, TX (1994, Tour 1997).

Pharmacology and Toxicology of Medicinal Plants. Lanier Middle School 6th grade all girls science class. Houston, TX (1995).

Careers in Toxicology and Public Health. Lanier Middle School G.I.R.L.S. Science Club (1996).

Poisons, Potions, and Remedies. *Expanding Your Horizons* in Math & Science Conference. Sponsored by A.A.U.W. (1997, 1998).

Overview of Toxicology and Public Health. UT Pan American ITV course "Concepts in Biomedical Research". College of Education graduate course (1997).

Household Pesticide Application - Issues and Concerns. Mothers for Clean Air, Houston, TX (1999).

Pesticides and Children. Kingwood YMCA, Houston, TX (1999).

Panelist; Responding to Incidents of Pesticide Mis-Use. Texas Pesticide Information Network - Conference: New Perspectives on Pesticides, Houston, TX (1999).

The Scientific Method: Applications to Middle School & High School Science Fair Projects. Teacher Workshop - Weslaco I.S.D.; Weslaco, TX (2000).

Applying the Scientific Method to Elementary School Science Fair Projects. Teacher Workshop – Weslaco I.S. D.; Weslaco, TX (2000).

Environmental Justice Issues & Public Health. Mothers for Clean Air, Houston, TX (2001).
Introduction to Concepts in Toxicology, Community Action Committee, Deer Park, TX, (2007)

CONTINUING EDUCATION LECTURES

Toxicology of Pesticides. Border Environmental Health Education Program. El Paso, Harlingen, and Laredo, TX (1995).

Case Study on Heavy Metal Poisoning. Border Environmental Health Education Program. El Paso, Harlingen, and Laredo, TX (1995).

Toxicology of Pesticides. Texas' Experience in Environmental Management. Juarez Group. Houston, TX (1995).

Border Health Project. Toxicology has no Borders: West Texas Regional Poison Center 2nd Annual Binational Conference. El Paso, TX (1996).

Pesticide and Herbicide Exposures. Occupational Medicine for Primary Care: Clinical Review. Houston, TX (1996, 1997, 2000).

Renal Disease and Heavy Metal Poisoning. Occupational Medicine for Primary Care: Clinical Review. Houston, TX (1996, 1997).