

Mary Ann Smith, PhD | Curriculum Vitae

UTHealth School of Public Health
1200 Pressler, RAS-W-214
Houston, TX 77030
(713) 500-9236 *phone* / (713) 500-9068 *fax*
Mary.A.Smith@uth.tmc.edu

Personal

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

Education

PhD The University of Texas at Austin, 1984, Pharmacology & Toxicology
BS The University of Texas at Austin, 1979, Pharmacy

Academic Administration Positions

Assistant Dean for Students, UTHealth School of Public Health, Houston, TX (01/2016-present)

Associate Dean for Student Affairs, UTHealth School of Public Health, Houston, TX (03/2008-12/2015)

Assistant Dean for Academic Affairs, UTHealth School of Public Health, Houston, TX (01/2002- 02/2008)

Co-Director, Toxicology Program, UTHealth School of Public Health /MD Anderson UTHealth Graduate School of Biomedical Sciences (10/1993 – 12/2001)

Faculty & Research Appointments

Assistant Professor, Environmental Sciences / Toxicology – UTHealth School of Public Health, Dept. Epidemiology, Human Genetics & Environmental Sciences, Houston, TX (01/1991 – Present)

Member, Graduate Faculty, MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences, Toxicology Program / Experimental Therapeutics Program, Houston, TX (08/1991 – Present)

Assistant Professor, Pharmacy (Pharmacology / Toxicology – College of Pharmacy, The University of New Mexico, Albuquerque, NM (07/1987 – 01/1991)

Postdoctoral Fellow, Department of Investigative Toxicology, Smith Kline & French Laboratories / Department of Pharmacology & Toxicology, Philadelphia College of Pharmacy & Science, Philadelphia, PA (07/1985 – 07/1987)

Staff Fellow; Laboratory of Experimental Therapeutics & Metabolism, National Cancer Institute, National Institutes of Health, Bethesda, MD (03/1984 – 08/1985)

Selected Honors & Awards

Leadership & Administration

- 2016 **ASPPH** (Association of Schools & Programs in Public Health) Award for Excellence in Student Services
- 2014 **UTHealth** President's Award for Leadership: Outstanding Faculty (Institutional Award)

Teaching

- 2017 UTHealth School of Public Health, John P. McGovern Outstanding Teacher Award
- 1995 UTHealth School of Public Health, John P. McGovern Outstanding Teacher Award
- 1990 University of New Mexico College of Pharmacy Outstanding Teacher
- 1990 University of New Mexico Graduate & Undergraduate Teacher of the Year Award; (First time Graduate & Undergraduate Teaching Award given at one time to same person)

Selected Committee Experience

- National** Member, Associations of Schools & Programs in Public Health (**ASPPH**) *Inclusive Excellence through an Anti-racism Lens* Expert Panel, 07/2021 – Present
- Member, **ASPPH** Data Advisory Committee, 03/2019 – Present
- Member, ASPPH Student Services Section, 03/2018 – Present
- Chair, ASPPH Student Services Assembly, 03/2020 – Present
- Chair-Elect, **ASPPH** Student Services Assembly, 12/2018 – 03/2020
- Immediate Past-Chair, **SOPHAS** (Schools of Public Health Application Service) Recruitment & Advisory Committee (SRAC), 11/2018 – Present
- Chair, **SOPHAS-SRAC**, 11/2017 – 10/2018
- Chair-Elect, **SOPHAS-SRAC**, 11/2016 – 10/2017
- Member, **SOPHAS-SRAC**, 2008 – Present

- University** Member, UTHealth Executive Compliance Committee, 01/19 – Present
- Member, UTHealth 504 Disability Coordinator Committee, 01/16 – Present
- Member, UTHealth Student Services Council, 2013 – Present
- School** Member, UTHealth SPH CEPH (Council for Education in Public Health) Steering Committee for re-accreditation, 08/2018 – 10/2019
- Member, UTHealth SPH **Inclusion, Diversity, Equity, and Advocacy (IDEA) Committee**, 2016 – Present
- Member, UTHealth SPH Scholarship, Traineeship, and Award Committee, 03/2008 – Present
- Member, UTHealth SPH Academic Council, 03/2008 – Present
- Member, UTHealth Environmental & Occupational Health Curriculum Committee, 01/2016 – Present
- Member, UTHealth SPH Executive Council (SPHEC), 03/2008 – 12/2015
- Member, UTHealth CCTS TL1 Training Grant Review Committee, 2006 – Present

Selected Recent Presentations / Panels

- 2021** Discussion Facilitator, **ASPPH Sections Retreat, Student Services Section** – Student Wellness
- 2020** Panelist, **ASPPH Sections Retreat - Town Hall: A Conversation on Key Considerations Involved in Decision-Making for the Fall Semester** Panelists will explore how their institutions are planning for the fall semester, share key considerations and top concerns about the various options, and discuss lessons learned from Spring 2020
- 2019** Panelist & Presenter, **ASPPH Annual Meeting**, Washington, DC – Using Admissions & Workforce Trends to Inform Enrollment Strategies
- Panelist, **ASPPH Sections Retreat-Student Services**, Seattle, WA – Opening Plenary Session: Public Health Admissions: Responding to Changing Trends
- Moderator & Presenter, **ASPPH Sections Retreat-Student Services**, Seattle, WA – Closing Discussion: Student Services 2030

2018 Panelist, **ASPPH Annual Meeting**, Washington, DC – Recruiting & Supporting Students in Dual-Degree Programs

Moderator, **ASPPH Annual Meeting**, Washington, DC – Integrating International Students Into your Academic Community

Panelist, **ASPPH Annual Meeting**, Washington, DC – The Role of Student Services in Making Accommodations for Students in Need

Panel Chair, **ASPPH Section Retreat-Student Services**, Louisville, KY – International Student Support

Panel Chair, **ASPPH Section Retreat-Student Services**, Louisville, KY – Online Student Engagement & Student Support Services

Professional Organizations

Society of Toxicology – full member

American Public Health Association - full member

Teaching

Courses - Selected

PH2175L/GS16063 (UTHealth SPH & GSBS) – Toxicology I: Principles of Toxicology (*Sole Faculty – course offered annually since Fall 1991; Required course for MPH EOHS student*)

PH2177/GS131083 (UTHealth SPH & GSBS)- Toxicology II: Toxic Agents (*Sole Faculty – course offered annually as an elective since Spring 1992*)

PHWM2110L (UTHealth SPH) – Public Health Ecology & the Human Environment (*Course Director/Coordinator/Instructor since 2018 – Online Core course for all MPH students offered in each term Sp/Sum/Fall*).

PHWM2120L (UTHealth SPH) – Human Impact on the Environment: Focus on Climate Change & Health (*Sole Faculty – Online course offered annually as an elective since Summer 2019*)

PH5098 (UTHealth SPH) – The History & Culture of Disease & Healing (*Team taught interdivisional course - One of 4 core faculty who designed and offered the course on ad hoc basis since 2016*)

PH9996 (UTHealth SPH) – MPH Capstone (*Team taught interdivisional capstone offered each semester; Represented Environmental Health from 2014-2017*)

Peer Reviewed Publications

E. Symanski, H.A. Han, L Hopkins, M.A. Smith, S. McCurdy, I. Han, M., M. Jimenez, C. Markham, D. Richner, D. James & J. Flores. Metal Air Pollution Partnership Solutions: Building an academic-government-community-industry- collaboration to improve air quality and health in environmental justice communities in Houston. *Env. Health* 19 (1): 39, 2020. PMID:32248802

E. Yucel, S. DeSantis, M.A. Smith & D.S. Lopez. Association between low-testosterone and kidney stones in US men: The national health and nutrition examination survey 2011-2012. *Prev. Med. Rep.* 10: 248-253.2018 PMCID:PMC5984232.

N.C. Nnoli, S.H. Linder, M. A. Smith, G. L. Gemeinhardt & K. Zhang. 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

Cooper, S.P. McCormick, J.B., Chappell, C.L. Clare, N., Vela, L., Walker, T., Smith, M.A., Heilbrun, L.P., Stark, D.L., Schoenly, 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.

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.

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

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.

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.

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.

Zahm, SH., 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.

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.

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.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, 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.

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.

A. A. Welder, M. A. Smith, K. Ramos & D. Acosta. Cocaine-induced cardiotoxicity in vitro. *Toxicol. In Vitro* 2: 205-213, 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.

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.

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.

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.

M. A. Smith & D. Acosta. Cephaloridine toxicity in primary cultures of rat kidney cortical epithelial cells. *Toxicol. In Vitro.* 1: 23-29, 1987.

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

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.

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.

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.

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.

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. (Member, National Academy of Sciences Committee on Environmental Justice)

Gulf War & Health, Volume 2. Insecticides and Solvents. National Academy Press, 2003. (Member, National Academy of Science Committee on Gulf War & Health)