

CURRICULUM VITAE

William A. Toscano, Jr.

Work Address:

The University of Minnesota
School of Public Health
Division of Environmental Health Sciences
420 Delaware St. SE, Suite 1260 Mayo
Building MMC 807
Minneapolis, MN 55455-0381
Voice: 612-859-2120; Fax: 612-626-0650
E-Mail: tosca001@umn.edu

Home Address:

900 30th Av. S
Minneapolis, MN 55406

Voice: 612-501-1559
E-mail: tosca001@mac.com

EDUCATION:

University of Illinois, Urbana, IL 61801
Indiana University of PA, Indiana, PA 15705
Indiana University of PA, Indiana, PA 15705

Ph.D., Biochemistry, 1978
MS., Analytical Chemistry, 1972
BS., Chemistry, 1968

POST DOCTORAL TRAINING:

University of Washington, Seattle, WA 98195

Senior Fellow, Pharmacology, 8/78 -
7/80

PROFESSIONAL APPOINTMENTS:

DATES

Division Head

Division of Environmental Health Sciences, University
of Minnesota School of Public Health, Minneapolis, MN
55455

2000 - 2014

Co-Director Interdisciplinary Program in Science,
Health and Law

2013 - Present

Visiting Professor, Chiba University, Medical College,
Chiba, Tokyo Japan

Visiting Professor, Tata Institute of Social Sciences,
Health Sciences Division, Mumbai, India

2008 - Present

<p>Head Global Health Programs, School of Public Health, University of Minnesota, Minneapolis, MN 55455</p>	<p>2007 - 2012</p>
<p>Interim Head, Center for Environmental Health Policy University of Minnesota, Minneapolis, MN 55455</p>	<p>2003 - Present</p>
<p>Professor, Division of Environmental Health Sciences, University of Minnesota School of Public Health, Minneapolis, MN 55455</p>	<p>1999 - Present</p>
<p>Professor and Chair, Dept. of Environmental Health Sciences, Tulane University School of Public Health & Tropical Medicine, New Orleans, LA 70112</p>	<p>1993- 1999</p>
<p>Co-director Interdisciplinary Program for Molecular Cell Biology Tulane University. New Orleans, LA 70112</p>	<p>1994 - 1999</p>
<p>Associate Professor of Toxicology, Division of Environmental & Occupational Health, University of Minnesota School of Public Health, Minneapolis, MN 55455</p>	<p>1989 - 1993</p>
<p>Associate Professor of Toxicology, Laboratory of Toxicology, Dept. of Cancer Biology Harvard University School of Public Health, Boston, MA 02115</p>	<p>1986 – 1989</p>
<p>Assistant Professor of Toxicology, Laboratory of Toxicology, Dept. of Physiology Harvard University School of Public Health, Boston, MA 02115</p>	<p>1980 – 1986</p>

HONORS:

- 1977 Gregory Pincus Award, FASEB
- 1978 Sigma Xi
- 1978 - 1980 Individual NRSA, NIH Postdoctoral Fellowship, University of Washington, Seattle
- 1984 Mellon Foundation Faculty Development Award, Harvard University
- 1985 Alumni Ambassador Award, Indiana University of Pennsylvania Indiana, PA
- 1988 Distinguished Alumni Award, Indiana University of Pennsylvania, Indiana, PA
- 1990, 1991, 1992, 1993, 2004 Faculty Excellence Award in Environmental Health, Division of Environmental Health Sciences, School of Public Health, University of Minnesota, Minneapolis, MN
- 1994 Delta Omega, Honorary Public Health Society (President *Eta* Chapter, 1998; President *Pi* Chapter 2003 - present)
- 2005 Shuman Award for Excellence in Teaching, School of Public Health, University of Minnesota
- Association of Schools of Public Health, Academy of Teachers
- 2006 Elected Fellow American Association for the Advancement of Science
- 2008-Present Visiting Faculty, Tata Institute of Social Sciences, School of Health, Mumbai, India
- 2011 Honorary Member Georgian Chemical Society, Republic of Georgia

Honorary Doctoral Degree, (h/c) Geomedi University, Tbilisi
Georgia

2013 Guest Professor, Center for Preventive Medical Science of
Chiba University, Chiba, Japan

SCIENTIFIC SOCIETIES:

2011 Society for Developmental Origins of Adult Disease

2008 Society for Distance Learning

2007 Global Health Council

2006 Biochemical society (Britain)

2004 American Public Health Association

2003 Society for Integrative Biology

2000 Society for Developmental Biology

1998 - 2002 Society for *In Vitro* Biology

1992 Society for Investigative Dermatology

1990 Society of Toxicology

1989 American Association for Research in Cancer

1985 American Society for Cell Biology

1984 American Society for Biochemistry and Molecular Biology

1980 - 1993 Biophysical Society

1979 New York Academy of Sciences

1969 American Society for Microbiology

1969 American Association for the Advancement of Science

1968 American Chemical Society

PROFESSIONAL SERVICE:

National and International Conference Planning and Organization:

2009 Co-Organizer Global Health India Symposium Bangalore India

2006 – 2008 Chair, Environmental and Occupational Health Council, Association of Schools of Public Health

2007 - Present Co-Organizer Environmental Health Grand Rounds, University of Minnesota, Minnesota Department of Health, Regions Hospital

2006 – 2007 Co-Organizer Round Table Global Disparities

2007 Co-Organizer, Global Health Conference, Reykjavik, Iceland

2005 Co-Organizer, “The Built Environment and Human Health”, School of Public Health, University of Minnesota, Maternal & Child Health Program

2005 Co-Organizer, “The Built Environment and Human Health”, School of Public Health, University of Minnesota, Maternal & Child Health Program

2005 Co-Organizer, “Environmental Health Perspectives on Water Quality and Quantity: A Multi-Disciplinary Concern, ASPH Environmental & Occupational Health Meeting, Oklahoma City, OK

2004 Co-organizer, “A Systems Biology Approach to Endocrine Disruption,” American Chemical Society, Philadelphia, PA

- 2004 Co-Organizer, "The Art and Practice of Risk Assessment", ASPH Environmental Health Science Meeting, Minneapolis, MN
- 2004 Co-Organizer: Children's Environmental Health and the Law
- 2003 Co Organizer: Systems Biology in Environmental Health, Minneapolis, MN
- 2003 Co-organizer Environment and Children's Health, ASPH, Environmental Health Science Meeting, Chapel hill, NC
- 2004 Chair, "Taking Charge of Your Career" for 2004 Society of Toxicology Meeting, Baltimore, MD
- 2003 - Present Co-organizer e.hormone international meeting on hormones and the environment, Annual Meeting in New Orleans, LA, Center for Bioenvironmental Research
- 1998 Local Arrangements Committee for American Association for Research in Cancer, New Orleans, 1998
- 1998 Local Arrangement Committee for Society of Toxicology Meeting, New Orleans, LA, 1999

Editorial Assignments:

- 2013 *Associate editor, Frontiers in Public Health*
- 2006 - Present Editor (United States Region) *Environmental Toxicology*
- 2005 – Present Editorial Board, *Journal of Environmental and Technology Law*, University of Minnesota Law School
- 2003- Present Editorial Board, *International Journal of Environmental Research and Public Health* (ISSN 1660-4601)

Analytical Biochemistry
Archives of Biochemistry & Biophysics
Biochemistry and Biophysics Research Communication
Biochimica et Biophysica Acta
Biochemical Pharmacology, Biochemistry
Journal of Biological Chemistry
Cancer Research, Endocrinology
Environmental Health Perspectives
Integrative Biology
Life Sciences
Science
Toxicology and Applied Pharmacology
Toxicological Sciences
Federation of Biological Society Letters (FEBS Lett)
Cancer Letters
Carcinogenesis.

Ad Hoc
 Reviewer for:

Grant Reviews:

- 1980 NIH Cell Physiology Study Section, *Ad Hoc* Member
- 1990 NIH Biological Models & Materials Resources Study Sect
- 1997-1999 Environmental Protection Agency, Peer Review Group
- 1998 – Present Reviewer for ASPH Internship Applications
- 1999 – 2003 American Heart Association Study Section on Cell Transport/ Metabolism/ Immunology/Microbiology
- 1999 - Present Reviewer for Star Grants, USEPA
- 2000 Site Visitor University of New Mexico Department of Pharmacology and Toxicology
- 2001 Environmental Protection Agency, Grant Reviewer Star Program,

Biochemistry and Biophysics

- 2001 – Present Reviewer University of Nebraska Grants Program
- 2005 NIH Radiation Review Study Section
- 2005 NIH Cellular Aspects of Diabetes & Obesity Study Section, *ad hoc*
- 2005 Louisiana Board of Regents EPSCOR Pilot Projects
- 2006-Present ASPH/EPA Fellowship
- 2005 Natural Sciences and Engineering Research Council of Canada (NSERC)
- 2009 NIH Sbac Awards

Scientific Advisory Boards:

- 1997 - Present Board of Scientific Advisors, Environmental Sciences Institute, Jackson State University, Jackson, MS, Head, 2002- present
Chair 2003-present
- 2002- Present Head External Advisory Committee SCORE Grant Program, Jackson State University, Jackson, MS
- 1995 - 1999 National Advisory Board, American Society of Environmental Science
- 1992 Board of Scientific Advisors, Omnipharm, Inc.

Service:

- 1990 - Present Mentor, Amer. Assn. Cancer Research Minority Mentor Program
- 1992 Chair, Platform Session Society of Toxicology Meeting, February, 1992
- 2002- 2005 Member, Placement and Career Development Committee, Society of Toxicology
- 2003 – present Environmental & Occupational Health Council, Association of Schools of

Public Health (ASPH)

2004 -
Present

Minnesota Department of Health, Birth Defects Working Group

2005

Chair-Elect, Environmental & Occupational Health Council, Association of Schools of Public Health (ASPH)

2005

Member, Committee on Systems Thinking, Association of Schools of Public Health

2006 - 2008

Chair, Environmental & Occupational Health Council, Association Schools of Public Health (ASPH)

2006 –
Present

Member, Folic Acid Council, Minnesota Department of Health

2006 –
Present

Member Forensic Laboratory Advisory Board , State of Minnesota Bureau of Criminal Apprehension

PROGRAMS INITIATED OR IMPLEMENTED

University of Minnesota:

2001 – Healthy Lifestyle Program with the National Centers for Disease Control, Republic of Georgia, Tbilisi. The goal of this program was to bring public health training to the Republic of Georgia.

2001 - Started doctoral training program in: Molecular Risk Assessment Graduate -this program that brings together molecular science, toxicology, epidemiology, and exposure assessment; molecular approaches to risk assessment.

2003 - Interdisciplinary Program in Global Health – This is a didactic and research program that focuses on training in global health. The program will be on line in fall, 2004

2003 - Center for Environmental Health and Policy This center is being configured into the environmental systems biology center.

2003 - Midwest Consortium for Hazardous waste workers –Director of the Minnesota program. We are part of a larger network of 14 institutions and community groups in 8 states, funded by the National Institutes of Environmental Health Sciences to enhance worker's abilities to handle hazardous chemicals, We use knowledgeable experts in the field to instruct first responders and those who routinely work with hazardous agents on current best practices for dealing with those substances.

2003 - Minnesota Technical Assistance Program – Funded by the Minnesota Office of Environmental Assistance, The Minnesota Technical Assistance Program helps Minnesota businesses implement industry tailored solutions that maximize resource efficiency, prevent pollution and reduce costs, to improve public health and the environment.

2004 - University of Minnesota, Public Health Genomics Program, Regional program (Minnesota, Wisconsin, North and South Dakota) to develop genomics in the public health workforce. Cross cutting curriculum to train current students (future workforce) in applications of genomics in public health. Certificate and short-courses designed to bring public health genomics to current public health workforce. We are seeking external funding.

2007 – Global Health Practice MPH Program Joint with University of Minnesota and Manipal University (India)

2007 – Public Health Genomics Program

Tulane University:

1994 Initiated 3+ 2+ 2 Program designed to pipeline minority students from Xavier University into the Interdisciplinary Program in Molecular & Cellular Biology; this

program evolved into the Tulane Pipeline Program, which brought 11 new minority students into this program.

1995 Initiated Molecular Toxicology Graduate Program – Interdisciplinary Ph.D. program in molecular toxicology.

1996 Texaco Program in Industrial Hygiene – The goal of this program was to bring minority students from Xavier University into the MSPH Environmental Health Sciences Department, who were funded by Texaco, and provided a summer internship that would evolve into a position with the company after graduation. Texaco supplied funds to support a minority student for a master degree in environmental health, covered cost of tuition, stipend, and books (Funded by the Texaco Foundation).

Global Health Experience

Macedonia and Slovakia

1997 Public Health training in cancer prevention strategies, Skopje Macedonia
1997 Public Health Training in cancer prevention strategies, Bratislava, Slovakia

Taiwan

1997 - 1999 Training program in Environmental Public Health for Taiwan EPA, Taipei, Taiwan

1999 Training Program in Environmental Health Methods, National Taiwan University Taipei,

2010 Training on Environmental Health, Sustainable Public Health and Children's Health (joint with Chiba University) at National Taiwan University, Taipei

Work in the Republic of Georgia

2000 Training in Public Health Surveillance, Tbilisi Georgia National Center for Disease Control

2000-2005 Training in Healthy Lifestyles and disease prevention, Tbilisi Georgia, National Center for Disease Control

Train the Trainer sessions on healthy lifestyles and disease prevention

2005-2009 Research on Hospital Infection Control, Republic of Georgia, National Center for Disease Control, Tbilisi

2010-2011 Public Health Training in Human Health Risk Assessment, Republic of Georgia National Center for Disease Control

2012 Public Health Training on Human Health Effects of Global Warming, National Institute of Hygiene, Tbilisi

Public Health Training on Social Determinants of Disease, NCDC Tbilisi

Public Health Training on Public Health Genomics, Dmanisi Georgia

Started discussions with University of Georgia to promote a joint Public Health Program with University of Minnesota

Iceland

2008 Ran Global Public Health Training Institute (one week course) with University of Iceland, Reykjavik

Japan

2009 - Present Joint MPH training program in Environmental Public Health, University of Chiba, Japan, Guest Professor [Center for Preventive Medical Science of Chiba University, Chiba, Japan \(2013\)](#)

India

2008 – Present Taught Environmental Health and Global health courses to MPH students at the Tata Institute of Social Sciences (TISS), Mumbai

2009 Training on Endocrine disrupting chemicals in the Indian Context, KLE Medical College, School of Public Health, Belguam

2009 Initiated public health research with Sri Devaraj Urs Medical College, Kolar India

2009 Led Global Health Institute training in Global Public Health, St. John's Medical College Bangalore

2010 Public Health Training on developmental consequences of environmental signaling, Sri Devaraj Urs Medical College, Kolar India

2011 – Present Particulate exposure and lung disease in the Kolar Mine Fields study, in collaboration with Sri Devaraj Urs Medical College, Kolar India

2012 - Present Research on Environmental exposures and type 2 diabetes in urban and suburban populations in Coimbatore, Collaboration with PSG Medical College, Coimbatore India

BIBLIOGRAPHY

M. Sc. Thesis: **Transport of [¹⁴C] Octanoate by *Pseudomonas oleovorans***. (1972)
Indiana University of Pennsylvania, Indiana, PA 15705, 44 pp.
Advisor: Dr. R. A. Hartline.

Ph. D. Thesis: **Purification and Properties of Electron Transfer Components from *Pseudomonas aeruginosa***. (1978) University of Illinois, Urbana, IL,
155 pp.
Advisor: Dr. I. C. Gunsalus

PUBLICATIONS

Toscano, W. A., Jr. & Hartline, R. A. [1973] Transport of octanoate by *Pseudomonas oleovorans*. *J. Bacteriol.* 116: 541 - 547.

Dubler, R. A., Toscano, W. A., & Hartline, R. A. [1974] Transport of succinate by *Pseudomonas putida*. *Arch. Biochem. Biophys.* 160: 422 - 429.

Gunsalus, I. C., Hermann, M., Toscano, W. A., Jr., Katz, D., & Garg, G. K. [1975] Plasmids and metabolic diversity. In D. Schlessinger (ed). MICROBIOLOGY-1974, AMER. SOC. MICROBIOL. WASHINGTON, DC, pp. 207-212.

Dwivedi, A., Toscano, W. A., Jr. & DeBrunner, P. G. [1979] Mossbauer spectra of cytochrome _{c₅₅₁}: Heterogeneity related to *g* strain. *Biochim. Biophys. Acta* 576: 502 - 508.

LaPorte, D. C., Toscano, W. A., Jr., & Storm, D. R. [1979] Cross-linking of [¹²⁵I] CDR to the calcium-sensitive phosphodiesterase purified from bovine heart. *Biochemistry* 18: 2820 - 2825.

Toscano, W. A., Jr., Westcott, K. R., LaPorte, D. C., & Storm, D. R. [1979] Evidence for a dissociable protein subunit required for calmodulin stimulation of brain adenylate cyclase. *Proc. Natl. Acad. Sci. USA* 76: 5582 - 5586.

Storm, D. R. & Toscano, W. A., Jr. [1979] Bacitracin. ANTIBIOTICS 5-A, New York, Springer-Verlag, pp. 1- 18.

- Gidwitz, S., Toscano, W. A., Jr., Toscano, D. G., Weber, M., & Storm, D. R. [1980] A comparison between adenylate cyclase solubilized from normal and Rous sarcoma virus transformed chicken embryo fibroblasts. *Biochim. Biophys. Acta* 627: 1 - 16.
- Wagner, G. C., Perez, M., Toscano, W. A. Jr., & Gunsalus, I. C. [1981] Apoprotein formation and heme reconstitution of cytochrome P450_{cam}. *J. Biol. Chem.* 256: 6262 - 6265.
- Toscano, W. A., Jr., & Storm, D. R. [1982] Bacitracin. *Pharmacol. & Therapeut.* 16: 199 - 210.
- Gelb, M. H., Toscano, W. A., Jr. & Sligar, S. G. [1982] Chemical mechanisms of cytochrome P450 oxidation: Spectral and catalytic properties of a manganese substituted protein. *Proc. Natl. Acad. Sci. USA* 79: 5758 - 5762.
- Gelb, M. H., Toscano, W. A., Jr. & Sligar, S. G. [1982] Preparation and properties of manganese substituted cytochrome P450_{cam}. In E. Heitonen (ed), *CYTOCHROME P450: BIOCHEMISTRY, BIOPHYSICS & ENVIRONMENTAL IMPLICATIONS*, Amsterdam: Elsevier, pp. 573-580.
- Hartline, R. A. & Toscano, W. A., Jr. [1982] Fatty acid and electron transport in *Pseudomonas*. In N. Ornston & S. G. Sligar (eds.), *EXPERIENCE IN BIOCHEMICAL PERCEPTION*, New York: Academic Press, pp. 85 - 92.
- Olgiatei, K. L., & Toscano, W. A., Jr. [1983] Kinetics of gossypol inhibition of bovine lactate dehydrogenase- X. *Biochem. Biophys. Res. Communic.* 115: 180 - 185.
- Hudson, L. G., Shaikh, R., Toscano, W. A., Jr. & Greenlee, W. F. [1983] Induction of 7-ethoxycoumarin O-deethylase activity in human epithelial cells by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD): Evidence for TCDD receptor. *Biochem. Biophys. Res. Communic.* 115: 611 - 617.
- Olgiatei, K. L., Toscano, D. G., Atkins, W. M., & Toscano, W. A., Jr. [1984] Gossypol inhibition of adenylate cyclase. *Arch. Biochem. Biophys.* 231: 411 - 415.
- Olgiatei, K. L., Hoffer, A. P. & Toscano, W. A., Jr. [1984] Gossypol modulation of nucleotide metabolizing enzymes in the reproductive tract of male rats. *Biol. Reprod.* 31: 759 - 770.
- Greenlee, W. F., Osborne, R., Hudson, L. G., & Toscano, W. A., Jr. [1984] Studies on the mechanisms of 2,3,7,8- tetrachlorodibenzo-*p*-dioxin (TCDD) to human epidermis. *Banbury Report* 18: 365-372.
- Hudson, L. G., Toscano, W. A., Jr., & Greenlee, W. F. [1985] Regulation of epidermal growth factor binding in a human keratinocyte cell line by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD). *Toxicol. Appl. Pharmacol.* 77: 251 - 259.
- Coyne, M. D., Cornelius, P., Venditti, N., Toscano, D. G., Gross, M. K, & Toscano, W. A., Jr. [1985] Purification and properties of calmodulin from adrenal cortex. *Arch. Biochem. Biophys.* 236: 629 - 637.

- Greenlee, W. F., Osborne, R., Hudson, L. G., & Toscano, W. A., Jr. [1985] Toxicity of chlorinated aromatic compounds in animals and man: *In vitro* approaches to toxic mechanisms and risk assessment. *Env. Health Perspect.* 60: 69 - 76.
- Ryan, J. A. & Toscano, W. A., Jr. [1985] Multiple forms of cyclic nucleotide phosphodiesterases in a murine adrenal cortex cell line (Y1). *Arch. Biochem. Biophys.* 241: 403 - 412.
- Hudson, L. G., Toscano, W. A., Jr. & Greenlee, W. F. [1986] 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD) modulates epidermal growth factor binding to basal cells from a human keratinocyte cell line. *Toxicol. Appl. Pharmacol.* 82: 481 - 492.
- Greenlee, W. F., Osborne, R., Dold, K., Hudson, L. G., Young, M. J., & Toscano, W. A., Jr. [1987] Altered regulation of epidermal cell proliferation and differentiation by 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD). *Rev. Biochem. Toxicol.* 8: 1 - 35.
- Toscano, W. A., Jr. & Storm, D. R. [1987] Bacitracin. *Int. Encyclop. Pharmacol. & Therapeut.* 127: 101 - 113.
- Gross, M. K., Toscano, D. G., & Toscano, W. A., Jr. [1987] Calmodulin-mediated adenylate cyclase from mammalian sperm. *J. Biol. Chem* 262: 8672 - 8676.
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- Wiencke, J. K., Kelsey, K. T., Lamela, R. A., & Toscano, W. A., Jr. [1990] Genetic polymorphisms in carcinogen metabolism predict substrate- induced cytogenetic damage in humans. *Prog. Clin. Biol. Res.* 340B: 137 - 147.
- Wiencke, J. K., Kelsey, K. T., Lamela, R. A., & Toscano, W. A., Jr. [1990] Human glutathione S-transferase deficiency as a marker of susceptibility to epoxide-induced cytogenetic damage. *Cancer Res.* 50: 1585-1590.
- Toscano, W. A., Jr. & Gross, M. K. [1991] Calmodulin regulation of sperm adenylate cyclase. *METH. ENZYMOL.* 195: 91-110.
- Su, L-N, Toscano, W. A., Jr. & Kennedy, A. R. [1991] The role of protein kinase C in radiation induced malignant transformation *in vitro*. *Biochem. Biophys. Res. Communic.* 176: 18 - 24.
- Choi, E. J., Toscano, D. G., Ryan, J. A., Riedel, N., & Toscano, W. A., Jr. [1991] Dioxin induces transforming growth factor- α in human keratinocytes *J. Biol. Chem.* 266: 9591 - 9597.

- Toscano, W. A., Jr. & McNulty, J. [1995] Toxicity and Carcinogenesis. in D. O. Fleming, J. H. Richardson, J. I. Tulis, & D. Vesley, eds. *Laboratory Safety: Principles and Practices*, Washington, DC. Amer. Soc. Microbiology pp. 133-141.
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- Arnold, S. F., Bergeron, J. M., Tran, D. Q., Collins, B. M., Crews, D., Toscano, W. A., Jr., & McLachlan, J. A. [1997] Synergistic Responses of Steroidal Estrogens *in vitro* and *in vivo*. *Biochem. Biophys. Res. Commun.* 235: 336 - 342.
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- Ricci, M. S., Toscano, D. G., & Toscano, W. A., Jr. [1999] ECC-1 Human Endometrial Cells as a Model System to Study Dioxin Disruption of Steroid Hormone Function. *In Vitro Cell. Dev. Biol.* 35: 183 - 189.
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- Coleman, K. P., Toscano, W. A., Jr., Wiese, T. E. [2003] QSAR Models of the *in vitro* Estrogen Activity of Bisphenol A. *Quant. Struct. Activity Relat.* 22: 78 - 87.
- Toscano, W. A., Jr., Toscano, D. G., Toscano, J. S., Gross, M. K. [2003], Molecular Modeling of Manganese Regulation of Calmodulin-dependent Adenylyl Cyclase from Mammalian Sperm. *Biochem. Biophys. Res. Commun.* 312: 91 - 96
- Toscano, W., Hovey, C. Hulne, J. Strum, J. Thompson, E. [2004] Children Living in a Perilous Environment. *Healthy Generations* 4: 6 - 7.

- Toscano, W. A., Oehlke, K, [2005] Systems Biology: New Approaches to Old Environmental Health Problems. *Int. J. Environ. Res. Public Health* 2: 4 - 9.
- Lee, D.K. H., Lee, I. K., Song K., Steffes, M., Baker, B., Toscano, W. A., and Jacobs, D. A. Jr [2006] Strong Dose-Response Relation between Serum Concentrations of Persistent Organic Pollutants and Diabetes: Results from the National Health and Examination Survey 1999-2002 *Diabetes Care* 29: 1638 – 1644.
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- Kandlikar, M., Ramachandran, G., Maynard, A. D., Murdock, B. and Toscano, W. A. [2007] Health risk assessment for nanoparticles: A case for using expert judgment *J. Nanoparticle Res.* 9: 137-156.
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- Toscano, W. A., Lee, P., and Oehlke, K. P. (2008) The Role of Environmental Health Research in Understanding Chronic Conditions. *Minnesota Medicine* 21: 28 – 29.
- Toscano, W. A., Oehlke, K. P., and Kafoury, R. M. (2010) An Environmental Systems Biology Approach to the Study of Asthma, in Pawnkar, R., Holgate, S., and Rosenwasser, L. J. eds. *Allergy Frontiers: Future Perspectives*, 6: 239-252 Springer.
- Toscano W. A., Jr and Oehlke, K. L. P. (2011) Nutrigenomics: A New Frontier in Environmental Health Sciences. In: Nriagu J. O. (ed.) *Encyclopedia of Environmental Health*, 4: 202–205, Burlington: Elsevier
- Tchounwou, P. B., and Toscano, W. A., (2011) “Environmental Epidemiology and Human Health – Biomarkers of Disease and Genetic Susceptibility” *Encyclopedia of Environmental Health*, 4: 357-366, Burlington: Elsevier
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- Toscano, W. A., Jr., and Coleman, K. P. (2012) Esters of Carbonic and Orthocarbonic Acid, Organic Phosphorous, Monocarboxylic Halogenated Acids, Haloalcohols, and Organic Silicon. in *Patty's Toxicology*, Sixth Edition. Vol 4, E. Bingham and B. Cohrssen (Eds). John Wiley & Sons, Inc., NY, NY, pp 353-424.

EPA Peer Reviewed Reports:

Euling, S. Y., Sonawane, B. R., McLachlan, J.A., Meffert, D. J., Preimesberger, A. and Toscano, W. Sonawane,: A Cross-Species Mode of Action Information Assessment: A Case Study of Bisphenol A. National Center for Environmental Assessment, Washington, DC; EPA/600/R-50/044F. Available from: National Technical Information Service, Springfield, VA, April 2005

McLachlan, JA; Meffert, D, Preimesberger, A, Toscano, W.: An Integrated Human Health and Ecological Species Assessment: A Case Study of Bisphenol A. Washington, DC, U.S. Environmental Protection Agency, National Center for Environmental Assessment; contract number RFQ-DC-00-00232, 2001

INVITED LECTURES AND SEMINARS

DATE	TITLE AND LOCATION
1981	Calmodulin Regulation of Adenylate Cyclase from Bovine Brain, Cell and Developmental Biology, Harvard Medical School, Boston, MA
1983	Gossypol Inhibition of Adenylate Cyclase, Cardiology Department, Brigham and Women's Hospital Harvard Medical School, Boston, MA
1984	Gossypol Inhibition of Nucleotide Metabolizing Enzymes in the Male Reproductive Tract, Chemical Industry Institute of Toxicology, Research Triangle Park, NC
1984	Gossypol Inhibition of Nucleotide Metabolizing Enzymes in the Male Reproductive Tract, Laboratory of Human Reproduction & Reproductive Biology, Harvard Medical School, Boston, MA
1985	Dioxin Modulation of Epidermal Growth Factor Binding in Human Keratinocytes, NIEHS Center Director Meeting, Oregon State University, Corvallis, OR

- 1985 Dioxin Modulation of Adenylate Cyclase in Human Keratinocytes,
Chemical Industry Institute of Toxicology, Research Triangle Park, NC
- 1985 Mechanism of Action of Gossypol, Plenary Lecture Symposium on Biotechnology
54th Annual Meeting of Biological Chemists of India, Patnagar, India
- 1985 Panel-Discussion Leader of Agro-Pollution and Pesticides,
54th Annual Meeting of Biological Chemists of India, Patnagar, India
- 1985 Dioxin Modulation of Regulated Epidermal Cell Proliferation,
Chemistry Dept., Indiana University of Pennsylvania, Indiana, PA
- 1986 Dioxin Modulation of Regulated Epidermal Cell Proliferation.
Department of Pharmacology, Harvard Medical School, Boston, MA
- 1987 Dioxin Alters Epidermal Cell Proliferation.
Department of Biochemistry & Molecular Biology, Harvard University, Cambridge, MA
- 1987 Dioxin Modulation of Regulated Epidermal Cell Proliferation,
Department of Biochemistry, University of Illinois, Urbana, IL
- 1988 Dioxin Modulation of Epidermal Cell Proliferation,
Department of Pharmacology, Wayne State University Medical School, Detroit, MI
- 1988 Dioxin Modulation of Epidermal Cell Proliferation,
Dept. of Pharmacology, SUNY, Buffalo, NY
- 1989 Modulation of Human Epidermal Cell Proliferation,
Department of Pharmacology, St. John's University, Jamaica, NY
- 1989 Modulation of Human Epidermal Cell Proliferation,
Department of Pharmacology, University of South Carolina, Columbia, SC
- 1989 Modulation of Human Epidermal Cell Proliferation,
Department of Pharmacology, University of South Florida, Tampa, FL

- 1989 Modulation of Human Epidermal Cell Proliferation,
School of Public Health, University of Minnesota, Minneapolis, MN
- 1989 Modulation of Human Epidermal Cell Proliferation,
Department of Pharmacology, Northeastern University, Boston, MA
- 1990 Action of Tumor Promoters on Adenylate Cyclase,
NERO Symposium, Dept. Lab Medicine, University of Minnesota, Minneapolis, MN
- 1990 Modulation of Growth Factors in Human Skin Cells,
Gray Freshwater Biological Institute, Navarre, MN
- 1991 The Most Stupid Idea I Ever Had,
NERO Symposium, Dept. of Lab Medicine, University of Minnesota, Minneapolis, MN
- 1991 Keratinocytes as a Model System for Toxicity Testing,
Procter & Gamble Co. Research Laboratory, Cincinnati, OH
- 1992 Dioxin Modulated Epithelial Cell Proliferation,
Department of Pharmacology, University of Washington Medical School, Seattle, WA
- 1992 Dioxin Modulated Epithelial Cell Proliferation,
Department of Pharmacology, Cornell University, Ithaca, NY
- 1992 Dioxin Modulated Epithelial Cell Proliferation,
Department of Biochemistry Meharry Medical School, Nashville, TN
- 1992 A Mechanism for Dioxin-Modulated Tumor Promotion,
Department of Environmental Health, Colorado State University, Fort Collins, CO
- 1992 Dioxin: The Compound You Love to Hate - From Lawsuits to Cytokines,
Department of Pathology, Albany Medical College, Albany, NY
- 1992 A Mechanism for Dioxin-Modulated Tumor Promotion,
Department of Environmental Health Sciences, Tulane University, New Orleans, LA

- 1992 Dioxin Modulation of Epithelial Cell Regulation - From Cytochromes to Cytokines, Department of Biochemistry, University of Illinois, Urbana, IL
- 1992 A Mechanism for Dioxin-Modulated Tumor Promotion, MD-Ph.D. Program, University of Minnesota, Minneapolis, MN
- 1994 Dioxin: The Compound You Love to Hate - From Lawsuits to Cytokines Endocrine Grand Rounds, Dept. Physiology, Tulane University, New Orleans, LA
- 1994 Modulation of Cytokines by Organo-Chlorine Compounds, Department of Pathology, Tulane University, New Orleans, LA
- 1995 Mechanisms of Dioxin Action: Retinoic Acid Receptor-Ah Receptor Interactions, Department of Pharmacology, Tulane University, New Orleans, LA
- 1996 Mechanisms of Dioxin Action: Receptor *Repartie*, Laboratory of Radiobiology, Harvard School of Public Health, Boston, MA
- 1997 Molecular Approaches to Risk Assessment, Environmental Protection Administration, Republic of China, Taiwan.
- 1997 Retinoic Acid-Dioxin Interactions in Human Keratinocytes, School of Public Health, National Taiwan University, Republic of China, Taiwan.
- 1997 Chemical-Induced Carcinogenesis, Albert Sweitzer Foundation, SOROS, Skopje, Macedonia
- 1997 Molecular Approaches to Risk Assessment, Albert Sweitzer Foundation, SOROS, Skopje, Macedonia
- 1997 Chemical-Induced Carcinogenesis, Albert Sweitzer Foundation, SOROS, Bratislava, Slovakia
- 1997 Molecular Approaches to Risk Assessment, Albert Sweitzer Foundation, SOROS, Bratislava, Slovakia

- 1997 Dioxin-Estrogen Interactions: A Case of Receptor *Repartie?*
Department of Pharmacology, University of Washington Medical School, Seattle, WA
- 1998 Estrogen-Dioxin Interactions in Human Endometrial Cells, A Case of Receptor *Repartie?*, Division of Environmental and Occupational Health, University of Minnesota, Minneapolis, MN
- 1998 Molecular Approaches to Risk Assessment
Louisiana Environmental Health Association, Annual Meeting, New Orleans, LA
- 1998 Transgenic Biosensors of Chemicals in the Environment
Taiwan Chemical Society – Taipei, Republic of China
- 1999 Dioxin Modulation of Zebrafish Development – Sleeping with the Zebrafish
Division of Environmental and Occupational Health, University of Minnesota, Minneapolis, MN
- 1999 Sleeping with the Zebrafish: With Apologies to Luca Brazzi
Harvard School of Public Health, Boston, MA
- 1999 Receptor-Receptor Interactions in Human Endometrial Cells
Dept. of Pharmacology St. Louis University, St. Louis, MO
- 1999 Estrogen vs Dioxin: The World's Strongest Compound vs The World's Most Toxic Compound e.hormone 1999, New Orleans, LA
- 2000 Zebrafish as a Model to Study Dioxin Toxicity,
Harvard School of Public Health, Boston, MA
- 2001 Sleeping with the Zebrafish (*Danio rario*): Apologies to Luca Brazzi
University of Minnesota Cancer Center, Minneapolis, MN
- 2002 Reductionist Approach to Studying Endocrine Disruptors,
Johns Hopkins Center for Alternative to Animals Meeting, Fairfax Virginia
- 2002 Teaching Environmental Health Then (1950s) vs. Now (2002),

University of Pittsburgh, PA.

- 2003 Health Effects of Dioxin and PCBs on Developing Fetus, In Harms Way: The Environment and Children's Health, Minneapolis, MN
- 2004 Women Living in a Perilous Environment: Environmental Disruption of Hormone Action in Women, Women's Environmental Action
- 2004 Children Living in a Perilous Environment, Minnesota Department of Health, St. Paul, MN
- 2004 Dioxins and Relatives: The Family we Love to Hate: Hennepin County Health Department, School Nurses, Hopkins, MN
- 2004 Equal Hazards, Unequal Risks: Eliminating Health Disparities: Communities Moving From Statistics to Solutions. Minneapolis, MN
- 2004 Round Table group facilitator and resource person: Children's Environmental Health, UMN, Maternal Children's Health Summer Institute, St. Paul
- 2004 Systems Biology: New Approaches to solving old problems, Plenary Lecture, Biochemistry Society (India) – November Pantnagar, India
- 2005 Genomics and Environmental Health, First Conferences on Public Health Genomics, St. Paul, MN
- 2005 Systems Biology New Approaches to Old Environmental Health Problems, Minnesota Department of Health, Environmental Health Section, St. Paul, MN
- 2005 Endocrine Disruptors and Human Health: What's Known?, What's Not? – Tulane University Law School: Environment 2005: Law Science and Public Interest, New Orleans, LA
- 2005 Genomics and Environmental Health,, Genomics and Public Health: A Practical Approach, St. Joseph, MN
- 2005 Persistent Bioaccumulative Toxicants and the Health of Your Community, Duluth, MN

- 2005 Panel Moderator, Emerging Environmental Health Issues, Minnesota Environmental Health Association – Minnesota Public Health Association Joint Meeting
- 2006 Persistent Bioaccumulative Toxicants and the Health of Your Community – Cass Lake American Indian College, Cass Lake Minnesota
- 2006 Persistent Bioaccumulative Toxicants and the Health of Your Community - Superior Wisconsin Health Department
- 2006 Persistent Bioaccumulative Toxicants and the Health of Your Community - Northeast Minneapolis Community Center (Series of 6 presentations to the community)
- 2006 Persistent Bioaccumulative Toxicants and the Health of Your Community - Seward Community Center, Minneapolis (Series of 6 presentations to the community)
- 2006 Is it in Your Genes? Risk From the Womb to the Tomb, Plenary Lecture, Third Honorary Biomedical Sciences and Health Information Lecture Series, Third International Conference on Recent Advances in Environmental Health Research, Jackson, MS
- 2006 Effective Chronic Disease Prevention: Successful US Models, AIHA-WHO Conference on Global Approaches to Chronic Disease, Tbilisi, Republic of Georgia
- 2006 Translational Environmental Health Research – From Bench to Community, 10th International RCMI Symposium on Health Disparities, San Juan, Puerto Rico
- 2006 Nutrigenomics: A New Frontier in Environmental Health Research, International
- 2007 Congress of Environmental Health
- 2007 Role of Environment in Human Health, ICMR India
- 2008 Systems Biology: A New Approach to Old Problems, ICMR New Delhi, India
- 2009 Globalization and Health, San Diego Branch UMN Alumni Association Annual Meeting
- 2009 Environmental Clairvoyance: Predicting Health Outcomes from In utero Environmental Exposures, Department of Health, St. Paul, MN
- 2009 Future of Public Health in the United States, Tokyo
- 2009 Building the Public Health Workforce, Mumbai, India
- 2010 Environmental Consequences of Environmental Signaling, Sri Devaraj Urs College, Kolar India

2012 Developmental Origins of Disease, SDU University, College of Medicine, Kolar India
Developmental Origins of Disease DoHaD, Minnesota Environmental Health
Association, plenary lecture
Careers in Environmental Public Health, University of Wisconsin, Eau Claire

2013 Public Health Needs in India, PSG Medical College, Coimbatore
Environmental Signaling and Health, National Institute of Occupational Health,
Ahmedabad, Gujarat

The Role of Environment in the Development of Diabetes in Children, PSG Medical
College, Coimbatore, India

The New Public Health, Transdisciplinary and Systems Approaches to Wicked
Problems, Tata Institute of Social Sciences, Mumbai, India

UNIVERSITY COMMITTEE AND SERVICE WORK

DATES	COMMITTEE OR SERVICE
1981-1989	Safety Officer Department of Cellular & Molecular Toxicology, Harvard School of Public Health, Boston, MA
1982 - 1989	Grant Reviewer, <i>Ad Hoc</i> Member Veterans Administration
1982-1984	Committee on Admissions & Degrees Division of Medical Sciences, Graduate School of Arts & Sciences, Harvard University
1984 - present	Grant Reviewer, <i>Ad Hoc</i> Member National Science Foundation
1984-1985 1988-1989	Search Committee Dept. of Nutrition, Harvard School of Public Health, Boston, MA
1985-1988	Standing Committee on Animals for the Harvard Medical Area Harvard Medical School
1986-1989	Board of Scientific Directors American Council on Science & Health, New York,

NY

- 1988-1990 Ryan Foundation Fellowship Committee Harvard University, Boston, MA
- 1989-1993 Educational Policy Committee School of Public Health, University of Minnesota, Minneapolis, MN
- 1989-1993 Admissions Committee Div. Environmental & Occupational Health, University of Minnesota, Minneapolis, MN
- 1990-1993 Air Toxics Subcommittee Minnesota Pollution Control Agency, St. Paul, MN
- 1990 Biological Models & Materials Resources Study Section National Institutes of Health, (NIH) Bethesda, MD
- 1990 -1993 Educational Policy Committee, School of Public Health, University of Minnesota, Minneapolis, MN
- 1990-1993 Faculty Consultative Committee School of Public Health, University of Minnesota, Minneapolis, MN
- 1990-1993 Committee on Appointments Promotion and Tenure School of Public Health, University of Minnesota, Minneapolis, MN
- 1992 Biological Models & Materials Resources Study Section National Institutes of Health, (NIH) Bethesda, MD
- 1992 Chair, Polycyclic Aromatic Hydrocarbons: Metabolism and Biological Effects Society of Toxicology 31st Annual Meeting, Seattle, WA
- 1993-1999 Space Committee, Tulane University Medical Center
- 1993-1999 Basic Sciences Chairs Committee, Tulane University Medical Center
- 1993-1999 Computer Committee, Tulane University School of Public Health & Tropical

Medicine

- 1993-1999 P-20 Steering Committee for NIEHS Center, Tulane-Xavier Center for Bioenvironmental Research
- 1994-1999 Steering Committee, Molecular Cell Biology Program, Tulane University
- 1995-Present Center for Bioenvironmental Research Advisory Committee, Tulane University, New Orleans, LA
- 1993-1999 Tulane Representative to DOE-EM Review Committee
- 1994-1999 Tulane Down-town representative to DoD Grant Review, Tulane University; Chair of Review Board, 1996
- 1995- 1998 Tulane Medical Area Representative to Louisiana EPSCOR Board, Baton Rouge
- 2000 - 2001 University of Minnesota Commission on the Environment
- 2000-Present Executive Committee, University of Minnesota School of Public Health
- 2002 Website Committee, University of Minnesota School of Public Health
- 2002 – present Diversity Committee, University of Minnesota School of Public Health
- 2003 - Present University of Minnesota Consortium on Health, Environment and Law Executive Committee
- 2004 - Present Minnesota Department of Health, Birth Defects Working Group
- 2003 - Present University of Minnesota Consortium on Health, Environment and Law
- 2003 -

Present	University of Minnesota Consortium on Health, Environment and Law
2006 – Present	University of Minnesota-ICMR India Research Committee
2007 - Present	University of Minnesota Committee on International Programs
2009 – Present	University of Minnesota Master of Development Practice Steering Committee
2011 – Present	Steering Committee U-More Park Community Development

TEACHING

A. GRADUATE SCHOOL APPOINTMENTS:

Member of The Graduate School Faculty, University of Minnesota, 1999 - present
Member of Graduate School Faculty, Tulane University, 1996 – 1999
Co-Director Molecular & Cellular Biology Program, Tulane University, 1994 - 1999
Member Molecular & Cell Biology Program, Tulane University, 1993-1999
Member Molecular & Cell Biology Program Steering Committee, Tulane University, 1994-1999
Full Member Environmental Health Graduate Faculty, University of Minnesota, 1989-present
Full Member Biomedical Sciences Graduate Faculty, University of Minnesota, 1989-1993
Preceptor Combined MD/Ph.D. Program, University of Minnesota, 1990-1993
Co-Director of Joint Environmental Health-Pharmacology Toxicology Training Program, 1989-1993

B. COURSES TAUGHT:

YEARS	COURSE
1981-1985	Course Director for Toxicology 205, <i>Principles of Toxicology</i> , Harvard School of Public Health, Boston, MA
1981-1989	Lectured on Xenobiotic Metabolism, Bioremediation, Analytical Methods in Toxicology in Tox 205, <i>Principles of Toxicology</i> , Harvard School of Public Health, Boston, MA
1982-1988	Lectured on Calmodulin Regulation of Enzymes in Bchem & Mol.Pharm. 205 <i>Endocrinology</i> , Harvard Medical School, Boston, MA
1982-1990	Lectured on Principles of Toxicology in Environmental Health Science, <i>Environmental Health</i> , Harvard School of Public Health, Boston, MA
1983	Taught Toxicol. 209, <i>Advanced Toxicology</i> . Lectured on Mechanism of Action of Toxic Chemicals on enzyme regulation for 5 wks., students presented papers for second half of the course. Harvard School of Public Health, Boston, MA
1983-1987	Toxicol 300. <i>Tutorial</i> . Tutored students, primarily physicians on biochemical toxicology. Subjects covered: xenobiotic metabolism, enzyme regulation, bioenergetics, receptor- mediated toxicity. Harvard School of Public Health, Boston, MA

- 1986-1988 Lectured on Separation methods and Radioimmunoassay in ID 209, *Methods in Cell Biology*.
Harvard School of Public Health, Boston, MA
- 1989 Co-Director Occupational Toxicology, a short course for practitioners of occupational medicine and toxicology, sponsored by the University of Massachusetts Medical School, Division of Occupational Medicine, Worcester, MA
- 1990, 1991 PubH 5262, *Metabolism and Distribution of Xenobiotics*,
School of Public Health, University of Minnesota, Minneapolis, MN
- 1990-1993 PubH 5261, *General Environmental Toxicology*, School of Public Health,
University of Minnesota, Minneapolis, MN
- 1990-1993 PubH 8262, *Molecular Toxicology* School of Public Health, University of
Minnesota, Minneapolis, MN
- 1990-1993 PubH 8269, *Seminars in Toxicology*. School of Public Health, University of
Minnesota, Minneapolis, MN
- 1990-1993 PubH 5267, *Industrial & Occupational Toxicology*,
Mid-West Center on Occupational Health & Safety.
School of Public Health, University of Minnesota, Minneapolis, MN
- 1993-1998 ENHS 660 *Principles of Toxicology*
Tulane University School of Public Health & Tropical Medicine
- 1994 ENHS 661 *Advanced Environmental Toxicology*
Tulane University School of Public Health & Tropical Medicine
- 1994-1998 ENHS 601 *Issues in Environmental Health*
Tulane University School of Public Health & Tropical Medicine
- 1994-1996 ENHS 784 *Molecular Toxicology*
Tulane University School of Public Health & Tropical Medicine

- 1994-1999 ENHS 785 *Methods of Research in Toxicology*
Tulane University School of Public Health & Tropical Medicine
- 1994-1995 ENHS 629 *Environmental Microbiology*
Tulane University School of Public Health & Tropical Medicine
- 1996 -
1999 MCB 710, 711 *Workshop*
Tulane University Graduate School,
Interdisciplinary Program in Molecular and Cellular Biology
- 2000 -
Present PubH 8160 Advanced Toxicology
Division of Environmental Health, Science
School of Public Health, University of Minnesota, Minneapolis, MN
- 2001 -
Present PubH 6104 Effect of the Environment on Health
Division of Environmental Health, Science
School of Public Health, University of Minnesota, Minneapolis, MN
- 2003 -
Present PubH 6101 Survey of Environmental Health
Division of Environmental Health, Science
School of Public Health, University of Minnesota, Minneapolis, MN
- 2004 –
2005 PubH 5100-1 Children’s Environmental Health
Division of Environmental Health, Sciences
School of Public Health, University of Minnesota, Minneapolis, MN
- 2005 -
Present PubH 7200 – 3, Public Health Genomics
Division of Environmental Health, Sciences
School of Public Health, University of Minnesota, Minneapolis, MN
- 2006 PubH 6112, Environmental Health Risk Assessment, School of Public
Health, University of Minnesota
- 2006-
Present PubH 6101: Introduction to Environmental Health; Fall and Spring
Semesters
- 2006 PubH 6131 Environmental Metabolomics, School of Public Health,
University of Minnesota
- 2006 – PubH 7262 Globalization and Health, School of Public Health, University of

Present	Minnesota
2008	PubH 3104/6104 Introduction to Toxicology, School of Public Health, University of Minnesota
2009	PubH 7200 Environmental Justice, School of Public Health, University of Minnesota
2009 - Present	PH 09 Environmental Health, Tata Institute of Social Sciences, Mumbai India
2009 - Present	PH 12 International Health, Tata Institute of Social Sciences, Mumbai India
2011- Present	PubH 6134, Global Health for Sustainable Development

TRAINEES (ALPHABETICAL ORDER)			
NAME	DATES	DEGREE	Present Position
Atkins, William	1982 - 1983	MA (Harvard)	Associate Professor Dept. Medicinal Chem. University of Washington Seattle, WA 98195
Burkhardt, Tim	1991 - 1993	MPH (Minnesota)	Risk Assessor Portland, OR
Choi, Eui-Ju	1986 - 1990	Ph.D. (Harvard)	Professor Grad. Schl. Biotech Korea University Seoul, ROK
Cornelius, Peter	1982	Undergrad (Skidmore) Ph.D. East Carolina Univ.	Scientist Pfizer Stamford, CT
Driscoll, David	988 - 1990	ALM (Harvard)	Physician Chicago, IL
Fehring, Kristen	1990 - 1992	M. Sc. (Minnesota)	Risk Assessor, Denver, CO
Gross, Mary K.	1983-1988	Ph.D. (Harvard)	Senior Scientist MDS Pharma Services. Seattle, Washington
Gray, David	1989-1993	Ph.D. (Minnesota)	Sciences Intl., Inc. King Street Station 1800 Diagonal Road, Suite 500 Alexandria, VA 22314
Heidman, Denise	1989 - 1992	MPH (Minnesota)	Safety officer (Iowa)
Hudson, Laurie,	1981 - 1985	Ph.D. (Harvard)	Professor Dept. of Pharmacology Univ. New Mexico Albuquerque, NM

Lorick, Kevin L.	1993 - 1998	Ph.D. (Tulane, Molecular Cellular Biology)	Scientist, Food and Drug Adm. Bethesda, MD
Mattingly, Carolyn J.	1995 -1999	Ph.D. (Tulane, Molecular-Cellular Toxicology)	Assoc. Prof, Toxicology North Carolina State Raleigh, NC
McGraw, Tim	1989 - 1992	M. Sc. (Minnesota)	Safety Officer Northwest Airlines, Minneapolis, MN.
McNulty, Susan	1990 -1995	Ph.D. (Minnesota)	Assistant Professor, University of California at Irvine CA, Cancer Center
Nelson, Heather	1992-1993	MPH (Minnesota)	Associate Professor Epidemiology University of Minnesota
Northrop, Daniel	1990 - 1993	M. Sc. (Minnesota)	Industrial Hygienist, Milwaukee, WI
Olgiati, Katherine	1981 - 1985	Ph.D. (Harvard)	Professor Emeritus Dept. of Chemistry St. Michael's College Winooski, VT 05404
Phillips, Eric	1990 -1991	M. Sc. (Minnesota)	Research Scientist Raleigh, NC
Ricci, M. Stacey	1994 - 1998	Sc.D. (Tulane)	Toxicologist, FDA Bethesda, MD
Ross, Beth Ann	1989 -1992	MPH (Minnesota) DVM (Minnesota)	Veterinarian, Pad and Paw Menamania, WI
Ryan, Judith A.	1982 - 1984	Post Doctoral (Harvard)	Sr. Scientist Diacrin, Inc. Charleston, MA (Retired)
			President Argon, Inc.

Stuart, William	1989 -1990	MPH (Minnesota)	St. Paul, MN
Vaughan, James	1989 - 1992	MPH (Minnesota)	Town Forester St. Louis Park, MN.
Young, Mary Jo	1983 - 1985	A. M. (Harvard) MD (U. Colorado)	Physician Denver, CO
White, Angele	1993 - 1995	MSPH (Tulane)	Director for Environmental Issues, District of Columbia Washington, DC
Students, University of Minnesota, 2000 - present			
Stewart, Jeremy	2000	MPH (Ph.D, Harvard University)	Scientist, Novartis Co., Cambridge, MA 02115
Preimsburger, Angie	2000 – 2001	M. Sc.	Scientist, Minnesota Pollution Control Agency, St. Paul, MN
Hansen, Emily	2000-2003	MPH	CDC Fellow, Centers for Disease Control & Prevention, Atlanta, GA
Kim, Heyono	2000 - 2002	M. Sc.	Current Ph.D. Student, U. of Minnesota
Wutz, Angela L.	2000-	MPH	Current Student
Hulne, Jody	2000-	M. Sc.	Dropped out
Coleman, Kelly P.	2001-2005	Ph.D.	Chief Toxicologist, Medtronic, Minneapolis, MN
Thomas, Shalene	2003 – 2005	Ph.D.	Dropped out

Lieshman, Eric	2004 – 2005	MPH	Risk Assessor 3-M St. Paul, MN
Stroebel, Gretchen	2003 -2005	MPH	Nurse Practitioner Abbott-Northwestern Hospital, Minneapolis, MN
Allensworth, Carol	2003 – 2005	MPH	Public Health Specialist Department of Health Omaha, NB
Langholtz, Ann	2003 – 2006t	Ph.D.	Head Risk Assessment, 3-M Company, St. Paul
Besser, John	2004 – 2007	Ph.D.	Microbiologist CDC Atlanta Georgia
Watkins, Sabre	2004 – Present	MPH	Dropped out
Schulte, Ben	2005 – 2007	MPH	Ph. D. Student Tulane School of Public Health
Ortiz, Yvonne	2006 –2009	MPH	Deceased
Daniel Dodor	2006 – 2008	MPH	Risk Assessor, Pittsburgh
Oehlke, Kristin	2007 – Present	Ph.D.	Current Student
Lee, Petrona	2007 – 2011	Ph.D.	Post Doctoral University of Minnesota
Martin, Rebecca	2008 – Present	MPH	Dropped out
Somermeyer, Tessa	2008 – 2011	MPH	Physician Assistant
Gomez, Maria	2009 – 2012	MS Biology	Physician Assistant
Hitakshi Sehgal	2011 -	Ph.D.	Current Student

Current and Pending Funding

Active

7038/U45 ES006184-20 (Rice) 08/17/2010 - 07/31/2015

.60 calendar months

Univ of Cincinnati/NIEHS

\$142,000/ year

Hazardous Materials Worker Health and Safety Training Cooperative Agreement

The major goal of this project is to train workers in nine Midwest states to recognize and avoid or control risks of exposure to hazardous materials.

Role: Co-Investigator

B43976 (Toscano)

07/01/2010 - 06/30/2014

0.12 calendar months

Minnesota Pollution Control Agency

\$920,000

Minnesota Technical Assistance Program

The goal of this project is to assist Minnesota Businesses with pollution prevention and waste management information, facilitate implementation of improved practices through on-site assistance, provide referral for compliance with environmental regulations and minimize transfer of pollutants from one environment to another.

Role: Principal Investigator

X9-00E95201-0 (Toscano)

10/01/2009 – 06/30/2011

0.12

calendar months

EPA

\$25,603

Pollution Prevention and Energy Efficiency for Minnesota's Lodging Industry

This project is to identify and implement source reduction and energy efficiency opportunities that will reduce wastewater loading, solid waste, water use, and energy use.

Role: Principal Investigator

n/a (Toscano)

05/01/2010 – 12/31/2011

0.12 calendar months

Lean Manufacturing and Energy Project

\$36,016

This project will deliver industrial energy efficiency resources to assist Minnesota business and industry to implement energy efficient technologies and practices in order to realize energy savings. MnTAP's role in this project will be to work in partnership with Enterprise Minnesota to conduct preliminary energy efficiency opportunity assessments with three industrial facilities to provide assistance with energy efficiency technology and best practice implementation.

Role: Principal Investigator

n/a (Toscano)

10/01/2010 – 10/31/2012

0.12 calendar months

Enterprise Minnesota, Inc.

\$30,000

Green Manufacturing for Sustainability

The goal of the project is to provide assessments, technical evaluation and reporting, and energy and environment technical expertise and consulting to support the development

and deployment of a green manufacturing for sustainability program serving five partners from the metal casting industry.

Role: Principal Investigator

MOPH/973/QCBS (Riley)

04/20/2010 – 04/19/2012

0.12 calendar months

Ministry of Public Health -Afghanistan

\$810,617

Identification, development and delivery of comprehensive skills upgrade and educational training plan for professional and technical staff of the Main Blood Bank and associated Branches of the Ministry of Public Health, Afghanistan.

Role: Consultant

Funding History (1981 – 2012):

- 04/01/81 - 3/31/84 Mechanism of Calcium Stimulation of Adenylate Cyclase, NIH GM-28897 \$244,000 Total Direct Cost. *Principal Investigator*
- 0 9/15/82- 12/31/96 (3 competitive renewals) Toxicity of Dioxins to Human Keratinocytes, NIH ES-02866, ~ \$150,000/ per year Total Direct Cost. *Principal Investigator*.
- 01/01/85-7/31/87 Action of 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD) on Keratinocytes, American Cancer Society, BC-493, \$125,000 total direct cost. *Principal Investigator*
- 08/01/97 - 07/31/99 Molecular Biosensors of Aromatic Xenobiotics; \$185,000 Direct Costs (*Principal Investigator*)
- 07/95-06/99 Louisiana Education Quality Enhancement Fund; \$68,000 total direct cost; (*Principal Investigator*) This grant was for support of doctoral students; First ever awarded at the School of Public Health and Tropical Medicine.
- 02/94 – 02/99 Toxicology Seminar Program, Shell Oil Company Foundation; \$50,000 total direct cost (*Principal Investigator*).
- 07/96 – 06/99 Graduate Student Support, Texas Oil Company (Texaco), \$150,000 total direct costs (*Principal Investigator*). This is a program that I started to fund a minority student for a master degree in environmental health, covers cost of tuition, stipend, and books.
- 08/31/98 – 08/31/99 Department of Defense, Defense Special Weapons Agency, \$271,000 Total Cost of our project (*Principal investigator*); J. A. McLachlan Program Project Director \$3,600,000 total Direct Cost.)

Funded

NIEHS, ARCH Program, Xavier-Tulane University \$5,000,000, total direct costs (*Tulane Principal Investigator*) Arnold Brody took over as PI

ES-10956 (PI: Toscano, W.) 07/01/01 – 06/30/07

National Institute of Environmental Health Sciences

“Training Grant in Environmental and Occupational Health”

This grant provides stipend, tuition and travel funds for three Ph.D. students in the Division of Environmental and Occupational Health, University of Minnesota.

Role: PI

(PI: Toscano, W.) 01/01/03 – 05/31/05

McKnight Foundation

“Industrial Wastewater Discharges in the upper Mississippi River Basin”

Major goal of this project is to minimize phosphate discharge by local industries into the Mississippi River Basin.

Role: PI

(PI: Toscano, W.) 07/01/01 – 06/30/06

Department of Defense (DOD)

“Pollution Prevention Assistance for the Minnesota Department of Military Affairs”

The goal of this project is to assist the Department of Military Affairs develop strategies to reduce hazardous waste.

Role: PI

(PI: Toscano, W.) 04/01/02 – 03/31/05

USEPA

“Demonstrating P2 at Healthcare Facilities using H2E Products”

The goal of the project is to provide assistance to healthcare providers to reduce pollution by hazardous material.

Role: PI

(PI: Toscano, W.) 04/01/02 – 03/31/04

NIEHS

Worker Health and Safety Training Cooperative Agreement

The goal of this project is to provide best practice training to workers dealing with hazardous materials.

Role: PI

(PI: Toscano, W.) 04/01/02 – 03/31/04

State of Minnesota

“Minnesota Technical Assistance Program – Operating Grant”

The purpose of this project is to provide operating funds for the

Minnesota Technical Assistance Program (MnTaP)

Role: PI

(PI: Jonathan Kahn)

07/01/03 – 06/30/06

NIH

“Colliding Categories: Haplotypes, Race, and Ethnicity”

The focus of the proposal is on the interaction between biological categories emerging from the effort to create a haplotype map of the human genome and preexisting categories specifying race and ethnicity embodied in the U.S. Office of Management and Budget's Directive 15, which governs collection of data by all federal agencies and in federally funded research.

Role: co-investigator.

NSF

(PI: McLachlan, J. A.)

07/01/03 –

06/30/08

“Environmental Signaling Network”

The purpose of this project is to create and implement a multi-University center group of scientists who study environmental signaling, create a curriculum of study for environmental signaling and sensing.

Role: Co investigator.

NIEHS

(PI: Toscano, W. A.)

07/01/04 – 06/30/05

“Systems Biology Approaches to Endocrine Disruption”

This project funds a symposium at the Fall American Chemical Society Meeting, Philadelphia, PA.

Role: PI

DOE

(PI: Toscano, W. A.)

07/01/04 –

06/30/05

“Systems biology approaches to human and wildlife health”

This project is a subcontract to put together an electronic monograph of the state-of-the-art applications of systems biology and genomics in the study of health. Coordinate web development of resources to apply to systems biology.

(PI: , John Besser, Minnesota Department of Health)

04/01/05 – 03/31/08

DHHS Biotechnology Engagement Program (BTEP)

“Improvement of Hospital Infection Control Practice in Georgia through Fundamental Change in the Medical Role and Economic Structure of Microbiology”

We are proposing a technology demonstration project whose goal is to break this economic/cultural cycle through an integrated approach, simultaneously addressing barriers at the patient care level, infection control level, and laboratory support level.

Role: Co-investigator

Pending:

Open Society Institute

“Muskie Fellowship Program”

The major goals of this project are to provide training to foreign nationals from the Republic of Georgia

Role: PI

(PI: , Toscano, W)

04/01/05 – 03/31/10