

Curriculum Vitae

William H. Farland, Ph.D., ATS
Vice President for Research
Professor, Environmental and Radiological Health Sciences
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Major Field of Interest

Development of National and International Approaches to the Research, Testing and Assessment of the Fate and Effects of Environmental Agents

Education

- 1970** **B.S. in Biology, Loyola University**
Los Angeles, California
- 1972** **M.A. in Zoology, University of California**
Los Angeles, California
- 1976** **Ph. D. in Cell Biology/Biochemistry, University of California**
Los Angeles, California
- 1976-78** **Post Doctoral Research Fellowship- University of California, Irvine and**
Brookhaven National Laboratory

Awards and Honors

- 1970-1972** **California State Fellowship**

1972-1975 **NIH Predoctoral Trainee, Department of Biology
University of California, Los Angeles, California**

1976 **A.M. Schectman Award in Recognition of “outstanding merit in
instruction and other service to his students and to the Department,”
Department of Biology, University of California, Los Angeles,
California**

1976-1978 **Individual National Research Service Award for Postdoctoral
Research from the National Cancer Institute**

1981 **U.S. Environmental Protection Agency Bronze Medal for
“outstanding contribution to the development of the first
comprehensive Extramural Program for the Office of Toxic
Substances”**

1985 **U.S. Environmental Protection Agency Bronze Medal for
“outstanding efforts in the development of criteria for identifying
acutely hazardous chemicals, the list of acutely hazardous chemicals,
and associated guidance and support documents”**

1990 **Recommended for Presidential Rank Award-Meritorious Executive**

1992 **U.S. Environmental Protection Agency Silver Medal for “outstanding
contributions to EPA’s Cultural Diversity initiative.”**

1992 **Recommended for Presidential Rank Award-Meritorious Executive**

1993 **Recommended for Presidential Rank Award-Meritorious Executive**

1997 **Jerry F. Stara Memorial Lecture Award (10th Annual)**

1997 **Elected Valedictorian - Federal Executive Institute - Leadership for a
Democratic Society**

2000 **National Center for Environmental Assessment Peer Award -
International Environmental Protection**

2001 **Society for Risk Analysis - Candidate for President-Elect**

2002 **Society for Risk Analysis - “Outstanding Risk Practitioner Award”**

- 2002** Citation from the Johns Hopkins University Risk Sciences and Public Policy Institute “In appreciation for ongoing contribution and commitment...since 1997.”
- 2005** Named “Fellow” of the Society for Risk Analysis
- 2006** Presidential Rank Award-Meritorious Executive
- 2006** U.S. Environmental Protection Agency Distinguished Career Award
- 2007** Named “Fellow” of the Academy of Toxicological Sciences
- 2011** Distinguished Service Award – Office of International Programs, Colorado State University, “In recognition of outstanding contributions to the Internationalization of Colorado State University”
- 1982-Present** Numerous Merit Pay, Special Act Awards and Senior Executive Service Bonuses

Professional Experience

- 1978-1979** Staff Biochemist
Department of Biology, Brookhaven National Laboratory
Upton, New York
- 1979-1980** Environmental Health Scientist (GS-12/13)
Toxic Effects Branch, Health and Environmental Review Division,
Office of Toxic Substances
U.S. Environmental Protection Agency, Washington, D.C.
- 1980-1982** Extramural Program Coordinator (GS-13)
Health and Environmental Review Division, Office of
U.S. Environmental Protection Agency, Washington, D.C.
- 1982-1983** Extramural Program Manager (GS-14)
Health and Environmental Review Division, Office of
U.S. Environmental Protection Agency, Washington, D.C.
- 1983-1986** Deputy Director (GM-15)
Health and Environmental Review Division, Office of
U.S. Environmental Protection Agency, Washington, D.C.

1986-1988 **Director (SES ES-01/03)**
Carcinogen Assessment Group (CAG), and
Acting Director
Reproductive Effects Assessment Group (REAG)
Office of Health and Environmental Assessment,
Office of Research and Development
U.S. Environmental Protection Agency, Washington, D.C.

1988-1996 **Director (SES ES-04)**
Office of Health and Environmental Assessment,
Office of Research and Development
U.S. Environmental Protection Agency, Washington, D.C.

1996-2003 **Director (SES ES-05)**
National Center for Environmental Assessment
Office of Research and Development
U.S. Environmental Protection Agency, Washington, D.C.

2003-2006 **Chief Scientist to the Science Advisor (SES ES-05)**
Office of the Science Advisor
U.S. Environmental Protection Agency, Washington, D.C.

2001-2006 **Acting Deputy Assistant Administrator for Science (SES ES-05)**
Office of Research and Development
U.S. Environmental Protection Agency, Washington, D.C.

2005 **Acting Science Advisor**
Office of the Science Advisor
U.S. Environmental Protection Agency, Washington, D.C.

2006 **Deputy Assistant Administrator for Science (SES ES-05)**
Office of Research and Development
U.S. Environmental Protection Agency, Washington, D.C.

2006-Present **Vice President for Research, and Professor, Environmental and**
Radiological Health Sciences, Colorado State University, Fort Collins,
Colorado

Committees, Boards, Professional Societies and Consulting (Past and Present)

Councilor and Fellow (Elected), Society for Risk Analysis

Candidate for President (2001), Society for Risk Analysis

Treasurer and Board Member, American Occupational Therapy Foundation

Member of the Scientific Advisory Council of the Risk Sciences and Public Policy Institute, Johns Hopkins University School of Hygiene and Public Health

Public Member of the Strategic Science Team, Long Range Research Initiative, American Chemistry Council

**Member of the Programme Advisory Committee, International Programme on Chemical Safety, World Health Organization.
Member, Advisory Board for the Aspen Cancer Conference**

Member, National Organizing Committee, Dioxin2000.

Member of the Science Advisory Panel on EMF Research at the Electric Power Research Institute (EPRI).

Editorial Board, Risk Analysis

Editorial Board, Environmental Health Perspectives

Editorial Board, Chemosphere

Co-chair of Federal Liaison Group (FLG) to the National Academy of Sciences Committee on Risk Assessment Methods (CRAM)

Chair (elected) and Member of the National Toxicology Program's (NTP) Executive Committee

Co-chair of the Research and Data Needs Subcommittee of the President's Task Force on Children's Environmental Health and Safety Risks.

Co-Chair of the Office of Science and Technology's Committee on Environment and Natural Resources' (CENR) Toxics and Risk Subcommittee

EPA Liaison to the Public Health Service Environmental Health

Policy Committee (EHPC)

Co-chair of the ORD Secretarial Career Board

Chairman, Survey Work Group of the EPA's Cultural Diversity initiative

Delegate to the U.S.-India Bilateral Program in Environmental Health

American Association for the Advancement of Science

Society for Risk Analysis

Society of Toxicology

Member, Advisory Committee, Aspen Cancer Conference

Member, Executive Board, Colorado Renewable Energy Collaboratory

Board Member and Vice-Chair, Colorado Higher Education Competitive Research Authority (CHECRA)

Member, Board of Directors, Alliance for Sustainable Energy, LLC (M&O Contractor for National Renewable Energy Laboratory)

Member, Subcommittee on Distinguishing Adverse from Adaptive, Non-functional and Pharmacologic Changes on Tox Studies, Int'l Life Sciences Institute (ILSI), Health and Environmental Sciences Institute

Member, Executive Committee, Colorado Cleantech Industry Association

Member, Board of Directors, Rocky Mountain Innovation Initiative (RMI²)

Chair, External Advisory Group for the Superfund Basic Research Program (Report presented to NIEHS, Sept. 2009)

Chair, National Research Council (NAS), Standing Committee on Emerging Science for Environmental Health Decisions

Member, National Research Council (NAS) Committee to Develop a

Research Strategy for Environmental, Health, and Safety Aspects of Engineered Nanomaterials (First Report Released Jan., 2012)

Advisor for Advanced Microlabs, a Fort Collins, CO based company developing advanced chemical monitoring devices.

Scientific Peer Reviewer for “Safer Consumer Product Alternative Regulations,” Department of Toxic Substances Control, State of California (2010)

Consultant, Medical Devices Advisory Committee, Panel on Dental Products (2010)

Member, Scientific Advisory Committee, University of North Carolina Suoperfund Research Program (2010-present)

Consultant, Flint Hills Resources, (Environmental Contamination at North Pole Alaska Refinery) (2012)

Chair, Board of Directors, CO-Labs (Support and Advocacy organization for 24 Federal Labs located in Colorado) (2012)

Invited speaker at multiple conferences, workshops and symposia

Teaching Experience

- 1970** **Laboratory Teaching Assistant**
Comparative Anatomy and Physiology
Marymount College, Palos Verdes, California
- 1972-1975** **Teaching Assistant**
Introductory Biology, Cell Biology, Genetics, Parasitology
Department of Biology, University of California
Los Angeles, California
- 1975-1976** **Teaching Fellow**
Lecturer in Introductory (Cell and Molecular) Biology
Department of Biology, University of California
Los Angeles, California
- 1979-1983** **Adjunct Assistant Professor**
George Washington University School of Medicine and Health
Sciences, Washington, D.C.
- 1986-Present** **Invited Lecturer (Environmental Toxicology/Risk Assessment) at**
various institutions including Harvard School of Public Health, Yale,
Johns Hopkins University, Cornell University, George Washington
University, NIH Graduate School, University of Delaware, University
of Pennsylvania, University of Massachusetts, Amherst
- 2006- Present** **Professor, Environmental and Radiological Health Sciences, College**
of Veterinary Medicine and Biological Sciences, Colorado State
University, Fort Collins, Colorado

Research Experience

- 1971** **Laboratory Assistant**
Department of Pathology, School of Medicine
University of California, Los Angeles, California
- 1971**
(Summer) **Visiting Researcher**
Oregon Institute of Marine Biology
Coos Bay, Oregon

- 1972-1976** **Thesis Research**
Department of Biology
University of California, Los Angeles, California
Advisor: A.J. MacInnis
- 1976-1978** **Postdoctoral Research Fellow**
Department of Molecular Biology and Biochemistry
University of California, Irvine, California, and
Biology Department
Brookhaven National Laboratory, Upton, New York
Advisor: B.M. Sutherland
- 1978-1979** **Staff Biochemist**
Biology Department
Brookhaven National Laboratory, Upton, New York
- 1979-1982** **Adjunct Assistant Professor**
Department of Radiology
The George Washington University School of Medicine and Health
Sciences, Washington, D.C.

Research Related Activities (Colorado State University – 2006 to present)

- Institutional Official, Human Subjects Research**
- Institutional Official, Animal Care and Use**
- Principal Investigator, Regional Biocontainment Laboratory Construction Grant, NIAID, \$20,955,545 direct costs**

Invited Presentations (Colorado State University – 2006 to present)

- National Research Council Committee on Improving Risk Analysis Approaches used by EPA; Presentation Title: Improving Risk Analysis: Issues for Consideration. November, 2006.**
- American Bar Association, Section on Environment, Energy and Resources, Keystone conference Session entitled “What Your Clients Will Be Talking About: New Developments in Solid and Hazardous Waste Law; Presentation title: Science and Science Policy Trends Affecting Key Contaminants. March, 2007.**
- NAS Workshop on the Implications of Receptor-Mediated Events on Dose-Response; Presentation on the role of Academic institutions in**

public and private data development, May, 2007.

-Institute of Medicine (NAS) Workshop on Health Effects of the Gulf Oil Spill, June, 2010.

-Member of Delegation, Kissinger Institute on China and the U.S., Workshop on Risks to Development. November, 2011.

Publications (Abstracts, Journal Articles, Book Chapters and Books Edited)

Farland, W.H. and A.J. MacInnis (1972) Extraction and Characterization of DNA from Dicyemid Mesozoa. 47th Annual meeting of the American Society of Parasitologists, no.13 (Abstract).

Farland, W.H. and A.J. MacInnis (1974) DNA Synthetic Activities in Cleavage Stages of Ascaris Eggs. 3rd International Congress of Parasitology (Abstract).

Farland, W.H. (1976) Nucleotide and Nucleic Acid Metabolism in Developing Eggs of Ascaris lumbricoides. Ph.D. Thesis, University of California, Los Angeles.

Farland, W.H. and A.J. MacInnis (1978) In Vitro Thymidine Kinase Activity: Present in Hymenolepis diminuta (Cestoda) and Moniliformis dubius (Acanthocephala) but apparently lacking in Ascaris lumbricoides (Nematoda). Journal of Parasitology 64 (3), 564-565.

Farland, W.H. and A.J. MacInnis (1978) Purine Nucleotide Content of Developing Ascaris Eggs. International Journal for Parasitology 8, 177-186.

Sutherland, J.C., J.F. Duval and W.H. Farland (1978) Netropsin: Interaction with Ultraviolet Irradiated DNA. Photochemistry and Photobiology 29, 943-949.

Farland, W.H. and B.M. Sutherland (1979) A Rapid DEAE Disc Assay for Photoreactivation of Pyrimidine Dimers in [³H]-DNA. Analytical Biochemistry 97, 376-381.

Farland, W.H. and B.M. Sutherland (1979) Photoreactivation of Pyrimidine Dimers In Vitro by Extracts of Human Placenta. 7th Annual Meeting, American Society for Photobiology, Asilomar, CA, p. 131 (Abstract).

Farland, W.H. and B.M. Sutherland (1981) Analysis of Pyrimidine Dimer Content of Isolated DNA by Nuclease Digestion in Techniques in DNA Repair - A Handbook

- (E.C. Friedberg and P.C. Hanawalt, Eds.) Dekker, New York, p. 45-56.
- Kram, D., G.D. Bynum, R. Dean, E.L. Schneider, W.H. Farland, and J.R. Williams (1981) Effects of Acute and Chronic Administration of Mitomycin C on the Induction of Sister Chromatid Exchanges In Vivo. Environmental Mutagenesis 3, 489-495.**
- Kram, D., E.K. Shubber, K.L. Dearfield, R.G. Dean, G.D. Bynum, W.H. Farland and J.R. Williams (1981) Detection of Carcinogens requiring Metabolic Activation by the Induction of Sister Chromatid Exchanges (SCE) in a Human Hepatoma Cell Line. 12th Annual Meeting, Environmental Mutagen Society, San Diego, CA, p. 63 (Abstract).**
- Shubber, E.K., D. Kram, W.H. Farland and J.R. Williams (1981) Interaction between Hycanthone, Ultraviolet Light and X-Rays. 12th Annual Meeting, Environmental Mutagen Society, San Diego, CA, p. 70 (Abstract).**
- Rushbrook, C.J., T.A. Jorgenson, W.F. Blazak, M. Krishna, D.C.L. Jones, K.S. Lavappa, and W.H. Farland (1983) Accuracy of a Conventional Breeding Procedure in Identifying TEM-Induced Heritable Translocations. 14th Annual Meeting, Environmental Mutagen Society, San Antonio, TX (Abstract).**
- Blazak, W., C.J. Rushbrook, L. Dial, M. Lemmon, T.A. Jorgenson, K.S. Lavappa, and W.H. Farland (1984) Investigation of the Background Frequency of Reciprocal Translocations in Male ICR Mice. 15th Annual Meeting, Environmental Mutagen Society. Montreal, Quebec, Canada, p. 87 (Abstract).**
- Rushbrook, C.J., L.T. Luhos, T.A. Jorgenson, A. Auletta, and W.H. Farland (1984) Dominant Lethal Study of Chloromethane in Rats. American College Of Toxicology. (Abstract).**
- Farland, W.H. (1985) International Aspects of Testing for Carcinogenicity and Regulation: A Selected Bibliography in Handbook for Carcinogenicity Testing (H.A. Milman and E.K. Weisburger, Eds.) Noyes Publications, New Jersey, pp. 603-605.**
- Rushbrook, C.J., T.A. Jorgenson, and W.H. Farland (1985) Dominant Lethal Study of Nitrobenzene in Rats. Society of Toxicology (Abstract).**
- Farland, W.H., C.A. Tyson and D.S. Sawhney (1985) Rationale and Use of Function Tests in Toxicity Testing: A Review in Organ Function Tests in Toxicity Evaluation (C.A. Tyson and D.S. Sawhney, Eds.) Noyes Publication, N.J., pp. 1-19.**
- Sawhney, D.S., C.A Tyson, and W.H. Farland (1985) Summary Recommendations and Research Needs in Organ Function Tests in Toxicity Evaluation (C.A. Tyson and**

D.S. Sawhney, Eds.) Noyes Publication, N.J., pp. 206-212.

Francis EZ; Farland WH (1987) Application of the Preliminary Developmental Toxicity Screen for Chemical Hazard Identification under the Toxic Substances Control Act. Teratog Carcinog Mutagen; 7 (1) 107-118.

Farland, W.H. (1988) Use of SAR in Assessing New Chemicals: Commentary in Banbury Report 31: Carcinogen Risk Assessment: New Directions in the Qualitative and Quantitative Aspects, Cold Spring Harbor Laboratory, New York, pp. 43-46.

Kimmel, C.A., D.G. Wellington, W.H. Farland, P. Ross, J.M. Manson, N. Chernoff, J.F. Young, S.G. Selevan, N. Kaplan, C. Chen, L.D. Chitlik, C.L. Siegel-Scott, G. Valaoras and S. Wells (1989) Overview of a Workshop on Quantitative Models for Developmental Toxicity Risk Assessment. Environmental Health Perspectives 79, 209-215.

Jarabek, A.M., and W.H. Farland (1990) The U.S. Environmental Protection Agency's Risk Assessment Guidelines. Toxicology and Industrial Health 6(5), 199-216.

Farland, W.H. (1990) Research Opportunities and Reducing Uncertainty in Mouse Liver Carcinogenesis: Mechanisms and Species Comparisons (D.E. Stevenson, R.M. McClain, J.A. Popp, T.J. Slaga, J.M. Ward, and H.C. Pitot, Eds.) Wiley-Liss, Inc, New York, pp. 409-414.

Rhomberg, L., V.L. Dellarco, W.H. Farland, R.S. Cortesi (1990) The Significance of DNA Damage and Repair Mechanisms in Health Risk Assessment in Brookhaven Symposia in Biology: DNA Damage and Repair in Human Tissues, Upton, New York.

Farland, W.H. (1990) Carcinogen Risk Assessment- Evaluation of the Process. 29th Annual Meeting, Society of Toxicology, no. 59 (Symposium Abstract).

Farland WH (1991) Future Directions and Research Notes Workshop on the Methodology for Assessing Health Risks from Complex Mixtures in Indoor Air, Arlington, Virginia, USA, April 17-19, 1990. Environ Health Perspect; 95:131-133.

Farland WH (1991) The US Environmental Protection Agency's Risk Assessment Guidelines Current Status and Future Directions. IXth UOEH (University of Occupational and Environmental Health) International Symposium and the First Pan Pacific Cooperative Symposium on Industrialization and Emerging Environmental Health Issues: Risk Assessment and Risk Management. Toxicol Ind Health; 7 (5-6) 313-318.

Farland WH; Dourson M (1991) Non-cancer Health Endpoints Approaches to Quantitative

Risk Assessment Fourth Chemical Congress of North America, New York, New York, USA, August 25-30, 1991. Abstr Pap Am Chem Soc; 202 (1-2) Envr 68.

Jarabek AM; Farland WH (1991) The USA Environmental Protection Agency's Risk Assessment Guidelines. Mehlman, M. A. (Ed.). Advances in Modern Environmental Toxicology, Vol. XIX. Health Hazards and Risks from Exposure to Complex Mixtures and Air Toxic Chemicals. IV+241p. Princeton Scientific Publishing Co., Inc.: Princeton, New Jersey, USA. Illus. ISBN 0-911131-24-8.; 51-66.

Chen, C., and W.H. Farland (1991) Incorporating Cell Proliferation in Quantitative Cancer Risk Assessment: Approaches, Issues, Uncertainties in Chemically Induced Cell Proliferation: Implications for Risk Assessment (B.E. Butterworth, T.J. Slaga, W.H. Farland and M. McClain, Eds.) Wiley-Liss, Inc., New York, pp. 481-499.

Cogliano, V.J., W.H. Farland, et al. (1991) Carcinogens and Human Health: Part 3 (Letter to the Editor) Science, 251, 606-607.

Oge, M.T., and W.H. Farland (1991) Radon Risk in the Home (Letter to the Editor) Science, 255, 1194.

Farland, W.H. (1992) The U.S. Environmental Protection Agency's Risk Assessment Guidelines: Current Status and Future Directions. Toxicology and Industrial Health 8(3), 205-212.

Gibb, H.J. and W.H. Farland (1992) Differences in Animal and Human Responses to Carcinogenic Metals in Relevance of Animal Studies to the Evaluation of Human Cancer Risk (R. D'Amato, T.J. Slaga, W.H. Farland, and C.J. Henry, Eds.) Wiley-Liss, Inc., New York, pp. 367-380.

Farland, W.H. (1992) Similarities and Differences Between Adults and Children: Future Directions and Research Needs in Similarities and Differences Between Adults and Children: Implications for Risk Assessment (P.S. Guzelian, C.J. Henry, and S.S. Olin, Eds.) ILSI Press, Washington, D.C., pp. 273-278.

Farland, W.H. and M. Dourson (1993) Noncancer Health Endpoints: Approaches to Quantitative Risk Assessment in Comparative Environmental Risk Assessment (C. R. Cothorn, Ed.) Lewis Publishers, Boca Raton, Fl, pp. 87-106.

Farland, W.H., S. Bayard, and J. Jinot (1994) Environmental Tobacco Smoke: A Public Health Conspiracy? A Dissenting View. J. Clin. Epidemiol. 47(4), 335-337.

Farland, W.H., J. Schaum, L. Birnbaum, et al. (1994) Status of dioxin-related activities at the United States Environmental Protection Agency (U.S. EPA). Organohalogen Cpd. 20:559-562

DeVito, MJ; Birnbaum, LS; Farland, WH; et al. (1995) Comparisons of estimated human-body burdens of dioxinlike chemicals and TCDD body burdens in experimentally exposed animals. Environ Health Perspect 103:820-831.

Olin S; Farland W; Park C; Rhomberg L; Scheuplein R; Starr T; Wilson J; Eds (1995) Low-Dose Extrapolation of Cancer Risks: Issues and Perspectives. International Life Sciences Institute, 1126 Sixteenth Street, N.W., Washington, D.C. 20036-4804, USA, XIV, 355p.

Farland, W.H., L. Birnbaum and M. DeVito (1995) The United States Environmental Protection Agency (U.S. EPA) approach to evaluating dioxin health risks: Critical issues. Organohalogen Cpd. 26:475-478.

Farland, W.H (1996) Cancer Risk Assessment: Evolution of the Process. Preventative Medicine 25:24-25.

Birnbaum, L.S. and W.H. Farland (1996) Health risk assessment for dioxin and related chemicals: The U.S. EPA approach. Organohalogen Cpd. 30:279-281.

Page, N.P., D.V. Singh, W.H. Farland et al (1997) Implementation of EPA's Revised Cancer Risk Assessment Guidelines: Incorporation of Mechanistic and Pharmacokinetic Data. Fundamental and Applied Toxicology 37: 16-36.

Farland WH; Tuxen LC (1997) New Directions in Cancer Risk Assessment: Accuracy, Precision, Credibility, and Uncertainty Hum Ecol Risk Assessment, 3: (5) 667-671 Nov 1997

Roberts RA; Purchase I; Green T; Parry J; Swenberg J; Evans J; Cox B; Ashby J; Kimber I; Farland B (1998) Zeneca Central Toxicology Laboratory (CTL) Seminar, Alderley Park, Cheshire, UK, 26-27 January 1998: the Scientific and Practical Basis for Thresholds in Biology, Human and Experimental Toxicology, Volume 17, Issue 5, Pages 278-282

Davis JM; Farland WH (1998) Biological Effects of Low-level Exposures: A Perspective from U.S. EPA Scientists. Environmental Health Perspectives, Volume 106, Issue Suppl.1, Pages 379-381

Goldman LR; Farland WH (1998) Methylmercury Risks. Science, 279: (5351) 640-641 Jan 30 1998

Dumanoski D; Farland WH; Krimsky S (1999) Science in the Public Arena: A Panel Discussion. Lea Commun Ser, 167-175.

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- Van Leeuwen F X; Feeley M; Schrenk D; Larsen JC; Farland WH; Younes M. (2000) Dioxins: WHO's Tolerable Daily Intake (TDI) Revisited. Chemosphere, Volume 40, Issues 9-11, May-June 2000, Pages 1095-1101**
- Van Den Berg M; Van Birgelen A; Birnbaum L; Farland W; et al. (2000) Consultation on Assessment of the Health Risk of Dioxins; Re-evaluation of the Tolerable Daily Intake (TDI): Executive Summary. Food Additives and Contam, 17: (4) 223-240 Apr 2000**
- Devito, M., W. Farland and L. Birnbaum (2000) Margin of exposure estimates for TCDD for cancer and non-cancer effects in laboratory animals. Organohalogen cpds. 48:292-295.**
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- Larsen JC; Farland W; Winters D (2000) Current Risk Assessment Approaches in Different Countries. Food Additives Contam, 17: (4) 359-369 Apr 2000**
- Hooper, K., D. Hayward, M. Chu, M. Anderson, W. Farland et al. (2000) Caluxtm results correlate with GC/MS/MS data from Kazakhstan breast milk samples. Organohalogen Cpd. 45: 236-239.**
- Garrahan, KG; Farland, WH (2000) The Role of Risk Assessment in Addressing Hazardous Waste Issues. Environmental Epidemiology and Toxicology Volume 2, 188-193.**
- Dellarco VI; Farland WH; Wiltse JA (2001) Health Risk Assessment of Environmental Agents: Incorporation of Emerging Scientific Information. Toxicology Testing Handbook, 389-413**
- Davis JM; Farland WH (2001) The Paradoxes of MTBE. Toxicological Sciences, Volume 61, 211-217**
- Rodericks, JV; Collins, JJ; Farland, WH; Tollerud, DJ (2001) Contrasting roles of Epidemiology in Dioxin-related Policy: Lessons Learned. Am J Epidemiol Volume 154 (12), S43-S49.**
- Birnbaum, LS; Farland, WH (2003) Health Risk Characterization of Dioxins and Related**

Compounds in Dioxins and Health, Second Edition, Edited by Arnold Schecter and Thomas A. Gasiewicz, John Wiley and Sons, Inc.

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Haws, L., Harris, M., Su, S., Walker, N., Birnbaum, L., DeVito, M., Farland, W., Connor, K., Santamaria, A., and Finley, B. (2004) A Preliminary Approach to Characterizing Variability and Uncertainty in the Mammalian PCDD/F and PCB TEFs. *Organohalogen Compounds*, Vol. 66:3439-3445.

Farland, W (2005) Sound Science is a Sound Concept in Environmental Forum: What is Sound Science? Environmental Forum. January/February.

Farland, W (2005) Opportunities, Challenges for EPA in Environmental Forum: No Small Task: Regulating Nanotechnology to Ensure Safety, Maximize Benefits. Environmental Forum, July/August, Page 44.

Farland, W., Rodan, B., and Preuss, P. (2005) Cancer Bioassays: Informing public health decisions on environmental risk in For and Against. *British Medical Journal USA*, Volume 5:478-479.

Henderson, R.F., Stewart, J., Daston, G.P., Duke, C.S., and Farland, W. (2005) Conference Report: EPA Risk Assessment Principles and Practices; BOSC (Board Of Scientific Counselors) Workshop, February 2-3, 2005, Washington, DC. *Environ Sci & Pollut Res*:12 (6) 388-390.

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Haws, L., Su, S., Harris, M., DeVito, M., Walker, N., Farland, W., Finley, B. and Birnbaum, L., (2006) Development of a refined database of mammalian relative potency estimates for dioxin-like compounds. *Toxicological Sciences*, Volume 89 (1):4-30.

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Farland, William H., William P. Wood, and Kerry L. Dearfield (2006) Cancer Risk Assessment of Environmental Agents: Approaches to the Incorporation and Analysis of New Scientific Information in Toxicological Testing Handbook: Principles, Applications and data interpretation. David Jacobson-Kram and Kit A. Keller, Eds.; Informa Healthcare, pubs.

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Dix, D.J., Gallagher, K., Benson, W.H., et al. (2006) A framework for the use of genomics data at the EPA. Nature Biotechnology 24, 1108 – 1111.

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