

HARRY A. MILMAN, Ph.D.

Expert in Toxicology, Carcinogenesis, Pharmacology, and Pharmacy Standard of Care

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RESUME

EXPERIENCE

1998-present

ToxNetwork.com

Rockville, MD

President

Consultant and Expert Witness (Defense and Plaintiff) in Toxicology, Carcinogenesis, Pharmacology, Pharmacy Standard of Care, and Science Communication to prestigious law firms, chemical companies, trade associations, public relations agencies, national and international organizations, and print and electronic media.

- Some examples of projects include:
 - **Toxicology and Carcinogenicity of Chemicals** including, but not limited to:
 - Benzene
 - Bisphenol A
 - Chlorinated solvents
 - 1,2-Dichloroethane
 - Formaldehyde
 - Lead
 - Metals
 - Methylene Chloride
 - Trichloroethylene (TCE) and Tetrachloroethylene (PERC)
 - Terephthalic Acid
 - Lead
 - Xylene
 - **Pharmacology and Toxicology of Drugs** including, but not limited to:
 - Alcohol
 - Cocaine
 - Demerol
 - Cephalosporin
 - Keflex
 - Librium
 - Lithium
 - Mellaril

- Methadone
- Mineral Oil
- Morphine
- Penicillin
- Prilosec
- Progesterone
- Prozac (fluoxetine)
- Soma
- Viagra
- Xanax (alprazolam)
- Zyprexa (olanzapine)
- Cancer and/or Toxicology from chemical exposure in the workplace
- Exposure to sewer gas
- Product Liability
- Wrongful Death
- Medical Malpractice
- Pharmacy Standard of Care
- Morphine Intoxication
- Alcohol Intoxication
- DUI and DWI
- Food Poisoning
- Endocrine disruption
- Children's health
- "On Air" television and radio interviews (*i.e.*, Washington DC's WUSA-TV Channel 9 and WJLA-TV Channel 7; New York's WABC-TV Channel 7; Canadian Broadcasting Corp.)
- Pre-clinical toxicology
- Regulatory Affairs – EPA, FDA
- Assistance with Toxic Substances Control Act issues and regulatory strategy
- Writing reports and responses to regulatory inquiries
- Monitor scientific presentations at national and international conferences
- Assist public relations agencies with science issues
- Assist print and electronic media
- Edit newsletters
- Science writing for lay-, semi-technical and technical audience

1990-1998

US Environmental Protection Agency

Washington, DC

Senior Science Advisor and Senior Toxicologist

Risk Assessment Division

Office of Pollution Prevention and Toxics

- Conducted numerous health evaluations and risk assessments on important environmental chemicals (*i.e.*, formaldehyde, phthalates, chlorinated solvents) under Sections 4, 5 and 6 of the Toxic Substances Control Act;
- Managed the preparation of preliminary guidelines for "Risk-Risk Tradeoff".
- Managed extramural contracts totaling hundreds of thousands of dollars;

- Advised the Director of the Health and Environmental Review Division of the Office of Toxic Substances on science issues in cancer, toxicology, chemical testing, and risk assessment;
- Coordinated scientific activities between the Office of Pesticides and Toxic Substances of EPA, the National Toxicology Program of NIH, various other governmental agencies, and national and international health organizations and laboratories.

1989-1990 **US Environmental Protection Agency** **Washington, DC**
Manager

Analysis and Support Division, Office of Radiation Programs

- Managed, provided guidance to and coordinated activities with staff from the Agency for Toxic Substances and Disease Registry related to the evaluation of the toxicology of radioactive substances.

1988-1989 **US Environmental Protection Agency** **Washington, DC**
Senior Scientist

Office of International Activities

- Coordinated Agency participation in the Organization for Economic Cooperation and Development, the World Health Organization, the WHO-led United Nations International Program on Chemical Safety, and other United Nations specialized agencies;
- Represented the Agency in dealing with the regulated community to ensure that it complied with US regulations concerning international shipments of hazardous wastes;
- Provided guidance to industry on its involvement with all international hazardous waste issues.

1980-1988 **US Environmental Protection Agency** **Washington, DC**
Senior Toxicologist

Health and Environmental Review Division, Office of Toxic Substances

- As acting Team Leader, supervised a secretary and a team of six scientists responsible for reviewing cancer studies;
- Evaluated and validated cancer studies under Sections 4,5 and 6 of the Toxic Substances Control Act;
- Implemented a research program on the use of biochemical and immunological markers as early indicators of cancer in experimental animals;
- Managed several extramural research projects.

1977-1980 **US National Cancer Institute, NIH** **Bethesda, MD**
Pharmacologist

National Toxicology Program, Carcinogenesis Testing Program

- Managed, designed, monitored, and evaluated long-term animal cancer studies;
- Coordinated testing activities between the US National Cancer Institute and the US National Institute of Environmental Health Sciences.

- 1970-1977 **US National Cancer Institute, NIH** **Bethesda, MD**
Research Pharmacist
Laboratory of Toxicology, Division of Cancer Treatment
- Conducted research on anti-cancer drugs;
 - Discovered the enzyme “L-asparagine synthetase” in pancreas of mammalian and avian species.
- 1968-1970 **White Earth Indian Reservation** **White Earth, MN**
Chief Pharmacist
- Set up the first pharmacy in an outpatient clinic on an Indian reservation.

PRESENTATIONS and PUBLICATIONS

- Organized or presented at over 25 national or international conferences;
- Published over 70 scientific papers and abstracts on cancer, toxicology and pharmacology;
- Wrote and evaluated numerous hazard and risk assessments for the US Environmental Protection Agency;
- Edited 5 books including the *Handbook of Carcinogen Testing*, *Markers of Chemically Induced Cancer*, and *Biochemical Mechanisms and Regulation of Intercellular Communication*.

MEMBERSHIP in PROFESSIONAL SCIENTIFIC and PHARMACEUTICAL SOCIETIES, ASSOCIATIONS and ADVISORY COMMITTEES

- Society of Toxicology (SOT)
- National Capital Area Chapter of the Society of Toxicology (***President***, '05-'06; ***Vice President***, '04-'05; ***Councilor and Newsletter Editor***, '00-'03) (NCAC-SOT)
- American Society for Pharmacology and Experimental Therapeutics (ASPET)
- American Pharmacists Association (APhA)
- Association of Government Toxicologists (AGT)
- US Surgeon General C. Everett Koop’s Scientist Professional Advisory Committee (***Chairman***, '88-'89)
- US Public Health Service Centennial Planning Committee
- Peer Reviewer – *Journal of Toxicology and Applied Pharmacology*

LICENSES

- Pharmacist (*ret.*), MD and NY

AWARDS

- **US Public Health Service Citation** ('84; '89; '90)
- **US Public Health Service Commendation Medal** ('80)
- **US Environmental Protection Agency Bronze Medal for Commendable Service** ('84)

EDUCATION

- **Ph.D.** (*Pharmacology*), 1978 -- George Washington University, Washington, DC
- **M.S.** (*Pharmaceutics*), 1968 -- St. John's University, Jamaica, NY
- **B.S.** (*Pharmacy*), 1966 -- Columbia University, New York, NY

MILITARY SERVICE

1968-1998 **Commissioned Corps of the US Public Health Service**
Captain (ret.)