

## Hillary M. Carpenter III

### Office:

Minnesota Department of Health  
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### Educational Background:

- B.S. Zoology, California State University, Long Beach, 1970
- M.A. Biology, California State University, Long Beach, 1973  
Thesis title: Properties of Bifunctional Glycolytic Enzymes in *Pachygrapsus crassipes* Randall.
- Ph.D. Pharmacology, Dartmouth College, Hanover, New Hampshire, requirements completed 1978; degree conferred 1979. Thesis title: Mechanisms of the Nephrotoxicity of Acetaminophen Studied in the Mouse Kidney Cortex System.

### Professional Experience:

- 1971-1973: Graduate Teaching Assistant, Department of Biology, California State University, Long Beach.
- 1973-1978: Predoctoral Trainee, Department of Pharmacology and Toxicology, Dartmouth Medical School, Hanover, New Hampshire.
- 1978-1985: Research Associate (Postdoctoral), Department of Agricultural Chemistry, Oregon State University. Projects: Metabolism of Hexachlorobenzene- Toxicity and Porphyria; Pharmacokinetics and Metabolism of Chlorophenols.
- 1986-1987: Research Associate, Department of Fisheries and Wildlife, OSU. Research projects; Disposition of chlorinated hydrocarbons; Effect of temperature acclimation on monooxygenases of rainbow trout.
- 1987-1994: Senior Research Associate, Department of Fisheries and Wildlife, OSU.
- 1991-1995: Toxicology Program Faculty, OSU.
- 1994-1995: Assistant Professor, College of Pharmacy, OSU.
- 1995- : Toxicologist, Minnesota Department of Health.
- 1996- : Adjunct Faculty, University of Minnesota School of Public Health
- 1998-2000: Councilor for the Northland Chapter of the Society of Toxicology
- 2000- : Member National Toxicology Program's Board of Scientific Councilors

**Current Duties:**

Include: developing health based values for environmental contaminants such as pesticides and metals; providing toxicological support for the Minnesota Fish Consumption Advisory Program, and for the Health Department on such issues as endocrine disrupters and deformed frogs; and conducting risk assessments as requested by other state agencies

**Research Interests:**

The role of metabolism in the bioactivation of drugs and environmental contaminants; processes utilized for biochemical adaptation to xenobiotics; comparative aspects of biochemical metabolism and toxicology.

**Professional Societies:**

Society of Toxicology  
Northland Regional Chapter of the Society of Toxicology  
International Society for the Study of Xenobiotics

**Professional Accomplishments:**

Thirty-four articles published, twenty-nine in peer-reviewed journals; thirteen presentations at scientific meetings; thirty-eight presentations at workshops, meetings or conferences.