

Re-Envisioning Carcinogenicity Assessment at NTP

Presenter: Dr. Warren Casey, NICEATM, DNTP, NIEHS

Overview

“Cancer” refers to a collection of more than 100 different human proliferative diseases, each with its own risk factors, causes and characteristics. Since the early 1970’s, the 2-year rodent bioassay has been the legal standard for assessing the (human) carcinogenic potential of pharmaceuticals, industrial and agricultural chemicals, food additives, environmental pollutants and other exposures of public health concern. However, there are some acknowledged limitations of the rodent bioassay, including: high cost, extensive time to conduct and report, and limited translational relevance. In building on its history of innovation, excellence, and impact, the National Toxicology Program is now leading the development of a new framework for assessing human cancer risk from environmental exposures. This presentation will introduce the new Carcinogenesis Health Effect Innovation program and discuss some of the conceptual approaches under consideration.

The DNTP Program Management Team overseeing this project includes Drs. Dori Germolec, Alison Harrill, Arun Pandiri, Erik Tokar, Amy Wang, and Warren Casey.