

# Raymond Tice Receives Award for Advancing Alternatives

## Foundation recognizes achievements in reducing, refining, and replacing animals in testing

September 29, 2016

Raymond Tice, a scientist with a distinguished career in investigating the best methods to determine the safety of chemicals, received the William and Eleanor Cave Award today at a private reception in Research Triangle Park, NC.

The award was presented by the Alternatives Research & Development Foundation (ARDF) of Jenkintown, PA, before a gathering of colleagues attending the fifth Annual Meeting of the American Society for Cellular and Computational Toxicology (ASCCT).

ARDF President Sue Leary explained, “This recognition is for Ray Tice’s impressive achievements in advancing alternative test methods. Most recently, his leadership in the Toxicology in the 21st Century (Tox 21) interagency group was a key factor in implementing a plan and moving forward a vision that will benefit human health and spare animals.”

Dr. Tice is a toxicologist who began his career by evaluating the ability of chemicals to damage the DNA of cultured human cells. This research focus prepared him for a career ultimately directed at characterizing the potential of in vitro methods for hazard assessment. He was most recently employed by the U.S. National Toxicology Program (NTP) where he served as the first Chief of the Biomolecular Screening Branch and was critically involved in the evolution of the field, which was marked by a paradigm shift with the 2007 publication of “Toxicity Testing in the 21st Century: A Vision and a Strategy,” authored by a distinguished National Academy of Sciences Committee. Since the report urged moving away from traditional toxicology based on animal testing, Dr. Tice was uniquely positioned to help craft plans for transitioning the field and obtaining toxicological information from ‘new science’ sources. Although he retired from the NTP in early 2015, he retains a role as a special volunteer/senior advisor, demonstrating his dedication and commitment.

During his career, Dr. Tice authored hundreds of scientific articles, book chapters, and reports evaluating alternative test methods. He has served on many professional society committees and received numerous awards and honors for his work, including the NIH Director’s Award “in recognition of extraordinary vision, effort, creativity, and scientific leadership during the implementation of the Toxicology in the 21st Century (Tox21) interagency effort.”

Dr. Tice commented, “I am very grateful and pleased to receive this honor. I have always tried to facilitate interactions, be inclusive, and recognize the contributions of others rather than making it about me personally so when something like this happens, it comes as a very unexpected but nonetheless welcome surprise.” The Cave Award includes an honorarium of ten thousand dollars, but Dr. Tice has designated half of the amount to establish a student award program for the ASCCT.

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### **The William and Eleanor Cave Award**

The William and Eleanor Cave Award is presented to recognize achievements in developing alternatives to the traditional use of animals in testing, research, or education.

It is presented biannually by the Alternatives Research & Development Foundation.

Past recipients (and their affiliations at the time of the award) have included:

Ruy Tchao, *University of the Sciences*  
George Russell, *Adelphi University*  
John Sheasgreen, *MatTek Corporation*  
Leon Bruner, *The Gillette Company*  
Daniel Smeak, *The Ohio State University*  
Rodger Curren, *Institute for In Vitro Sciences*  
Mel Andersen, *The Hamner Institute for Health Sciences*  
Frank Gerberick, *Procter & Gamble Company*

A special Award was presented in 2010 to the journal ATLA (Alternatives To Laboratory Animals), for its invaluable contributions to advancing the science of alternatives.

William and Eleanor Cave were devoted officers of The American Anti-Vivisection Society for decades. They recognized the opportunities in developing new technologies and alternative methods to address the problems of animal experimentation. They dedicated resources to fund research, eventually resulting in the establishment of the Alternatives Research & Development Foundation.

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#### *Alternatives Research & Development Foundation*

*ARDF's mission is to fund and promote the development, validation, and adoption of non-animal methods in biomedical research, product testing, and education. ARDF has awarded over \$2.8 million in grants to researchers developing alternative test methods at major universities across the U.S., and sponsors scientific meetings such as the World Congresses on Alternatives and Animal Use in the Life Sciences. Information is available at [www.ardf-online.org](http://www.ardf-online.org).*