

Toxicology Centre Distinguished Lecturer Series

Dr. Gerald (Gary) Ankley Toxicologist, USEPA Mid-Continent Ecology Division in Duluth, Minnesota

Dr. Gerald (Gary) Ankley is a globally-recognized Toxicologist with the US Environmental Protection Agency (USEPA) Mid-Continent Ecology Division in Duluth, Minnesota and an Adjunct Professor at the University of Minnesota and University of Minnesota-Duluth. Dr. Ankley received his BS from the Department of Fisheries and Wildlife at Michigan State University, and MS and PhD from the School of Forest Resources at the University of Georgia. He has worked at the Duluth EPA lab for about 25 years in several areas, including the development of test methods for effluents and sediments, assessment of the effects of endocrine-disrupting chemicals on wildlife, and application of genomic and computational toxicology tools to ecological risk assessments.

“Adverse Outcome Pathways: Enhancing the Role of Predictive Toxicology in Chemical Risk Assessment”

Monday, October 20, 2014
12:30 p.m.
Rm. 2104, WCVM
University of Saskatchewan
For full abstract, please visit usask.ca/toxicology.



Historically, ecological risk assessments for chemicals have been largely based on toxicity data from whole animal tests with apical endpoints such as survival, growth and reproduction. This type of testing is costly and time-consuming. At the same time, regulatory programs throughout the world increasingly are requiring data for more chemicals and assessment scenarios. To meet this need, toxicologists are more commonly employing predictive toxicology tools which utilize mechanistic, pathway-based data that have not typically been used in the past for risk assessment applications. This presentation will explore such approaches.



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