Carlie LaLone, Bioinformaticist, in EPA's National Health and Environmental Effects Research Laboratory

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Area of Expertise: My research interests and published work include topics related to species extrapolation, adverse outcome pathway development and application, effects of pharmaceuticals in the environment, and ecotoxicology

Selected Publications:

LaLone, C. A., Villeneuve, D. L., Wu-Smart, J., Milsk, R. Y., Sappington, K., Garber, K. V., Housenger, J., Ankley, G. T. 2017. Weight of evidence evaluation of a network of adverse outcome pathways linking activation of the nicotinic acetylcholine receptor in honey bees to colony death Science of the Total Environment DOI: 10.1016/j.scitotenv.2017.01.113

LaLone, C. A., Villeneuve, D. L., Lyons, D., Helgen, H. W., Robinson, S. L., Swintek, J. A., Saari, T.W, Ankley, G. T. 2016. Sequence Alignment to Predict Across Species Susceptibility (SeqAPASS): A web-based tool for addressing the challenges of cross-species extrapolation of chemical toxicity. Toxicological Sciences. 153(2):228-245. DOI: 10.1093/toxsci/kfw119

LaLone, C. A., Berninger, J. P., Villeneuve, D. L., Ankley, G. T. 2014. Leveraging Existing Data for Prioritization of the Ecological Risks of Human and Veterinary Pharmaceuticals to Aquatic Organisms. Philosophical Transactions of the Royal Society B 369 (1656). DOI: 10.1098/rstb.2014.0022

View more research publications by Carlie LaLone.

Education

- B.S., University of Minnesota Duluth, Duluth, MN; Biochemistry/Molecular Biology, 2003
- B.A., University of Minnesota Duluth, Duluth, MN; Chemistry, 2003
- Ph.D., Iowa State University, Ames, IA; Genetics; 2009

Professional Experience:

- Editorial Board Member, Society of Environmental Toxicology and Chemistry, 2012-Present
- Workshop Co-chair, Society of Environmental Toxicology and Chemistry Pellston Workshop; "Advancing the Adverse Outcome Pathway Concept – An International Horizon Scanning Approach," 2017
- Science and Technology Achievement Award, Two Level III 2015 and Two Honorable Mention 2013
- Environmental Toxicology and Chemistry Exceptional Reviewer, 2014 and 2015