

Rong-Lin Wang, Research Biologist, in EPA's National Exposure Research Laboratory

Exposure Methods and Measurements Division

[Mailing Address](#)

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Area of Expertise: Population/evolutionary genetics, genomics, computational omics-data mining, and their applications in human health/ecological risk assessment. Since joining ORD in 2004, I have been mostly involved in research projects delineating chemical toxicity pathways and developing their biomarkers.

Select Publications:

Rong-Lin Wang, Adam Biales, Natalia Garcia-Reyero, Edward Perkins, Dan Villeneuve, Gerald Ankley, David Bencic. 2016. Fish Connectivity Mapping: Linking Chemical Stressors by Their mechanisms of action-driven Transcriptomic Profiles. *BMC Genomics*, 17:84, DOI: 10.1186/s12864-016-2406-y.

Rong-Lin Wang, David Bencic, Natalia Reyero, Edward Perkins, Daniel Villeneuve, Gerald T. Ankley, Adam Biales, 2014. Natural variation in fish transcriptomes: comparative analysis of zebrafish (*Danio rerio*) and fathead minnow (*Pimephales promelas*). *PLoS ONE* 9(12): e114178. doi:10.1371/journal.pone.0114178.

Rong-Lin Wang, David Bencic, Adam Biales, Robert Flick, Jim Lazorchak, Daniel Villeneuve, Gerald Ankley, 2012. Discovery and validation of gene classifiers for endocrine disrupting chemicals in zebrafish (*Danio rerio*). *BMC Genomics* 13:358.

Rong-Lin Wang, David Bencic, Daniel L. Villeneuve, Gerald T. Ankley, Jim Lazorchak, Stephen Edwards. 2010. A transcriptomics-based biological framework for studying mechanisms of endocrine disruption in small fish species. *Aquatic Toxicology* 98:230-244.

View more research publications by [Rong-Lin Wang](#).

Education:

- Ph.D. in plant population genetics/ecophysiology, 1994, Iowa State University
- M.S. in plant physiology, 1987, Washington State University
- B.S. in plant sciences, 1982, Sichuan Agricultural University, China

Professional Experience:

Honors and Awards:

- NERL Special Achievement Award, 2015

- ORD Pathfinder Innovation Projects (PIP) 4, 2014, lead PI
- EPA ORD PIP2, 2012, team member
- ORD Scientific and Technological Achievement Awards (STAA) 2012, Level II, primary recipient
- ORD STAA 2011, Level II, co-recipient
- ORD Teamwork award 2010, co-recipient
- ORD STAA 2010, Level III, co-recipient