

## **Paul Wernsing, Biologist, in EPA's National Exposure Research Laboratory**

Exposure Methods and Measurements Division

[Mailing Address](#)

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**Area of Expertise:** I primarily function as lab/technical support. Help and conduct genetic toxicology experimentation, including application of fluorescence microscope methods and computerized images to genetic damage scoring. I work with researchers to discuss the evolution of toxicity in erythropoietic systems of fish and in tissues of other aquatic organisms as a result of exposure to chemical stressors. I handle, deploy and retrieve hester-deny traps, collect aquatic organisms from rivers and lakes in support of ongoing research studies, and support sorting of macroinvertebrates at the Experimental Stream Facility.

### **Select Publications:**

Lazorchak, J., J. Meier, K. Fritz, M. Mills, P. Wernsing, H. Haring, D. Walters, J. Kraus, AND B. Armstrong. A weight of evidence approach for assessing remediation of contaminated sediments using food web tissue contamination, biotic condition and DNA damage. SETAC Europe, Nantes, FRANCE, May 22 - 26, 2016.

Meier, J., S. Snyder, V. Sigler, D. Altfater, M. Gray, B. Batin, P. Baumann, D. Gordon, P. Wernsing, AND J. Lazorchak. An Integrated Assessment of Sediment Remediation in a Midwestern U.S. Stream Using Sediment Chemistry, Water Quality, Bioassessment and Fish Biomarkers. ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY. Society of Environmental Toxicology and Chemistry, Pensacola, FL, 32(3):653-661, (2013).

Meier, J. R., L. W. Chang, S. E. Franson, F. B. Daniel, G. P. Toth, J. M. Lazorchak, AND P. A. Wernsing. ASSESSMENT OF GENETIC DAMAGE INDICATORS IN FISH IN LABORATORY, MESOCOSM AND WATERSHED STUDIES. Presented at Society of Environmental Toxicology and Chemistry, Salt Lake City, UT, November 18-22, 2002.

View more research publications by [Paul Wernsing](#).

### **Education:**

- B.A. in Biology, 1974, Gallaudet University – Washington, D.C.

### **Professional Experience:**

- Biologist. USEPA, ORD/NERL, 2007 to Present
- Biological Science Laboratory Technician, USEPA, ORD/NERL, 1990 to 2007