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Project: *Use of Biological Endpoints in Flatfish to Establish Sediment Quality Criteria for Polyaromatic Hydrocarbon Residues and Assess Remediation Strategies*

Education: B.S. Toxicology, Northeast Louisiana University 1984
Ph.D. Toxicology, Oregon State University 1989

Positions: 2000-Present Professor, Aquatic Ecotoxicology, Department of Environmental Sciences, University of California, Riverside, CA.
1999-2000 Program Coordinator of Environmental Toxicology Program, Environmental and Community Health Research Program, University of Mississippi, University, MS
1998-2000 Coordinator for the Graduate Program in Pharmacology, University of Mississippi
1995-1998 Assistant Professor of Pharmacology and Toxicology, University of Mississippi
1991-1995 Assistant Professor of Toxicology, University of Arkansas for Medical Sciences, Little Rock, AR
1989-1991 Postdoctoral Fellow, Duke University Marine Laboratory, Integrated Toxicology Program, Beaufort, NC

Selected Publications:

- Huggett, D.B., B.W. Brooks, B.Peterson, C.M. Foran, and D. Schlenk. Toxicity of Select Beta-Adrenergic Receptor Blocking Pharmaceuticals (b-Blockers) on Aquatic Organisms. *Archives of Environmental Contamination and Toxicology* (in press).
- Schlenk, D., W.H. Benson, S. Steinert, R.Handy and M.Depledge. Biomarkers in The Toxicology of Fishes, R. Di Giulio and D. Hinton, editors. Taylor and Francis Publishers, Washington DC (submitted).
- Schlenk, D., E. Sapozhnikova, J.P. Baquirian, and Z. Mason. Utilization of biochemical and health endpoints in fish to guide analytical chemistry analyses of sediments. *Environmental Toxicology and Chemistry* (in press).
- Seruto, C., Y. Sapozhnikova and D.Schlenk. Evaluation of the relationships between biochemical endpoints of pah exposure and physiological endpoints of reproduction in male California halibut (*Paralichthys californicus*) exposed to sediments from a natural oil seep. *Marine Environmental Research* (submitted).
- Tilton, F., W.H. Benson and D. Schlenk. Evaluation of estrogenic activity from a Municipal Wastewater Treatment Plant with Predominantly Domestic Input. *Aquatic Toxicology* (in press).
- Todorov, J.R., A.A. Elskus, D. Schlenk, P.L. Ferguson, B.J. Brownawell and A.E. McElroy. Estrogenic Responses of Larval Sunshine Bass (*Morone saxatilis* X *M. chrysops*) Exposed to New York City Sewage Effluent. *Marine Environmental Research* (in press).
- Schlenk, D. Biotransformation of Pesticides in Biochemical and Molecular Biology of Fishes Vol. 6 - Environmental Toxicology, T.W. Moon and T.P. Mommsen, editors. *Elsevier, New York* (submitted).
- Sapozhnikova, E., O. Bawardi, L.A. Roy and D. Schlenk. 2004. Pesticides and PCBs in sediments and fish from the Salton Sea, California, USA. *Chemosphere* **55**:797-809.
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- Schlenk, D. 2003. Use of Biochemical Endpoints to determine relationships between contaminants and impaired fish health in a freshwater stream. *Human and Ecological Risk Assessment* **9**:59-66.
- Riedel, R., D. Schlenk, D. Frank, and B. Costa-Pierce. 2002. Analyses of organic and inorganic contaminants in Salton Sea fish. *Marine Pollution Bulletin* **44**:403-411.
- Elalfy, A., S. Grisle, and D. Schlenk. 2001. Characterization of Salinity-enhanced toxicity of aldicarb to Japanese medaka: sexual and developmental differences. *Environmental Toxicology and Chemistry* **20**:2093-2098.
- Schlenk, D., D.B. Huggett, D.S. Block, S. Grisle, J. Allgood, E. Bennet, A.W. Holder, R.M. Hovinga, and P. Bedient. 2001. Toxicity of Fipronil and its Degradation Products to *Procambarus* sp.: Field and Laboratory Studies. *Archives of Environmental Contamination and Toxicology* **41**:325-332.
- Tilton, F., W.H. Benson, and D. Schlenk. 2001. Elevation of serum 17-b-estradiol in channel catfish following injection of 17-b-estradiol, ethynyl estradiol, estrone, estriol and estradiol-17-b-glucuronide. *Environmental Toxicology and Pharmacology* **9**:169-172.
- Debusk, B.C., S. Kumir, J. Rimoldi, and D. Schlenk. 2000. Phase I and II enzyme and activity levels in the gumboot chiton *Cryptochiton stelleri* following exposure to a dietary bromo-phenol, lanosol. *Comparative Biochemistry and Physiology* **127C**:133-142.