

DANIEL WEBER

Children's Environmental Health Institute
University of Wisconsin-Milwaukee
600 E. Greenfield Ave.
Milwaukee, WI 53204
(414) 382-1726

RESEARCH EXPERIENCE

2004-Present	Clinical Associate Professor Clinical Laboratory Sciences Program College of Health Sciences University of Wisconsin-Milwaukee
2005-Present	Associate Scientist Manager, Neurobehavioral Toxicology Facility Marine & Freshwater Biomedical Sciences Center University of Wisconsin, Milwaukee
2000-2005	Assistant Scientist Manager, Neurobehavioral Toxicology Laboratory Marine & Freshwater Biomedical Sciences Center University of Wisconsin, Milwaukee
1991-1992	Research Affiliate, Zoology Section Milwaukee Public Museum
1988-2000	Researcher Marine & Freshwater Biomedical Sciences Center University of Wisconsin, Milwaukee
1983-1987	Research Technologist-Operations Manager Aquatic Biomedical Research Center Medical College of Wisconsin, Milwaukee
1982	Quality Control Analyst Midwest Biochemical Corporation Milwaukee, Wisconsin
1978	Research Assistant Division of Forestry, Ministry of Agriculture Ilanot, Israel
1977	Research Assistant Department of Animal Reproduction Agricultural Research Organization Beit Dagan, Israel (Sponsor: International Association for the Exchange of Students For Technical Experience)
1975-1977	Field Assistant (Diatom ecology, Montane vertebrate behavior) Division of Biological Sciences University of Michigan, Ann Arbor

TEACHING EXPERIENCE

2009	Presenter, Environmental Health Science Modules, Student Science Teacher Seminar Series, School of Education, Univ. of Wisc.-Milwaukee
2008	Presenter, Public Health Nurse Practices: Finding Evidence to Apply to Environmental Health Issues, University of Wisconsin-Milwaukee
1999-2000	Adjunct Faculty, Conservation and Environmental Improvement Carroll College, Waukesha, Wisconsin
1997-Present	Staff Scientist, Teacher Enhancement for Environmental Health Education, NIEHS grant to University of Wisconsin-Milwaukee
1995-Present	Preceptor, Lecturer, Program for Undergraduate Minority Students, NIEHS grant to University of Wisconsin-Milwaukee
1994, 1998	Presenter, EnviroVet Summer Workshop, University of Minnesota-Duluth Behavioral Alterations and Ecological Implications of Environmental Contaminants in Fishes
1981-1982	Biology & General Science Homestead High School, Mequon, Wisconsin
1981	Biology & General Physiology Clay Senior High School, Oregon, Ohio

PROFESSIONAL, UNIVERSITY AND COMMUNITY SERVICE

2008-Present	Judge, Milwaukee Public Schools Science Fair, Milwaukee, WI
2008	Mentor, Science Fair Project, Milwaukee Jewish Day School
2003-Present	Chair, Science and Technology Advisory Board, Canfei Nesharim (an international environmental organization for the Jewish community)
2003-Present	Judge, University School of Milwaukee Science Fair, Milwaukee, WI
2001-2004	Expert Scientist, Expert Assistance Pool, South Florida Water Management District, West Palm Beach, FL
1996-Present	Member, University of Wisconsin-Milwaukee Animal Care and Use Committee
1993-1995	Member, City of Glendale Forestry Committee
1991-1994	Judge, St. Eugene School Science Fair, Milwaukee, Wisconsin
1984-1999	Judge, Southeastern Wisconsin Science and Engineering Fair Marquette University, Milwaukee, Wisconsin
1982-1985	Volunteer Educational Consultant Educational Services, Milwaukee Public Museum

EDUCATION

University of Wisconsin-Milwaukee
Ph.D.-Biological Sciences (1991)
Major: Ecology/Ethology; Minor: Physiology
Thesis: Physiological and Behavioral Effects of Waterborne Lead on Fathead
Minnows (*Pimephales promelas*)

University of Michigan-Ann Arbor
Secondary Biology and Science Education (1980)
M.S.-Biological Sciences (1976)

Kent State University, Ohio
Doctoral Program-Limnology (1978-1979)
Teaching Assistant-General Biology

University of Wisconsin-Madison
B.S. (With Distinction)-Zoology (1975)

PROFESSIONAL SOCIETIES

Behavioral Toxicology Society/Neurobehavioral Toxicology Society
Society of Environmental Toxicology and Chemistry-Midwest Chapter

SPECIAL RECOGNITION

Award-Student Poster, 9th International Neurotoxicology Conference
New Dimensions of Lead Neurotoxicity: Redefining Mechanisms and Effects
Little Rock, AR (1991)

Certificate of Appreciation for Service
Volunteer Action Center, Milwaukee (1984)

Lawrence A. Conrey Science Education Award
University of Michigan (1981)

Exchange Student, International Association for the Exchange
of Students For Technical Experience (1977)

PUBLICATIONS

Gingrich, DJ, WEBER, DN, Shaw III, CF, Garvey, J and Petering, DH: Characterization of a highly negative and labile binding protein induced in *Euglena gracilis* by cadmium. Environ. Health Perspect. 65:77-85, 1986.

WEBER, DN, Shaw III, CF and Petering, DH: *Euglena gracilis* cadmium-binding-protein-II contains sulfide ion. J. Biol. Chem. 262:6962-6964, 1987.

WEBER, DN and Spieler, RE: Effects of the light-dark cycle and scheduled feeding on behavioral and reproductive rhythms of the cyprinodont fish, Medaka (*Oryzias latipes*). Experientia 43:621-624, 1987.

Taylor, P, WEBER, D, Gingrich, D, Shaw III, CF and Petering, DH: Cd, Zn speciation and metabolism in *Euglena gracilis*: Metal-metal interactions and cell proliferation. In: Heavy Metals in the Environment. (Eds) SE Lindberg and TC Hutchinson, CEP Consultants, Ltd., Edinburgh, 1987, pp. 250-252.

WEBER, D, Shaw III, CF and Petering, DH: Properties of structure and function of cadmium-binding proteins/peptides from *Euglena gracilis*. Mar. Environ. Res. 24:159-162, 1988.

Shaw III, CF, Petering, DH, WEBER, DN and Gingrich, DJ: Inorganic studies of cadmium-binding peptides from *Euglena gracilis*. In: Metal Ion Homeostasis: Molecular Biology and Chemistry. (Eds) D Winge and D Hamer, Alan R. Liss, Inc., NY 1989, pp. 313-324.

Petering, DH, Goodrich, MS, Hodgeman, W, Krezoski, S, WEBER, D, Shaw III, CF, Spieler, RE and Zettergren, LD: Metal-binding proteins and peptides for the detection of heavy metals in aquatic environments. In: Biomarkers for Environmental Contamination. (eds) J McCarthy and L Schugart. Lewis Pub., Boca Raton, FL, 1990 pp. 239-254.

Zettergren, LD, Boldt, BW, Petering, DH, Goodrich, MS, WEBER, DN and Zettergren, JG: Effects of prolonged low-level cadmium exposure on tadpole immune system. *Toxicol. Lett.* 55:11-19, 1991.

WEBER, DN and Spieler, RE: Effects of low-level waterborne lead on circulating levels of cortisol and thyroid hormones in rainbow trout. *Med. Sci. Res.* 19:477, 1991.

Zettergren, LD, Conrad, CA, Petering, DH, WEBER, DN and Goodrich, MS: Immunochemical and immunohistochemical studies of cadmium associated protein in *Rana* tadpoles. *Toxicol. Lett.* 59:221-228, 1991.

WEBER, DN, Russo, A, Seale, DB and Spieler, RE: Waterborne lead affects feeding abilities and neurotransmitter levels in fathead minnows (*Pimephales promelas*). *Aquat. Toxicol.* 21:71-80, 1991.

WEBER, DN, Eisch, S, Spieler, RE and Petering, DH: Metal redistribution in largemouth bass (*Micropterus salmoides*) in response to restraint stress and dietary cadmium: Role of metallothionein and another metal-binding proteins. *Comp. Biochem. Physiol.* 101C:255-262, 1992.

Lee, PC, Yoon, H, Struve, MF, WEBER, DN and Goodrich, MS: Liver and brain glucocorticoid receptor in rainbow trout (*Oncorhynchus mykiss*): Down-regulation by dexamethasone. *Gen. Comp. Endocrinol.* 87:222-231, 1992.

WEBER, DN: Exposure to sublethal levels of waterborne lead alters reproductive behavior patterns in fathead minnows (*Pimephales promelas*). *Neurotoxicol.* 14:347-358, 1993.

WEBER, DN and Spieler, RE: Behavioral mechanisms of metal toxicity in fishes. In: Aquatic Toxicology: Molecular, Biochemical, and Cellular Perspectives. (eds) DC Malins and GM Ostrander, Lewis Pub., Inc., Boca Raton, FL, 1994 pp. 421-467.

Spieler, RE, Russo, AC and WEBER, DN: Effects of waterborne lead on circadian variations of brain neurotransmitters in fathead minnows. *Bull. Environ. Contam. Toxicol.* 55:412-418, 1995.

WEBER, DN: Lead-induced metabolic imbalances and feeding alterations in juvenile fathead minnows (*Pimephales promelas*). *Environ. Toxicol. Wat. Qual.* 11:45-51, 1996.

WEBER, DN: Mechanisms of behavioral toxicology: An integrated approach. *Amer. Zool.* 37:343-345, 1997.

WEBER, DN, Dingel, WM, Panos, JJ and Steinpreis, RE: Alterations in neurobehavioral responses in fishes exposed to lead and lead-chelating agents. *Amer. Zool.* 37:354-362, 1997.

Alados, CL and WEBER, DN: Lead effects on the predictability of reproductive behavior in fathead minnows (*Pimephales promelas*): A mathematical model. *Environ. Toxicol. Chem.* 18:2392-2399, 1998.

Hutz, RJ, Wimpee, BAB, Dasmahapatra, A, WEBER, DN, Hiemler, I, and Chaffin, CL: Differential modulation by aromatic hydrocarbon receptor agonist of circulating estradiol-17 β and estrogen-receptor DNA-binding capability in female rainbow trout (*Oncorhynchus mykiss*). *Zool. Sci.* 16:161-166, 1999.

Rademacher, D, Steinpreis, RE and WEBER, DN: Short-term exposure to dietary Pb and/or DMSA affects dopamine and dopamine metabolite levels in the medulla, optic tectum and cerebellum of rainbow trout (*Oncorhynchus mykiss*). Pharmacol. Biochem. Behav. 70:199-207, 2001.

Adkins-Regan, E and WEBER, DN: Mechanisms of behavior. In: Behavioural Ecotoxicology, (ed) G Dell'Omo, John Wiley Pub., England, 2002, pp. 91-166.

Aguilar, C, Petering, DH, Ryder, R and WEBER, DN: Development of behavioural ecotoxicology experiments in pre-college classrooms. In: Behavioural Ecotoxicology, (ed) G Dell'Omo, John Wiley Pub., England, 2002, pp. 433-451.

Rademacher, D, Steinpreis, RE and WEBER, DN: Effects of dietary Pb and/or dimercaptosuccinic acid exposure on regional serotonin and serotonin metabolite content in rainbow trout (*Oncorhynchus mykiss*). Neurosci. Lett. 339:156-160, 2003.

WEBER, DN and Bannerman, R: Relationships between impervious surfaces within a watershed and measures of reproduction in fathead minnows (*Pimephales promelas*). Hydrobiologia 525:215-228, 2004.

Carvan III, MJ, Loucks, E, WEBER, DN and Williams, F: Ethanol effects on the developing zebrafish: Neurobehavior and skeletal morphogenesis. Neurotox. Teratol. 26:757-768, 2004.

Rademacher, DJ, WEBER, DN, and Hillard, CJ: Waterborne lead exposure affects brain endocannabinoid content in male but not female fathead minnows (*Pimephales promelas*). Neurotoxicol. 26:9-15, 2005.

WEBER, DN: Dose-dependent effects of developmental mercury exposure on C-start escape responses of larval zebrafish (*Danio rerio*). J. Fish Biol. 69:75-94, 2006.

Klaper, R, Rees, CB, Drevnick, P, WEBER, D, Sandheinrich, M, and Carvan, MJ: Gene expression changes related to endocrine function and decline in reproduction in fathead minnows (*Pimephales promelas*) after dietary methylmercury exposure. Environ. Health Perspectiv. 114:1337-1343, 2006.

WEBER, DN, Connaughton, VP, Dellinger, JA, Klemer, D, Udvardia, A, and Carvan III, MJ: Selenomethionine reduces visual deficits due to developmental methylmercury exposures. Physiol. Behav. 93:250-260, 2008.

Smith, LE, Carvan III, MJ, White, DC, Williams, FE, and WEBER, DN: Developmental selenomethionine and methylmercury exposures affect zebrafish learning. Neurotoxicol. Teratol. (in review).

Corsi, SR, Klaper, RD, WEBER, DN, Bannerman, RT: Identifying water- and sediment-quality relations using an in-situ fathead minnow spawning assay over a wide range of urban influence. Ecol Appl (in press)

Book review: Concepts in Modern Biology by David Kraus, Globe Press, 5th edition, In: Science Books and Films, May, 1985.

PRESENTATIONS and ABSTRACTS

Shaw, C.F., Gingrich, D.J., Taylor, P.K., WEBER, D.N. and Petering, D.H.: Cadmium and zinc metabolism in *Euglena gracilis*: Properties of a cadmium-binding protein and a large pool of low molecular weight zinc. Biochemistry of high-affinity metal-binding proteins in non-mammalian species: Implications for human health, International Conference on Metal Binding Proteins, Research Triangle, NC, September 19-21, 1984.

WEBER, D.N., Petering, D.H. and Shaw III, C.F.: *Euglena gracilis* as a model for toxic-essential metal

metabolism in aquatic systems: Cadmium. 28th Conference for Great Lakes Research, International Association for Great Lakes Research, University of Wisconsin-Milwaukee, June 3-5, 1985.

WEBER, D.N., Petering, D.H. and Shaw III, C.F.: Properties of the cadmium binding proteins in *Euglena gracilis*. 20th Great Lakes Regional Meeting, American Chemical Society, Milwaukee, WI, June 2-5, 1986.

WEBER, D.N., Petering, D.H. and Shaw III, C.F.: Properties of the cadmium binding proteins in *Euglena gracilis*. Joint Meeting of the American Society of Biological Chemists and the Division of Biological Chemistry of the American Chemical Society, Washington, DC, June 9-12, 1986.

WEBER, D.N., Shaw III, C.F. and Petering, D.H.: Properties of structure and function of cadmium binding proteins from *Euglena gracilis*. 4th International Symposium on Responses of Marine Organisms to Pollutants. Woods Hole, MA, April 22-24, 1987.

Taylor, P., WEBER, D., Gingrich, D., Shaw III, C.F. and Petering, D.H.: Cd, Zn speciation and metabolism in *Euglena gracilis*: Metal-metal interactions and cell proliferation. International Conference on Heavy Metals in the Environment. New Orleans, LA, September 1987.

Zettergren, L.D., Boldt, B.W., Petering, D.H., WEBER, D.N. and Goodrich, M.S.: Effects of cadmium on the development of *Rana* tadpole immune systems. Fourth Congress, International Society of Developmental and Comparative Immunology, Nottingham, UK, July, 1988.

Petering, D.H., Pu Chen, Garvey, J., Goodrich, M., Krezoski, S., Shaw III, C.F., Spieler, R.E., WEBER, D. and Zettergren, L.: Metal-binding proteins for the detection of heavy metals in aquatic organisms. American Chemical Society, Los Angeles, CA, September 25-30, 1988.

WEBER, D., Goodrich, M. and Spieler, R.: Chronic, sublethal rotenone exposure affects the circadian oxygen consumption rhythm of bluegill sunfish. Southern Wisconsin-Chicago 17th Annual Interbranch Meeting, American Association of Laboratory Animal Scientists, Madison, WI, September 14-15, 1989.

Goodrich, M., WEBER, D. and Spieler, R.: An automated device for the measurement of xenobiotic interaction on the circadian and endogenous circadian rhythm of oxygen consumption in aquatic organisms. Southern Wisconsin-Chicago 17th Annual Interbranch Meeting, American Association of Laboratory Animal Scientists, Madison, WI, September 14-15, 1989 and American Society of Pharmacology and Experimental Therapeutics-Special Event, Milwaukee, WI, August 13, 1990.

WEBER, D.N., Russo, A., Seale, D.B. and Spieler, R.E.: Waterborne lead affects the feeding abilities and neurotransmitter levels of fathead minnows (*Pimephales promelas*). 100th Annual Meeting, American Society of Zoologists, Boston, MA, December 26-30, 1989 and American Society of Pharmacology and Experimental Therapeutics-Special Event, Milwaukee, WI, August 13, 1990.

WEBER, D.N.: Waterborne lead affects the feeding abilities and neurotransmitter levels of fathead minnows (*Pimephales promelas*). Sigma Xi Society Graduate Student Symposium, University of Wisconsin-Milwaukee, March 23, 1990.

WEBER, D.N., Spieler, R.E. and Petering, D.H.: Responses of largemouth bass (*Micropterus salmoides*) to restraint stress and dietary cadmium. American Society of Pharmacology and Experimental Therapeutics-Special Event, Milwaukee, WI, August 13, 1990.

Zettergren, L.D., Conrad, C.A., Petering, D.H., WEBER, D.N. and Goodrich, M.S.: Tadpole responses to chronic sublethal levels of aqueous CdCl₂. American Society of Pharmacology and Experimental Therapeutics-Special Event, Milwaukee, WI, August 13, 1990.

Spieler, R.E., Russo, A.C. and WEBER, D.N.: Effects of waterborne lead on diel variations of brain neurotransmitters in fathead minnows. American Society of Zoologists, San Antonio, TX, December 27-

30, 1990.

Zettergren, L.D., Conrad, C.A., Boldt, B.W., Petering, D.H., WEBER, D.N. and Goodrich, M.S.: Immunological and immunochemical studies of cadmium on *Rana* tadpoles. American Society of Zoologists, San Antonio, TX, December 27-30, 1990.

Lee, P.C., Yoon, H.I., Struve, M.F., WEBER, D.N., Spieler, R.E. and Goodrich, M.S.: Down-regulation of glucocorticoid receptors by dexamethasone in rainbow trout. FASEB Meeting 1991.

WEBER, D.N., Russo, A.C., Seale, D.B. and Spieler, R.E.: Fish as biomedical models for lead toxicity. I. Neurobiology. II. Physiology. III. Behavior. Ninth International Neurotoxicology Conference, Little Rock, AR, October 28-31, 1991.

WEBER, D.N.: Sublethal effects of lead: Alterations of fish physiology and behavior. Anchor Watch Series, Center for Great Lakes Studies, University of Wisconsin-Milwaukee, October 23, 1992.

WEBER, D.N., Russo, A.C., Seale, D.B. and Spieler, R.E.: Short-term, sublethal levels of waterborne lead alters physiology of fathead minnows (*Pimephales promelas*). Annual Meeting of the American Society of Zoologists, Vancouver, British Columbia, Canada, December 27-30, 1992.

WEBER, D.N.: Lead simultaneously alters two circadian behavioral rhythms in Medaka, *Oryzias latipes*. Annual Meeting of the American Society of Zoologists, Los Angeles, CA, December 27-30, 1993.

WEBER, D.N., Dingel, W.M., Panos, J.J. and Steinpreis, R.E.: Alterations in neurophysiology and behavior in fish exposed to lead and other urban stream contaminants. Symposium, "Behavioral Toxicology: Mechanisms and Outcomes", Annual Meeting of the American Society of Zoologists, Washington, DC, December 27, 1995.

WEBER, D.N., Liu, J., Steinpreis, R. and Strickler, J.R.: Fish as a biomedical model for analyzing the neurobehavioral toxicity of sublethal lead exposures. N.I.E.H.S. Workshop on Unique Marine/Freshwater Models for Environmental Health Research. National Institute of Environmental Health Sciences, Research Triangle Park, NC, April 20-21, 1998.

WEBER, D.N.: Poisons in our water, poisons in our fish. Sunday Morning Forum, First Unitarian Church, Milwaukee, WI, May 3, 1998.

Aguilar, C., Petering, D., Ryder, R., WEBER, D. and Zettergren, L.: Water quality, toxicology and environmental education. Society of Environmental Toxicology and Chemistry-Midwest Chapter, LaCrosse, WI, March 25-26, 1999.

WEBER, D.N., Rademacher, D. and Steinpreis, R.E.: Predation on lead- and lead-chelator-exposed prey affect dopamine and serotonin levels in specific brain regions of rainbow trout (*Oncorhynchus mykiss*). Society of Environmental Toxicology and Chemistry-Midwest Chapter, LaCrosse, WI, March 25-26, 1999.

WEBER, D.N.: The Great Lakes and environmental pollution. Rotary Club of Mitchell Field, Milwaukee, WI, August 18, 1999.

WEBER, D.N.: Biological and human health impacts of global warming, Bayview Methodist Church, Milwaukee, WI, April 22, 2001.

Dasmahapatra, AK, Carvan, MJ, Wimpee, BAB, WEBER, DN and Dellinger, JA: Effect of dietary methylmercury on fathead minnows: Search for molecular markers. Society of Environmental Toxicology and Chemistry-Midwest Chapter, Racine, WI, April 26-27, 2001.

WEBER, D.N.: Biological and human health impacts of global warming, Interfaith Conference on Global Climate Change, Marquette University, Milwaukee, WI, July 22, 2001.

WEBER, D.N.: Using aquatic species as models of human biomedical health, Department of Biology, University of Haifa-Oranim, Israel, August 16, 2001 (invited speaker).

Gilane, T, Williams, F, White, D, and WEBER, D: Inorganic mercury (HgCl₂) exposure to zebrafish embryos induces deficits in larval reflex response and learning. Both sides of the microscope: American Indians in health and science, Gerald L. Ignace Indian Health Clinic, Milwaukee, WI, August 20, 2003.

Gilane, T. and WEBER, D.N.: Inorganic mercury (HgCl₂) exposure to zebrafish embryos induces deficits in larval reflex response and learning. Health is Our Future: American Indian Health and Science Symposium, Madison, WI, November 7, 2003.

Rademacher, DJ, WEBER, DN, and Hillard, CJ: Subchronic waterborne lead exposure affects brain endocannabinoid content in male but not female fathead minnows (*Pimephales promelas*). Annual Meeting Behavioral Toxicology Society/National Institutes of Environmental Health Science, Research Triangle Park, NC, April 26-28, 2004.

WEBER, DN: Pre-hatch mercury exposure alters startle reflex response in larval zebrafish. International Congress on the Biology of Fish, Manaus, Brazil, August 1-5, 2004 (invited speaker).

Klaper, R, Carvan, MJ, Dasmahapatra, A, WEBER, DN, Drevnick, PE, and Sandheinrich, MB: Gene expression links to endocrine function and reproduction after mercury exposure in fathead minnows. Fourth SETAC World Congress, Portland, OR, November 14-18, 2004.

Carvan III, MJ., Rise, ML, Wimpee, BA, and WEBER, DN: Developmental toxicity of mercury in zebrafish (*Danio rerio*): Alterations in behavior and gene expression. Fourth SETAC World Congress, Portland, OR, November 14-18, 2004.

WEBER, DN, Bannerman, R, and Corsi, S: Relationships between impervious surfaces within a watershed and measures of reproduction in fathead minnows (*Pimephales promelas*). Midwest SETAC Conference, Madison, WI, April 5-6, 2005.

Hewitt, JB and WEBER, DN: Environmental and Public Health Projects—Implications for Public Health Practice. Wisconsin Public Health Association Conference, Madison, WI, May 16-17, 2005.

Smith, L, Dorsey, J., Williams, F., and WEBER, D: Use of a spatial alternation task to assess learning deficits in adult zebrafish developmentally exposed to methylmercury and/or selenomethionine. Midwest SETAC Conference, St. Cloud, MN, March 21-22, 2006.

WEBER, DN: Behavior as a tool to assess the effects of developmental methylmercury exposure in zebrafish. EPA Science Forum, Washington, DC, May 16-18, 2006 (invited presenter).

Smith, L, Dorsey, J., Williams, F., and WEBER, D: Use of a spatial alternation task to assess learning deficits in adult zebrafish developmentally exposed to methylmercury and/or selenomethionine. Zebrafish Conference, Madison, WI, June 14-17, 2006.

WEBER, DN, Carvan III, MJ, Connaughton, V, Dellinger, JA, and Udvadia, A.: Retinal electrophysiology correlates with behavioral responses to visual stimuli in adult zebrafish developmentally exposed to either methylmercury, selenomethionine, or both. International Congress on the Biology of Fish, St. Johns, Newfoundland, Canada, July 18-22, 2006 (invited speaker).

Smith, L, Dorsey, J., Williams, F., and WEBER, D: Use of a spatial alternation task to assess learning deficitss in adult zebrafish developmentally exposed to methylmercury and/or selenomethionine. 8th International Conference on Mercury as a Global Pollutant, Madison, WI August 6-11, 2006.

WEBER, DN, Carvan III, MJ, Connaughton, V, Dellinger, JA, and Udvadia, A.: Retinal electrophysiology

correlates with behavioral responses to visual stimuli in adult zebrafish developmentally exposed to either methylmercury, selenomethionine, or both. 8th International Conference on Mercury as a Global Pollutant, Madison, WI August 6-11, 2006.

Carvan III, M, Rise, M, Dellinger, M, Dellinger, J, and WEBER, D: Developmental methylmercury exposure in zebrafish and the potential influences of maternal diet on early lifestage toxicity. Annual Meeting Society of Toxicology, Charlotte, NC, March, 2007.

WEBER, DN, Bromberg, M, Hewitt, J, Petering, L, and Petering, D: Developing Environmental Health Science Modules for Middle Schools. Midwest Regional Chapter of the Society of Toxicology, Chicago, IL, May 18, 2007.

Corsi, SR, Klaper, R, WEBER, DN, and Bannerman, R: In-situ fathead minnow spawning as an indicator of anthropogenic influence on stream quality. North American Society of Toxicology and Chemistry Annual Meeting, Milwaukee, WI Nov. 11-15, 2007.

Smith, L, Carvan III, MJ, White, DC, Williams, FE, and WEBER, DN: Learning deficits and telencephalon abnormalities due to developmental exposure of methylmercury to zebrafish is not decreased by co-exposure to selenomethionine. North American Society of Toxicology and Chemistry Annual Meeting, Milwaukee, WI Nov. 11-15, 2007.

WEBER, DN, Connaughton, VP, Dellinger, JA, Klemer, D, Udvadia, A, and Carvan III, MJ: Selenomethionine reduces visual deficits due to developmental methylmercury exposures. North American Society of Toxicology and Chemistry Annual Meeting, Milwaukee, WI Nov. 11-15, 2007.

Carvan, MJ, Rise, ML, Liu, Q, Gerstenberger, SL, WEBER, D: Developmental effects from maternal dietary methylmercury: could dietary supplements help? 4th Aquatic Animal Models of Human Disease Conference, Durham, NC, Jan. 31 - Feb 3, 2008

Corsi, SR, Klaper, R, WEBER, D, Bannerman, R: Stream quality assessment using real-time bioassays, chemistry, and molecular markers over a rural to urban land-use gradient. 8th International Congress on the Biology of Fish, Portland, OR, July 26-31, 2008.

WEBER, DN, Bromberg, M, Hewitt, JB, Petering, L, Petering, DH: Enhancing Middle School Ecosystem Health Education through Hands-On Experiences. Annual Meeting of the Ecological Society of America, Milwaukee, WI, Aug. 3-8, 2008.

Hewitt, JB, Pasha, DL, WEBER, DN, Boulanger, ME, Backus, A, Petering, DH: Public Health Nursing Practice: Finding Evidence to Apply to Environmental Health Issues. 136th American Public Health Association Annual Meeting and Exposition, San Diego, CA, Oct. 25-29, 2008.

Xu, X, Lamb, C, Schaefer, LA, and WEBER, D: The neurobehavioral effects of embryonic mercury exposure and adult mercury exposure in zebrafish (*Danio rerio*). 9th International Conference on Mercury as a Global Pollutant, Guiyang, China, June 7-12, 2009.

Hewitt, JB, Valerius, JA, Stetzer, FC, WEBER, DN, Petering, DH: Effect of Drinking Water Source on the Risk of Lead Poisoning in Children using NHANES Data. Am. Public Health Assoc. Meeting, Philadelphia, PA, Nov. 7-11, 2009.