
Biographical Sketch

Name Suzanne B. McMaster

Position Title Environmental Health Scientist, EBB/HSD

EDUCATION/TRAINING

Institution and Location	Degree	Year	Field of Study
University of Texas	BS	1979	Psychology
University of Texas	MA	1981	Experimental Psychology
University of Oklahoma	PhD	1984	Biological Psychology

PROFESSIONAL EXPERIENCE

Presently Environmental Health Scientist, US EPA, NHEERL, Research Triangle Park, NC
Presently Adjunct Assistant Professor, Duke University, Nicholas School of the Environment and Earth Sciences
1995-2001 Assistant Laboratory Director for Pesticides and Toxics, US EPA, NHEERL, Research Triangle Park, NC
1993-1995 Associate Laboratory Director for Pesticides and Toxics, US EPA, HERL, Research Triangle Park, NC
1991-1993 Special Assistant to the Deputy Assistant Administrator, US EPA, Office of Pesticides and Toxic Substances, Washington, DC
1990-1991 Regulatory Coordination Staff, US EPA, Office of Pesticides and Toxic Substances, Washington, DC
1989-1990 Neurotoxicologist, US EPA, Office of Toxic Substances, Washington, DC
1984-1989 Research Psychologist, US Army Medical Research Institute of Chemical Defense, Aberdeen Proving Ground, MD
1984 Post Doctoral Fellow, Department of Pharmacology, University of Oklahoma College of Medicine, Oklahoma City, OK

PROFESSIONAL SOCIETIES

American College of Toxicology; Councilor 2000-2002, Secretary 2002-2005
American Psychological Association
NC Society of Toxicology

SELECTED AWARDS AND HONORS

2004 US EPA, Science and Technology Achievement Award
2003 US EPA, Susan E. Olive EEO Award
2000 US EPA, Silver Medal
1998 US EPA, Bronze Medal
1995 US EPA, Bronze Medal
1992 US EPA, Bronze Medal
1991 US EPA, Bronze Medal
1989 US Army, Commander's Award for Civilian Service

SELECTED COMMITTEES AND CONSULTANT APPOINTMENTS

2002 - 2004 Association for Assessment and Accreditation of Laboratory Animal Care International, Board of Trustees
1995- 1999 International Joint Commission Great Lakes Science Advisory Board
1996- 1997 The Institute of Wildlife and Environmental Toxicology, Clemson University, Advisory Board
1992- 1996 Section Editor, Neurotoxicology Section, Journal of the American College of Toxicology

SELECTED INVITED LECTURES, SYMPOSIA, WORKGROUPS

Interagency Coordinating Committee on the Validation of Alternative Methods, 2000-present.

International Joint Commission Great Lakes Science Advisory Board Workgroup on

Ecosystem Health, US co-Chair, 1997-1999.

Endocrine Disruptors Screening and Testing Advisory Board, 1997-1998.

Office of Research and Development Children's Health Research Strategy Workgroup, 1998-2000.

Federal Coordinating Council for Science, Engineering and Technology (FCCSET) Working Party on Neurotoxicity, 1991-1993.

Visiting Instructor, Human Health and Ecological Risk Assessment, Duke University, Nicholas School of the Environment, 2000-2002.

Invited Lecture, Risk Assessment and Risk Management, University of North Carolina Department of Epidemiology, 2001, 2002, 2003.

Invited Lecture, Environmental Pollution and Behavioral Health: Developmental Effects - Animal Studies University of North Carolina Department of Psychology, 2002

Invited Lecture, Risk Management and Policy, North Carolina State University, Department of Toxicology, 2001.

SELECTED PUBLICATIONS

McMaster, S.B. and K.C. Donnelly, Behavioral Assessment of Infants and Toddlers in a US-Mexico Border Community, in preparation.

Henn, B.C., S. Padilla and **S.B. McMaster**, Measuring Cholinesterase in Human Saliva, in preparation.

Sharbaugh, C., Viet, S.M., Fraser, A., **S.B. McMaster**. Comparable Measures of Cognitive Function in Human Infants and Laboratory Animals to Identify Environmental Health Risks to Children. *Environmental Health Perspectives*, 111 (13), 2003.

DeVito, M., L. Biegel, A. Brouwer, F. Brucker-Davis, A. O. Cheek, R. Christensen, T. Colborn, P. Cooke, J. Crissman, K. Crofton, D. Doerge, E. Gray, P. Hauser, P. Hurley, M. Kohn, J. Lazar, **S. McMaster**, M. McClain, E. McConnell, C. Meier, R. Miller, J. Tiege and R. Tyle. Screening Methods for Thyroid Hormone Disruptors. *Environmental Health Perspectives*, 107 (5), 1999.

Bowerman, W.W., J. Carey, D. Carpenter, T. Colborn, C. DeRosa, M. Forunier, G.A. Fox, B.L. Gibson, M. Gilbertson, D. Henshel, **S. McMaster**, R. Upshur. Is it time for a Great Lakes Ecosystem Management Agreement separate from the Great Lakes Water Quality Agreement? *Journal of Great Lakes Research*, 25 (2), 1999.

Ankley, G., E. Mihaich, R. Stahl, D. Tillitt, T. Colborn, **S. McMaster**, R. Miller, ...and T. Zacharewski, Overview of a Workshop on Screening Methods for Detecting Potential (Anti-)Estrogenic/Androgenic Chemicals in Wildlife. *Environmental Toxicology and Chemistry*, 17 (1), pp. 68-87, 1998.

Gray, L.E., W.R. Kelce, T. Wiese, R. TylR. Miller, **S. McMaster**, and T. Colborn. Endocrine Screening Methods Workshop Report: Detection of Estrogenic and Androgenic Hormonal and Antihormonal Activity for Chemicals that Act Via Receptor or Steroidogenic Enzyme Mechanisms, *Reproductive Toxicology*, 11 (5), pp719-750, 1997.

Tarone, R.E., M.C.R. Alavanja, S.H. Zahm, J.H. Lubin, D.P. Sandler, **S.B. McMaster**, A. Blair. The Agricultural Health Study: Factors affecting completion and return of self-administered questionnaires in a large prospective cohort study. *The American Journal of Industrial Medicine*, 1997.

Alavanja, M.C.R., D.P. Sandler, **S.B. McMaster**, S.H. Zahm, C.J. McDonnell, C.F. Lynch, M. Pennybacker, N. Rothman, M. Dosemeci, A.E. Bond, A. Blair. The Agricultural Health Study. *Environmental Health Perspectives*, 104 (4), pp. 362-369, 1996.

Alavanja, M.C.R., G. Akland, D. Baird, A. Blair, A. Bond, M. Dosemeci, F. Kamel, R. Lewis, J. Lubin, C. Lynch, **S.B. McMaster**, M. Moore, M. Pennybacker, L. Ritz, N. Rothman, A. Rowland, D.P. Sandler, R. Sinha, C. Swanson, R. Tarone, C. Weinberg, S.H. Zahm. Cancer and noncancer risk to women in agriculture and pest control: the Agricultural Health Study. *Journal of Occupational Medicine*, vol.36, pp1247-1249, 1994.

McMaster, S.B. Developmental toxicity, reproductive toxicity and neurotoxicity as regulatory endpoints. *Toxicology Letters*, 68, pp.225-230, 1993.

Castro, C.A., Larson, T., Finger, A.V., Solana, R.P. and **McMaster, S.B.** Behavioral efficacy of Diazepam against nerve agent exposure in rhesus monkeys. *Pharmacology, Biochemistry and Behavior*, 41, pp. 159-164, 1992.

McMaster, S.B. and A.V. Finger. Effects of exercise on behavioral sensitivity to carbamate cholinesterase inhibitors. *Pharmacology, Biochemistry and Behavior*, 33, pp. 811-813, 1989.

McMaster, S.B. and J.M. Carney. Chronic exercise produces tolerance to muscarinic antagonists in rats. *Pharmacology, Biochemistry and Behavior*, 24, pp. 865-868, 1986.

McMaster, S.B. and J.M. Carney. Exercise-induced changes in schedule-controlled behavior. *Physiology and Behavior*, 35(3), pp. 337-341, 1985. **McMaster, S.B.** and J.M. Carney. Changes in drug sensitivity following

acute and chronic exercise.

Pharmacology, Biochemistry and Behavior, 23(2), pp. 191-194, 1985.

Moss, D.E., L.A. Rodriguez and **S.B. McMaster**. Comparative behavioral effects of CNS cholinesterase inhibitors.

Pharmacology, Biochemistry and Behavior, 22(3), pp. 479-482, 1985.

Carney, J.M., T.W. Seale, L. Logan and **S.B. McMaster**. Sensitivity of inbred mice to methylxanthines is not determined by plasma xanthine concentrations. Neuroscience Letters, 56, pp. 27-31, 1985.

Moss, D.E., G.F. Koob, **S.B. McMaster** and D.S. Janowsky. Comparative effects of tetrahydrocannabinol on psychostimulant-induced behaviors. Pharmacology, Biochemistry and Behavior, 21, pp. 641-644, 1984.

Moss, D.E., **S.B. McMaster** and J. Rogers. Tetrahydrocannabinol potentiates reserpine-induced hypokinesias. Pharmacology, Biochemistry and Behavior, 15, pp. 779-783, 1982.

Moss, D.E., **S.B. McMaster**, E. Castenada and R.L. Johnson. An automated method for studying stereotyped gnawing. Psychopharmacology, 69, pp. 267-269, 1980.