

# Robert G. Ellis-Hutchings

## Education

- B.S., University of Wisconsin-Stevens Point, WI; Biology, Wildlife Management, 2001.
- Ph.D., University of California-Davis, CA; Pharmacology and Toxicology, 2006.

## Professional Experience

- 2006-Present: Postdoctoral Trainee, Developmental Biology Branch, Reproductive Toxicology Division, National Health and Environmental Effects Research Laboratory, EPA.
- 2001-2006: Doctoral Research, Departments of Nutrition and Environmental Toxicology, University of California-Davis.
- 2002-2006: Teaching Assistant in Experimental Nutrition, Department of Nutrition, University of California-Davis.
- 2003: Teaching Assistant-Pharmacology and Toxicology Graduate Group, University of California-Davis.
- 1999-2001: Biologist, Developmental and Reproductive Toxicology, Merck Pharmaceutical Company.
- 1998-1999: Biologist, Chronic and Subacute Toxicology, Merck Pharmaceutical Company.
- 1997: Society of Toxicology Research Internship in Reproductive and Developmental Toxicology, SmithKline Beecham Pharmaceuticals.
- 1997: Independent Study, Department of Aquatic Toxicology, UW-Stevens Point.

## Professional Societies

- Society of Toxicology, member since 2003
  - Developmental and Reproductive Toxicology Session Co-Chair-2008 Annual Meeting
- Teratology Society-Member since 2002
  - Membership Planning Committee (Ad-Hoc), 2007-2008
  - Strategic Planning Committee Member, 2007
  - Education Committee Student Ad-Hoc Member, 2005-2007
- International Society for Development Origins of Health and Disease, member since 2006

## Selected Awards and Honors

- Member, Society of Women Environmental Professionals. 2006.
- EPA Special Accomplishment Recognition Award, 2007

- Marie Taubeneck Scholarship and Service Award-46th Annual Teratology Society Meeting, 2006
- Outstanding Poster Presentation-Risk Assessment Specialty Section-45th Annual SOT Meeting, 2006
- Phi Sigma Biological Sciences Honor Society Membership Awarded-Gamma Delta Chapter, 2006
- Marie Weldon Taubeneck Predoctoral Travel Award, 2004, 2005
- Best Student Poster Presentation-6th Annual UC-Davis CEHS Summer Conference, 2004
- James Bradford Memorial Student Poster Award-44th Annual Teratology Society Meeting, 2004
- Young Investigator Travel Award-43rd, 44th Annual Teratology Society Meeting, 2003, 2004

### **Invited Lectures / Symposia**

- Guest lecture-New Year Tech, Durham, NC 7/2007. "Strain sensitivity to adverse health outcomes in adult offspring of Sprague Dawley and Wistar Rats Undernourished In Utero."
- Guest Lecture-Toxicology 123, University of North Carolina-Chapel Hill, Chapel Hill, NC 3/2007, "Developmental Origins of Health and Disease."
- Guest Lecture-Course in Nutrition During Pregnancy (a Component of the Masters of Advanced Study in Maternal and Child Nutrition), University of California-Davis, Davis, CA 8/2006, "Micronutrients and prenatal development."

### **Assistance/Leadership Provided to the Scientific Community**

- Aquatic Toxicology-Guest reviewer, 2006
- Student Representative to the Committee on Admissions, Pharmacology and Toxicology Graduate Group, 2003
- Vice President, SETAC-Student Chapter, UW-Stevens Point, 1997

### **Assistance/Leadership Provided to the Agency**

- Cross Divisional Research Planning- Significantly contributed to the design and project resource planning for a gestational toluene inhalation study. Study projected to begin in April 2008. Design and planning since November 2007.

### **Current Research Interest**

Elucidating the degree in which *in utero* exposure to diverse environmental chemicals and nutritional deficiencies adversely affects the adult health of the offspring.

### **Selected Publications**

Ellis-Hutchings, R.G., G.N. Cherr, L.A. Hanna and C.L. Keen (2006) Polybrominated Diphenyl Ether (PBDE)-Induced Alterations in Vitamin A and Thyroid Hormone

Concentrations in the Rat during Lactation and Early Postnatal Development. Toxicology and Applied Pharmacology 215(2), 135-145.

## Abstracts

Ellis-Hutchings, RG1, Grey BE1, Norwood, Jr., J1, Richards, JH2, Lau, C1, and Rogers, JM1. 1Reproductive Toxicology Division, 2Experimental Toxicology Division, NHEERL, ORD, US EPA, Research Triangle Park, NC (2007). Strain Sensitivity to Adverse Health Outcomes in Adult Offspring of Sprague Dawley and Wistar Rats Undernourished In Utero. 5th International Congress on Developmental Origins of Health and Disease.

Ellis-Hutchings, RG1, Grey BE1, Norwood, Jr., J1, Richards, JH2, Lau, C1, and Rogers, JM1. 1Reproductive Toxicology Division, 2Experimental Toxicology Division, NHEERL, ORD, US EPA, Research Triangle Park, NC (2007). Comparative Susceptibility of Sprague Dawley and Wistar Rats To Adverse Health Outcomes in Adult Offspring of Rats Undernourished In Utero. 47th Annual Meeting of the Teratology Society.

Hanna, LA, Clegg, MS, Ellis-Hutchings, RG, Niles, BJ, Keen, CL (2007). Zinc deficiency induced disruption in the fetal and maternal rat insulin-like growth factor axis. FASEB JOURNAL 21 (5): A719-A719 APR 2007.

Ellis-Hutchings, R.G., Cherr, GN, Keen, CL (2006). Assessment of Prenatal Development in PBDE Exposed Rats Sufficient or Marginal in Vitamin A. 45th Annual Meeting of the Society of Toxicology. Abstract #934.

Ellis-Hutchings, R.G., Hanna, LA, Cherr, GN, Keen, CL (2005). Polybrominated Diphenyl Ether (PBDE) Exposure During Gestation in Rats Results in Disruption of Thyroid and Retinoid Homeostasis Under Suboptimal Vitamin A Conditions. Birth Defects Research A: Clinical and Molecular Teratology 73(5).

Hanna, LA, Ellis-Hutchings, RG, Clegg, MS, Keen, CL (2004). Gestational zinc (Zn) deficiency alters the time course of maternal insulin-like growth factor binding protein activity in rats. Birth Defects Research Part A: Clinical and Molecular Teratology 70, 301.