

ERIC P. HOOKER

EDUCATION

2000 M.S., Pharmacology and Toxicology, Virginia Commonwealth University

1993 B.S., Psychology (emphasis in Neuroscience), Old Dominion University

CERTIFICATION

2009 Diplomate of the American Board of Toxicology, Inc.

PROFESSIONAL PROFILE

Mr. Eric Hooker is a board-certified Toxicologist with Tetra Tech Sciences with specialized experience writing chemical safety assessments. He is a graduate-educated professional in preclinical pharmaceutical development with experience in coordinating small animal toxicology, teratology, and toxicokinetic studies.

EMPLOYMENT HISTORY

2008–present Tetra Tech Sciences., Arlington, VA, Senior Associate Toxicologist

- Performs literature reviews and writes toxicity profiles for various classes of chemicals. Reviews include pharmacokinetics, pharmacodynamics, local and systemic toxicity, mutagenicity, carcinogenicity, teratogenicity, reproductive toxicity, irritation, allergenicity, epidemiology, and clinical case studies.
- Performs study monitoring of nonclinical toxicity and metabolism studies, including identification of appropriate contract research organizations, working with study directors on protocol development, monitoring studies in progress, and providing input on final reports.

2004-2008 Covance Laboratories, Vienna VA, Associate Toxicologist

- Responsible for providing administrative and scientific support to study directors.
- Duties included writing protocols and amendments ensuring compliance with appropriate SOPs, GLPs, and regulatory agency guidelines; scheduling studies; communicating protocol revisions to laboratory staff and contributing scientists; submitting IACUC applications and revisions; monitoring dose formulations, in-life, and post-life portions of the studies; conducting literature searches; providing technical/scientific guidance and leadership to ensure accurate project completion; meeting with clients to discuss study progress; participating in study meetings; preparing progress reports; coordinating the collection of contributor reports; writing report procedures and in-life summaries; responding to quality assurance audits; and reviewing results and conclusions in the final reports.
- Experience with the following categories of studies.

Species

- Rat
- Mouse (wild type)
- Mouse (p53 knockout)
- Rabbit
- Guinea Pig
- Canine

Routes of Administration

- Oral gavage
- Oral capsule
- Dermal topical application
- Ocular Instillation
- Subcutaneous bolus injection
- Intravenous injection
- Intravenous infusion
- Uterine implantation

Study Designs

- Acute
- Dose range-finding
- Subchronic
- Chronic/Carcinogenicity
- Reproductive (Seg I)
- Developmental (Seg II)
- Toxicokinetics

Tetra Tech Sciences.

ERIC P. HOOKER (CONT.)

2000-2004

Cosmetic Ingredient Review (CIR), Washington, DC, Scientific Analyst & Writer

- Performed literature reviews and wrote chemical toxicity profiles for the safety assessment of cosmetic ingredients. Reviews included basic chemistry, chemical interactions, biological interactions, pharmacokinetics, pharmacodynamics, local and systemic toxicity, mutagenicity, carcinogenicity, teratogenicity, reproductive toxicity, immunomodulation, contact irritations, and clinical case studies.
- The position required extensive literature searches to identify published and unpublished toxicity and exposure data, critical scientific judgment to determine the appropriateness of each study reviewed, communication with scientists and clinicians, and management of several projects concurrently.
- All CIR safety assessments are peer reviewed and published in the *International Journal of Toxicology*.
- Additional duties included attendance at scientific meetings and training new staff in principles of toxicology.

1999-2000

Department of Pharmacology and Toxicology, Virginia Commonwealth University, Laboratory Specialist

- Responsible for various research duties in a developmental neuropharmacology laboratory, including small animal techniques, primary cell culture, surgical procedures, handling hazardous and controlled substances, and GC MS chemical analysis.
- Other duties included statistical data analysis and ordering supplies.

1996-1997

Genetic Toxicology, Covance Laboratories, Vienna, Virginia, Study Technician III

- Performed all steps of Ames bacterial mutagenicity assays.

1995-1997

Developmental and Reproductive Toxicity/Teratology, Corning Hazelton, Vienna, Virginia

- Responsible for study management of complex in vivo reproductive and developmental toxicology protocols using rodent and rabbits.
- Additional duties included necropsy procedures and training of new personnel.

1994-1995

Mammalian Toxicology, Corning Hazleton, Vienna, Virginia, Study Technician I II

- Performed basic animal care with dosing and data collection procedures in toxicity studies in rodents and rabbits.
- Expanded responsibilities included study management and surgical procedures.

PEER-REVIEWED PUBLICATIONS

Hooker EP. Writing for Cosmetic Ingredient Review. Final report on the safety assessment of triethylene glycol and PEG 4. *International Journal of Toxicology* 25 (Suppl 2): 121-138, 2006.

Hooker EP. Writing for Cosmetic Ingredient Review. Final report on the safety assessment of benzaldehyde. *International Journal of Toxicology* 25 (Suppl 1): 11-27, 2006.

Hooker EP. Writing for Cosmetic Ingredient Review. Re-review of the safety of dibutylphthalate, diethylphthalate, and dimethylphthalate, *International Journal of Toxicology*, 24(1): 34-42, 2005.

Hooker EP. Writing for Cosmetic Ingredient Review. Final report of the amended safety assessment of dioscorea villosa (wild yam) root extract, *International Journal of Toxicology*, 23(2): 49-54, 2004.

ERIC P. HOOKER (CONT.)

Coleman CN, Mason T, Hooker EP, and Robinson SE. Developmental effects of intermittent prenatal exposure to 1,1,1 trichloroethane in the rat, *Neurotoxicology and Teratology*, 21(6): 699-708, 1999.

Duncan PM and Hooker EP. The role of sympathetic arousal in discrimination of insulin produced hypoglycemia. *Behavioral Pharmacology*, 8: 389-395, 1997.

MEETING PRESENTATIONS

Duncan PM and Hooker EP. The effect of insulin induced hypoglycemia on spontaneous motor activity in rats. Presented at the 23rd Annual Meeting of the Society for Neuroscience in Washington, DC, November 1993.

Hooker, EP, Rzigalinski, BA and Robinson SE. Effect of solvent exposure on NMDA-induced increases in intracellular calcium in cultured rat cerebellar granule cells, *Society for Neuroscience Abstracts*. 26: 1041, 2000. This abstract earned the Student Travel Award from the Central Virginia Chapter of the Society for Neuroscience to present the abstract at the 30th Annual Meeting of the Society for Neuroscience in New Orleans, Louisiana, in November 2000.

Robinson SE, Hooker EP, and Rzigalinski BA. Solvent exposure affects NMDA-induced increases in intracellular free calcium (Ca^{2+})_i in cultured rat cerebellar granule cells. *Neurotoxicol. Teratology*. 23(3): 297. Presented in a platform discussion session at the 25th Annual Meeting of the Neurobehavioral Teratology Society in Montreal, Quebec, 2001.

PROFESSIONAL AFFILIATIONS

Full Member, Society of Toxicology

Regular Member, Teratology Society

Regular Member, American College of Toxicology

Regular Member, Mid-Atlantic Reproduction and Teratology Association

Affiliate Member, Society of Quality Assurance