

MARTIN S. HOAGLAND

mhoagland@srconsultants.com

Scientific & Regulatory Consultants, Inc. provides a full range of regulatory services for the antimicrobial industry. Our consultants' insight provides scientifically-sound, cost-effective, and timely solutions to routine and complex issues facing our clients. Our collective knowledge base includes experience in industry, laboratories and with government entities. For more information about Scientific & Regulatory Consultants, Inc. visit our website at www.srconsultants.com

PROFESSIONAL EXPERIENCE

Scientific & Regulatory Consultants, Inc., Columbia City, IN 2020 - Present

Principal Regulatory Consultant

- Specializing in scientific and regulatory consulting services for food and feed additive/food contact, conventional pesticide and biopesticide FIFRA-regulated products from inception to commercialization
- Toxicology testing strategy, placement, and management
- Monitoring regulatory changes and inspection trends
- Competitive surveillance
- FDA and EPA submission strategy
- Audit product labels prior to federal and state submission

Central Garden & Pet Company, Schaumburg, IL 2017 - 2020

Senior Regulatory Manager

- Regulatory Manager for professional agriculture and pest control products
- Developed federal and state registration regulatory strategy for novel pest control products
- EPA registration and label management of conventional and biopesticide products
- International Product Submissions to Codex Alimentarius and individual foreign agencies
- Maintained and updated EPA product labels and federal compliance
- Developed presentation materials for internal marketing/sales clients

NALCO Water, an Ecolab Company, Naperville, IL 2015 – 2017

Principal Regulatory Specialist II

- Primary point of contact regarding FDA compliance for novel and expanded use of NALCO products
- Global product innovation and registration
- Conduct risk assessment of primarily paper-based food contact substances and indirect human food and animal feed additives for Generally Recognized As Safe (GRAS) review.
- Business consultant on the Food Safety Modernization Act (FSMA).
- Conducted toxicology training of regulatory staff
- Strong collaboration with Regulatory Affairs, Product Research & Development (Chemistry), and Sales & Marketing for base business support and new product development

Toxicologist

- Conducted premarket safety reviews of human exposures to novel proposed food contact substances
- Special projects included dietary risk assessment of cumulative human exposure of specific food contact materials identified in hazard reviews
- 120-day detail with Senior Science Advisory Staff. Assisted Agency efforts with international food safety agencies and Centers for Excellence and coordinated the internal peer review process for scientist promotion.

EDUCATION

B.S. in Biochemistry, School of Agriculture, Purdue University, West Lafayette, IN; 1997

Ph.D. Molecular & Biomedical Pharmacology, College of Medicine, University of Kentucky,
Lexington, KY; 2005

NIEHS Interdisciplinary Environmental Toxicology Training Grant Postdoctoral Fellowship,
Department of Food Science & Human Nutrition, University of Illinois at Urbana-Champaign, IL; 2008

PROFESSIONAL AFFILIATIONS & CERTIFICATIONS

Society of Toxicology (SOT)

CORPORATE PROFESSIONAL AFFILIATIONS

British Association of Chemical Specialties (BACS)
Center for Biocide Chemistries (CBC)
Household & Commercial Products Association (HCPA)
International Sanitary Supply Association (ISSA)
Personal Care Products Council (PCPC)

PROFESSIONAL DEVELOPMENT

U.S. Federal Drug Administration Center for Food Safety and Applied Nutrition (CFSAN)

Food and Nutrition Webinar, Presentation on Food Container and Food Irradiation Safety; 2012
FDA Foods Science and Research Conference, Presentation of Human Dietary Risk Assessment
for Food Contact Material; 2011
Polymer Chemistry course, CFSAN Staff College; 2009
Food and Drug Law course; CFSAN Staff College, 2009

U.S. Environmental Protection Agency (EPA)

Benchmark Dose Training; 2009

American Association for Cancer Research

Models of Cancer and Breast Cancer Biology Continuing Education Short Course; 2004

California Specialty Crops Council

International Maximum Residue Level (MRL) Harmonization Workshop; 2020-2021

Colorado State University

Physiologically-based Pharmacokinetic (PBPK) Modelling for Beginners; 2010

CroLife America and RISE (Responsible Industry for a Sound Environment)

Industry and Regulatory Developments Conference; 2018

Food Safety Preventive Controls Alliance

Foreign Supplier Verification Program; 2016

Grocers Manufacturer Association (GMA)

Developing Effective Supplier Verification Programs Workshop; 2016

Hamner Institute

PBPK Modeling in Drug Development and Evaluation Workshop; 2009

Household & Commercial Products Association (HCPA)

US Pesticide Registration Workshop; 2019

NALCO, An Ecolab Company

Basics of Toxicology and Food Ingredient Safety Evaluation; 2017

National Cancer Institute

Human Subject Protection On-line Training; 2007

National Center for Food Safety and Technology (NCFST)

New Technologies Conference; 2016

National Pest Management Association (NPMA)

New Product Developments and Field Application Methods, PestWorld; 2018

Society of Toxicology (SOT)

FutureTox: Building the Road for 21st Century Toxicology and Risk Assessment Practices, CCT Workshop; 2012

Pathology Short Course; 2009

SOT ELSI Developmental Toxicology Short Course; 2009

Toastmasters International

Advanced Communicator and Advanced Leadership Programs; 2014

Toxicology Excellence for Risk Assessment (TERA)

Dose Response Risk Assessment Boot Camp; 2010

Toxicology Forum

Emerging Technologies and Trends in Food Toxicology; 2016, 2015, 2014, 2013, 2012

University of Illinois at Urbana-Champaign

Basic Toxicology; 2007

7th Biennial Industrial Toxicology & Pathology Short Course; 2007

Ethics in Scientific Research; 2006

University of Kentucky

Radiation & Hazard Chemical Safety Training; 2004, 2003, 2002, 2001, 2000, 1999, 1998

PUBLICATIONS & PRESENTATIONS

PUBLICATIONS

Hoagland, M., Sande, K., Behling, A., and N. Pechacek. "Safety Evaluation of Chemistries used in the Food and Beverage Processing and Packaging Industries." Food Toxicology: Current Advances and Future Challenges, Sachan, A., and S. Hendrich, Ed.s 2017

Helferich, W.G., Andrade, J.E., and **M.S. Hoagland** (2008) "Phytoestrogens and Breast Cancer: A Complex Story." Inflammopharmacology, Proceedings of the 2008 International Food Symposium Symposium "Health Benefits of Plant Polyphenols" at The Hong Kong Polytechnic University.

Wu, R., Zhang, L., **Hoagland, M.S.**, and H.I. Swanson (2007) "Lack of the AhR leads to impaired activation of EGFR/AKT/PKB and enhanced sensitivity to UV-induced apoptosis." Journal of Pharmacology and Experimental Therapeutics, 320:448-457.

Putt, K.S., Chen, G.W., Pearson, J.M., Sandhorst, J.S., **Hoagland, M.S.**, Kwon, J., Hwang, S., Jin, H., Churchwell, M.I., Cho, M., Doerge, D.R., Helferich, W.G., and P.J. Hergenrother (2006) "Small molecule activation of procaspase-3 to caspase-3 as a personalized anticancer strategy." Nature Chemical Biology, 2:543-550.

Hoagland, M.S., Hoagland, E.M., and H.I. Swanson (2005) "Pifithrin-alpha, a chemical inhibitor of p53, is a potent AhR ligand." Journal of Pharmacology and Experimental Therapeutics, 314:603-10.

Swanson, H.I., Kraner, S.D., Ray, S.S., **Hoagland, M.**, Thompson, E.D., Zheng, X. and Y. Tian. "Experimental approaches for the study of cytochrome P450 gene regulation." In Drug Metabolism and Transport: Molecular Methods and Mechanisms, L. Lash, Eds. Humana Press, September 2004.