**Abstract Submission NHAND 2013**

1. **Speaker Information**
   1. Contact Information

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* 1. License: VT# 099-0000156; expiration 09/30/2012 with pending renewal to expire 9/30/14- see scanned copy.
  2. Short Bio- Dr. Lang currently works at the Cancer Treatment Centers of America (CTCA) hospital in Philadelphia, PA as a naturopathic oncology consultant. Dr. Lang received her Naturopathic doctorate from National College of Natural Medicine in 2003 and is board certified in naturopathic oncology. She is licensed as Naturopathic physician in the state of Vermont. She is currently pursuing her Masters of Public Health (MPH) degree at Johns Hopkins Bloomberg School of Public Health, focusing on epidemiology and environmental health; expected graduation May 2013.

Prior to working at CTCA, Dr. Lang practiced as a primary care physician in Brattleboro, Vermont for over five years. She was the owner and sole naturopathic physician at The Healing Way clinic before incorporating her practice with Biologic Integrative Healthcare and becoming a staff naturopath for her final year in Brattleboro.

* 1. Photo:



1. **Length of time requested for presentation - 60 minutes**
2. **Presentation Abstract**
   1. *Title:* Health Impacts of Prenatal/Infant pesticide exposure
   2. *Short Description*: The presentation will present results of epidemiological data illustrating correlation between prenatal/infant pesticide exposure and negative health outcomes through adolescence. In addition, routes and sources of exposure will be reviewed. Finally, a brief discussion on mitigating pesticide exposure prenatally and in young children will be presented.
   3. *Outline:* 
      1. Introduction
         1. Population of interest
         2. Data source/type
      2. Types of Environmental Exposure
         1. Inhalation
         2. Ingestion
         3. Contact
      3. Sources of Exposure
         1. Residential
         2. Agricultural
      4. Health Outcomes
         1. Cancer
         2. Neurological
            1. Behavioral
            2. Cognitive
         3. Respiratory
         4. Endocrine effects
      5. Preventative measures to mitigate exposure
         1. Timing of exposure
         2. Home pest management
         3. Dietary source mitigation
         4. Reduction of drift/take-home
   4. Learning Objectives
      1. Brief description of epidemiological data, strength of causation/association
      2. Routes of pesticide exposure in children/prenatally
      3. Primary health impacts of pesticide exposure in this population
      4. Preventative measures to reduce impact
3. **The speaker reports no conflict of interests**