

POST-DOCTORAL POSITIONS

Alternative Animal Models for In Vitro Toxicity Studies

Opportunities are available at The Center for Chemical Toxicology Research and Pharmacokinetics (CCTRP) at North Carolina State University (<http://cctrp.ncsu.edu>). Studies will involve developing in vitro models to assess safety for food ingredients. This research will isolate and establish canine cell lines for intestine, kidney and liver. In addition, cell lines for rodents and humans will be used to compare to existing human data. These different in vitro model systems will be used to assess toxicity of novel raw materials and ingredients and to provide an *in vitro* approach for hazard identification.

We are seeking two individuals with a Ph.D. in a relevant discipline and with expertise & experience with cell culture is essential. Additional experience in the following areas are encouraged to apply: organ cultures, epithelial biology and mechanism of toxicity, cell biology, cellular interactions, and transmission electron microscopy. The incumbents will work independently on projects pertinent to this research focus. Technical approaches include studying the effects of cell death, DNA fragmentation, ROS, high throughput screening, mitochondrial membrane function as well as morphological analysis to assess mechanisms of toxicity. The individual must have publications that document proficiency in cell culture, in vitro toxicity assays, and cytokine analysis.

This position offers competitive salary and benefits. NCSU is located just minutes from Research Triangle Park, an internationally recognized center for biomedical research. Substantial collaborations between the CCTRP, neighboring Universities, national research laboratories, and major pharmaceutical companies are on going.

Technical questions may be directed to Dr. Nancy Monteiro-Riviere (Nancy_Monteiro@ncsu.edu). Applicants should provide the following: curriculum vitae, list of publications, along with three references and a concise statement of research accomplishments and future plans. Application review will begin on 06/20/2011. Position opened until filled. Please review link <http://cvm.ncsu.edu/hr/employment.html> for additional information and how to apply. Position number is 100621

In addition, NC State welcomes all persons without regard to sexual orientation. Individuals with disabilities desiring reasonable accommodations in the application process should call 919-515-3148.