Ph.D. position to develop portable sensors for food safety and animal health

The Nugen Research Group is looking to add a highly motivated Ph.D. student to the lab.

Students with an M.S. in Food Safety or Microbiology are strongly encouraged to apply. The student will be working on the development of portable, low-cost biosensors for pathogens in food and agriculture. Requirements for the position are listed below:

- Excellent writing and communication skills
- Molecular biology experience
- Ability to conduct independent research
- Genetic engineering and cloning experience preferred

The student will learn techniques in nanotechnology, nanofabrication and synthetic biology in order to design a new generation of bacteriophage-based nanosensors for use in food, agriculture and environmental analysis. The sensors are being designed for use in resource-limited-areas such as Sub-Saharan Africa, remote parts of Southeast Asia, and small farms.

Cornell University is home to both the Cornell Nanoscale Science & Technology Facility (CNF) and NanoBioTechnology Center (NBTC). The student will have access to these world class facilities in order to conduct their dissertation work.

Currently, Dr. Nugen is an Associate Professor at the University of Massachusetts and information on his program can be found at www.umass.edu/biosensors/. Professor Nugen and his research group will be relocating to Cornell University in the Summer of 2016. We will be located in Stocking Hall within the Food Science Department. The group has a previously established record of job placement and internships (WHO, FDA) for graduate students and provides an excellent learning environment for its members. The student will be expected to perform in a high-paced, creative, team-oriented research environment. If you feel you are a good fit for this position, please send your CV/resume as well as GRE and TOEFL (if necessary) scores to Professor Sam R. Nugen at srn6@cornell.edu