PhD graduate student position on structural emulsions for controlling lipid digestion and absorption:

Fully funded PhD positions are available at the Department of Food Science, in the oral delivery systems for controlling fate of nutrients and nutraceuticals lab, led by Dr. Alireza Abbaspourrad starting in the spring of 2016. The students will be working on a project to develop microfluidic techniques for the design and synthesis of structural emulsions; these emulsions will be utilized to encapsulate, protect and deliver lipids and lipophilic bioactives to different locations in the GI tract with tunable release profiles. Related publications on microfluidic encapsulation and triggered release systems can be found at https://scholar.google.com/citations?user=wJg1hOOkAAAAJ

The applicant must be self-motivated to pursue excellence in research and have basic knowledge of the chemistry of food ingredients. Candidates with a master’s degree or prior research experience in emulsions, cell culture, animal studies, analytical chemistry will be given priority.

The laboratory is located in Stocking Hall at the Ithaca campus. Cornell University has an exceptional environment for graduate students to start their professional careers, due to the many different state-of-the-art facilities across campus and a vibrant intellectual exchange among diverse scientific disciplines. The Food Science program at Cornell is considered among the best in the world, and the demographics of its student body are diverse.

Highly motivated and eligible applicants are encouraged to contact Dr. Abbaspourrad (Alireza@cornell.edu) to discuss applications procedures. Initial inquiries should include a complete CV and a one-page statement of purpose. English proficiency in writing and communication is a requirement.