



# POSITION ANNOUNCEMENT

## Ph.D. Student



**POSITION:** Ph.D. Student Assistantship

**LOCATION:** Department of Biological and Agricultural Engineering, Louisiana State University and the LSU AgCenter, Baton Rouge, LA

**DUTIES AND RESPONSIBILITIES:** The student will conduct full-time research (half-time while in classes) in the area of nanoencapsulation for improved delivery of bioactive components (i.e. vitamins, antioxidants, etc.). He/she will synthesize and characterize polymeric nanoparticles designed for improved bioavailability of the entrapped drug and will test the nanoparticles on cell and animal models. Responsibilities also include ordering materials and supplies, equipment maintenance, laboratory safety, assistance with undergraduate student research, and presentation/participation in professional meetings. Teaching responsibilities include assisting over a 2 semester period with teaching the laboratories of the BE 3340: Process Design in Biological Engineering.

**QUALIFICATIONS:** The applicant must have earned a B.S or M.S. in biological engineering, chemical engineering, chemistry, food science, or related field (realizing that disciplines outside of engineering may require additional background coursework). Laboratory experience is preferred.

**SALARY AND BENEFITS:** Commensurate with other PhDs in the program.

**FUNDING PERIOD:** 4 years

**DATE AVAILABLE:** January 1, 2010

**APPLICATION DEADLINE:** October 1, 2009 or until a qualified student is identified

**APPLICATION:** Complete application and submit it to the LSU Graduate School:  
<http://appl003.lsu.edu/grad/gradschool.nsf/index>.

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