**Title:** Undergraduate Student Researcher Positions in Systems Biology

**Description:** The Tissue and Metabolic Engineering Laboratory (http://engineering.tufts.edu/chbe/tme/) invites applications from undergraduate students interested in conducting paid research during 2015 – 2016 academic year. We currently have two open positions that are funded through a Research Experiences for Undergraduates (REU) Supplement of an NSF supported project on the gut microbiota. The project’s overall goal is to identify bioactive small molecules that are derived as a result of microbial metabolism in the mammalian digestive tract and can modulate inflammation in mammalian tissues. The student researchers are expected to participate in experimental or computational aspects of the project. The experiments will utilize mass spectrometry methods to broadly characterize the products of microbial metabolism in samples collected from murine intestine. The computational aspect of the project deals with developing models and software tools that use information from publicly available genome database to determine the biochemical pathways and microbial organisms responsible for the metabolic products observed through mass spectrometry. Applications will be accepted until the position is filled, with screening to begin immediately.

Applicants should send: a resume, a letter of recommendation, and a short personal statement describing their interest in research and their future career plans. Letter of recommendation and personal statement should be addressed to: Professor Kyongbum Lee, Department of Chemical and Biological Engineering, 4 Colby Street, Medford, MA 02155. Please send all application material electronically via email attachment: kyongbum.lee@tufts.edu.

Advisor: Kyongbum Lee  
Website: Tissue and Metabolic Engineering Laboratory (http://engineering.tufts.edu/chbe/tme/)  
Academic Year 2015-2016