**Post-Doctoral Positions Available**

We are currently seeking post-doctoral associates to work on a collaborative research project involving characterization, metabolic engineering and cultivation of a *Bacillus* species. The project involves faculty in Civil & Environmental Engineering (Prof. Janelle Thompson) and Chemical Engineering (Prof. Kristala Prather) and MIT, and Prof. Michael Timko at Worcester Polytechnic Institute. We are recruiting two candidates to work at MIT:

**Genome annotation and genome-wide analysis** – We aim to characterize the genome of a *Bacillus* strain used as a host for chemical bioproduction including identification of highly expressed promoters, annotation of transcription start sites, and identification of differentially expressed genes and pathways. An interested candidate in this area should have experience with interpreting RNA-seq datasets, genome annotation, and comparative genomics. Laboratory experience working with Gram-positive organisms, and generating next-generation sequencing datasets is strongly preferred.

**Metabolic engineering** – We aim to engineer a *Bacillus* sp for production of chemical compounds. An interested candidate in this area should have experience with genetic engineering of representative organisms, especially with insertion, selection, and characterization of expression of multiple genes, as well as with functional characterization of recombinant strains. Experience with analytical chemistry for small molecule quantitation (e.g., HPLC or GC) is preferred though not essential. Prior experience with Gram-positive organisms is required with direct experience with *Bacilli* strongly preferred.

Potential candidates should possess a doctoral degree in Microbiology, Chemical Engineering, Environmental Engineering, or a related field. Work with and assistance of junior researchers (graduate and/or undergraduate students) is expected.

Interested candidates should send a resume and list of three references to:

Prof. Kristala Prather (kljp@mit.edu) or
Prof. Janelle Thompson (jthompson@MIT.EDU)

*MIT is an Equal Opportunity / Affirmative Action employer.*