



**Department of
Microbiology**

Postdoctoral Scholar Position

Department of Microbiology and Pritzker School of Molecular Engineering – Dr. Mark Mimee Lab

Position available for a postdoctoral scholar in the laboratory of Dr. Mark Mimee. [The Mimee lab](#) primarily focuses on developing synthetic biology strategies to engineer the microbiome. By genetically manipulating commensal microbes, we seek to create living devices that can sense biochemical states in order to probe the structure and function of microbial communities. We are also programming novel functions in commensal microbes to remodel microbial communities and to act as therapeutics for inflammatory and infectious disease. For this position, the postdoctoral associate will devise and implement strategies that would allow a naïve bacterial population to probabilistically differentiate into distinct subpopulations in response to an environmental cue. The postdoctoral associate will interface with collaborators at Argonne National Laboratory to leverage an integrated cell-free expression system and artificial intelligence platform to inform the design and refinement of gene circuits.

Successful candidates should hold a PhD degree in Microbiology, Synthetic Biology, Biological Engineering, or similar fields. Prior expertise in genetic circuit design or bacterial genetics is preferred. Strong organizational and time management skills are expected, including the ability to prioritize, organize, and handle multiple assignments simultaneously. Interpersonal and communication skills are required to interact effectively, tactfully, and discreetly with all internal/external contacts and to develop effective working relationships. With the supervision of Dr. Mimee, applicants will be expected to design and complete experiments, record results, draft manuscripts and engage with collaborators.

Interested applicants should send a Cover Letter, CV, and phone numbers/emails of three references to Mark Mimee (mmimee@uchicago.edu). Compensation in the Biological Sciences Division follows the NIH NRSA Stipend scale. Additional information on benefits and being a postdoc in the University of Chicago Biological Sciences Division can be found at bsdpostdoc.uchicago.edu.

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