

IMMEDIATE POST-DOCTORAL FELLOW POSITION AT DANA FARBER
CANCER INSTITUTE AND HARVARD MEDICAL SCHOOL

Involving CD8 resident memory T cells (T_{RM}), TCR-pMHC single bond
lifetime and protective cellular immunity

We are searching for a post-doctoral fellow with expertise in mouse immunology and/or infectious disease that is highly motivated, of outstanding intellect and who can work autonomously as well as part of a multidisciplinary team. He/she shall work on a discovery that impacts T cell protective immunity based upon new understanding of physically defined T cell epitopes and force-dependent increases in TCR-pMHC bond lifetime associated with immune surveillance that appear to correlate with protective T cell immunity. By introducing TCRs of diverse specific bond lifetimes against a given influenza A virus epitope into animals prior to viral challenge, this hypothesis shall be tested.

The successful candidate should be well versed in molecular biology, cell separation and multicolor FACS analyses. This individual should have skills in molecular cloning, transcriptomes and murine infectious disease models. An investigator who is facile with mouse handling including analysis and maintenance of retrogenic/transgenic mice would be an important addition to this project. Our goals are to understand CTL function broadly, and to develop a universal T cell-based influenza A virus vaccine, more specifically. Funds are currently available to support this effort according to standard NIH payscale. There is opportunity for future academic growth predicated on performance.

Send resume and 2 letters of recommendation to:

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