

# POSTDOCTORAL POSITION AT THE EMORY VACCINE CENTER IN IMMUNOLOGY OF TUBERCULOSIS

**Laboratory of Jyothi Rengarajan, PhD**  
**Associate Professor**  
**Emory Vaccine Center and Division of Infectious Diseases**  
**Emory University School of Medicine**  
**Atlanta GA**

An NIH-funded position for an outstanding post-doctoral candidate is available immediately in the laboratory of Dr. Jyothi Rengarajan at the Emory Vaccine Center, Emory University School of Medicine in Atlanta, GA. Motivated individuals with backgrounds in immunology and experience working with mouse models and multi-parameter flow cytometry are encouraged to apply. Applicants should have obtained a PhD degree with the last 5 years and have strong speaking and writing skills. Experience with working in a BSL3 setting is preferred but not essential.

Research in our lab focuses on mechanisms of host immunity to tuberculosis in animal models and humans. Projects in the lab use immunological, microbiological, and global approaches to study innate and antigen-specific T cell responses to *Mycobacterium tuberculosis* infection. We also conduct human cohort studies aimed at understanding correlates of protective immunity and biomarkers of infection.

The postdoc candidate will work on the mouse model of TB to better understand crosstalk between dendritic cells and T cells during *M. tuberculosis* infection with an emphasis on mucosal immunity in the lung with the ultimate goal of identifying immunotherapeutic targets and ways to augment vaccine-induced immunity to TB. In addition to mouse models, the individual will also conduct complementary immunological studies on samples obtained from human cohort studies through ongoing collaborations.

The Rengarajan laboratory is located at the Emory Vaccine Center with access to excellent BSL3 facilities and a number of core facilities including genomics, proteomics, metabolomics and immunology cores, facilities for state-of-the-art flow cytometry, CyTOF mass cytometry and single-cell analyses. We have close interactions with a diverse and collegial community of researchers at the Emory Vaccine Center, Yerkes National Primate Center, Department of Microbiology and Immunology and the Division of Infectious Disease as well as the Centers for Disease Control (CDC). Faculty interests encompass basic, clinical and translational research. Emory University has an active post-doctoral office and applicants are encouraged to visit this and other relevant web sites included below.

**To Apply:** Interested candidates may forward a CV, cover letter with description of research experience and interests and three letters of references (or the names and contact information for three referees), to Dr. Jyothi Rengarajan: [jrengar@emory.edu](mailto:jrengar@emory.edu)

[https://sjobs.brassring.com/1033/ASP/TG/cim\\_jobdetail.asp?partnerid=25066&siteid=5449&areq=74140br](https://sjobs.brassring.com/1033/ASP/TG/cim_jobdetail.asp?partnerid=25066&siteid=5449&areq=74140br)

<http://www.med.emory.edu/postdoc/>

[http://www.vaccines.emory.edu/faculty/rengarajan\\_jyothi.html](http://www.vaccines.emory.edu/faculty/rengarajan_jyothi.html)

[http://www.biomed.emory.edu/PROGRAM\\_SITES/IMP/](http://www.biomed.emory.edu/PROGRAM_SITES/IMP/)

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