The Pillai laboratory (https://ragoninstitute.org/pillai/) at the Ragon Institute of MGH, MIT and Harvard is seeking to hire a full-time research technician.

The candidate will assist in research to define molecular and immunological mechanisms underlying severe infectious and autoimmune conditions not limited to COVID-19, IgG4-related disease and systemic sclerosis utilizing primary specimens from patients at the Massachusetts General Hospital. Recent work from the lab has identified pathogenic lymphocyte subsets driving fibrosis in multiple human autoimmune diseases and the molecular mechanisms underlying their development are being explored using a variety of approaches. Additionally, we are working on identifying the underlying antigenic triggers of these immune cells using multiple approaches to B cell and T cell antigen discovery.

This position is ideal for individuals who are interested in pursuing a career in biomedical research, industry or medicine and are looking to gain two years of meaningful research experience while working in a supportive, highly collaborative research environment with state-of-the-art facilities. The Ragon Institute is an internationally renowned, immunology-focused research center located in Kendall Square, Cambridge, Massachusetts.

We are interested in hiring an enthusiastic individual with a sound understanding of cell and molecular biology and a strong interest in human immunology and infectious diseases. The candidate must have the ability to work within a team atmosphere and be willing to work full-time with occasionally flexible hours. Prior related laboratory experience is preferred.

This position will involve both cellular and molecular laboratory bench work and offers an opportunity to gain experience in a broad range of techniques not limited to:

- Epifluorescence/multispectral microscopy
- Multi-parameter flow cytometry
- Next-generation sequencing (NGS)
- Tissue culture
- Work in both BSL1 and BSL2+ environments

**PRINCIPAL DUTIES AND RESPONSIBILITIES:**

- Attend and participate in weekly lab meetings and scientific discussions
- Understands and applies basic experimental techniques
- Set up and prepare experiments as directed
- Maintain a laboratory notebook
- Processing and maintenance of patient-derived cells and tissues
- Conduct analysis of results and learn to interpret results
• Perform independent literature searches
• Assist with organizing materials for publication or presentation

**REQUIREMENTS:**
• Self-motivation, strong organizational skills
• Prior experience in an immunology, biochemistry, or molecular biology lab
• Familiarity with experimental biology techniques
• Ability to work independently and as a team member
• Strong written and verbal communication skills
• Computer literacy
• On occasion, night work may be required, but only if an experiment requires it