



Position Description: An NIH-funded position is available for a post-doctoral fellow in Dr. Lee Quinton's laboratory at the Boston University School of Medicine. Dr. Quinton and his colleagues in the Pneumonia Biology Group of the BU Pulmonary Center investigate molecular mechanisms controlling immune resistance and tissue resilience in response to respiratory infection. Approaches for doing so include but are not limited to genetic mouse models, *ex vivo* methodologies, bioinformatics, and more, with the ultimate goal of elucidating cells and signals both inside and outside of the lungs that control pneumonia biology. Dr. Quinton's research program is particularly focused on lung-liver communication during pneumonia, as well as molecular determinants of epithelial barrier integrity.

Dr. Quinton's bibliography:

<http://www.ncbi.nlm.nih.gov/sites/myncbi/lee.quinton.1/bibliography/40747026/public/?sort=date&direction=descending>

BU Pneumonia biology: <http://www.bumc.bu.edu/pneumonia/>

Eligibility: This position requires a PhD, MD, or equivalent doctoral degree. Experience in immunology and/or lung biology research is preferred but not essential.

About Our Institution: The Pulmonary Center is a fully-equipped state of the art research facility encompassing >20,000 square feet of research space on the Boston University Medical Campus. The Center is comprised of a highly collaborative group of investigators, with diverse areas of expertise, including but not limited to infection and immunity, lung development and regenerative medicine, clinical research science, and genomics and bioinformatics. The Center is internationally renowned for forging the successful careers of many lung researchers, which is enabled in large part by its long-standing 40+ year NIH (T32) sponsored training program.

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