The **National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University (BU)**, one of only two national maximum containment facilities, is embarking on an exciting new phase of scientific growth, with the recruitment of multiple **faculty members at all ranks**. Successful candidates will hold a faculty position in one or more academic departments across BU, usually within the Chobanian & Avedisian School of Medicine, the College of Arts & Sciences, or the College of Engineering.

NEIDL is committed to global impact, transforming high-consequence pathogen research to create life-saving technologies and innovations. With programs in immunology, virology, bacteriology, host pathogenesis, and genetic epidemiology, as well as established international collaborations, NEIDL faculty conduct research to define, prevent, and treat diseases caused by pathogens with pandemic potential.

Situated within the vibrant academic, medical, and biopharma ecosystem of Boston, NEIDL contributes to a dynamic infectious diseases hub at BU, alongside numerous global infectious disease departments on the Medical Campus and active collaborations with universities and biotech throughout the Boston area.

NEIDL provides an unparalleled research environment with state-of-the-art laboratory facilities encompassing all biosafety levels (BSL), up to and including BSL-4, extensive animal housing facilities, aerobiology labs, and high-containment insectaries. Faculty members have access to an array of technology platforms within NEIDL, including advanced microscopy, flow cytometry, biocontainment *in vivo* imaging, high-throughput tissue staining, spatial transcriptomics, and fluid microrobotics. University Centers across the BU campus provide investigators access to additional technologies, such as stem cell/organoid technologies at the Center for Regenerative Medicine, shared and core facilities in Photonics, Center for Computing & Data Sciences, CARB-X (the global antibacterial innovation accelerator), and a Cryo-EM facility.

Ideal Candidates

Ideal candidates will lead an independent, externally funded basic and/or translational research program in the ecology, biology, pathogenesis, and transmission of microbes, including but not limited to arboviruses, respiratory viruses such as highly pathogenic avian influenza (HPAI), and *Mycobacterium tuberculosis*.

Areas of interest include arthropod host and virus biology, structure-based vaccine design, B-cell development, immunologic mechanisms of protection, mucosal immunology, post-acute neurological sequelae of microbial infection, arthropod and respiratory transmission, and the impact of global change on pathogens. *Applicants with other closely related expertise are strongly encouraged to apply*.

Qualifications

A doctoral degree (Ph.D., M.D., or equivalent) in a relevant field with at least three years of postdoctoral experience is required.

We are seeking candidates who work well in a team, have a strong publication record, and, for higher ranks, a grant and/or contract funding record.

U.S. citizenship is not required.

We are an equal-opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, natural or protective hairstyle, religion, sex, age, national origin, physical or mental disability, sexual orientation, gender identity, genetic information, military service, pregnancy or pregnancy-related condition, or marital, parental, or veteran status. We are a VEVRAA federal contractor.

Pay & Benefits
Compensation is commensurate with experience, qualifications, and accomplishments. This position is subject to an extensive background check.

To Apply
Please format an application as a single PDF document containing:

1. Cover letter
2. Curriculum Vitae
3. Brief description of research accomplishments
4. Brief description of research objectives over the next five years
5. Three key recent publications with a statement on why these are particularly impactful
6. Name and contact information for at least three references

Email the application package to: **NEIDL@bu.edu**