

Outstanding Opportunities in the AIDS and Cancer Virus Program

The AIDS and Cancer Virus Program pursues multidisciplinary research programs in basic and applied molecular virology, viral immunology, retroviral pathogenesis and development of new approaches for the treatment and prevention of HIV infection and viral malignancies. The Program includes both investigator initiated research conducted in Principal Investigator headed Research Sections, and Research Support Cores, both focused on using cutting edge technology to solve challenging and complex research questions in AIDS and Cancer biology. Our program is part of the Frederick National Laboratory for Cancer Research, a federally funded research and development center sponsored by the Department of Health and Human Services and operated by Leidos Biomedical Research Inc., to conduct and support research and act as a liaison between the federal government and the extramural research community. The AIDS and Cancer Virus Program is funded directly through the National Cancer Institute, providing many of the key benefits of an NIH intramural research program, but specifically encourages and provides outstanding opportunities for collaborative interactions with investigators across the country.

Head, Quantitative Molecular Diagnostics Core/HIV Molecular Monitoring Core

The AIDS and Cancer Virus Program is seeking an extremely well qualified individual to serve as Head of the Quantitative Molecular Diagnostics Core (QMDC) and HIV Molecular Monitoring Core (HMMC) within our Program, following the untimely death of Dr. Michael Piatak, Jr. who previously headed both Cores. The QMDC develops and performs quantitative molecular analyses, predominantly using qPCR and qRT PCR based methods, in support of cutting edge AIDS related studies in nonhuman primate models, conducted by ACVP investigators and collaborating laboratories across the country. The HMMC performs specialized quantitative virologic analyses and sequence analyses of specimens from HIV-infected individuals enrolled in clinical studies.

To head both of these Research Support Cores, which are central to our Program, we are looking for a creative, innovative team player to play a key role in high profile, high impact scientific collaborations, with the ability to thrive in a dynamic, demanding collaborative environment that requires close attention to detail while maintaining rigorously high data quality in the face of laboratory throughput requirements and deadlines. This individual will be responsible for the operation of Research Support Cores providing a range of critical nucleic acid based quantitative virological and sequence based viral analyses in support of high profile AIDS related studies in nonhuman primate models and clinical protocols. The individual will work with ACVP Director Dr. Jeff Lifson to provide overall scientific and technical direction for both Cores, including oversight of daily ongoing operations and staff, assessment, development, evaluation and implementation of new assays and technologies. The individual will communicate/coordinate with a variety of internal and external collaborators on all aspects of collaborations, ranging from specimen processing recommendations to coordination of testing, through interpretation and reporting of results and manuscript preparation.

BASIC QUALIFICATIONS

- Doctoral degree from an accredited college or university in molecular biology, virology or related discipline.
- Foreign degrees must be evaluated for U.S. equivalency.
- In addition to educational requirements, a minimum of five or ten years post-graduate experience of competent, innovative research in a field of specialty (the position, Senior Scientist or Senior Principal Scientist, will depend on qualifications and experience).
- The successful candidate will have a broad and solid background in molecular biology or molecular virology and nucleic acid amplification technology, extensive hands on experience with the development, optimization, validation, quality control, application and troubleshooting of quantitative PCR/quantitative RT PCR format assays.
- Strong background in statistical methods and prior experience as an effective manager and supervisor is also required.
- This position is subject to obtaining a Public Trust Clearance.

PREFERRED QUALIFICATIONS

- Experience with nucleic acid sequencing in a support role, including next generation sequencing technologies a plus, along with expertise in RNAseq/microarrays as well as prior successful experience heading a research support core in academia or industry.

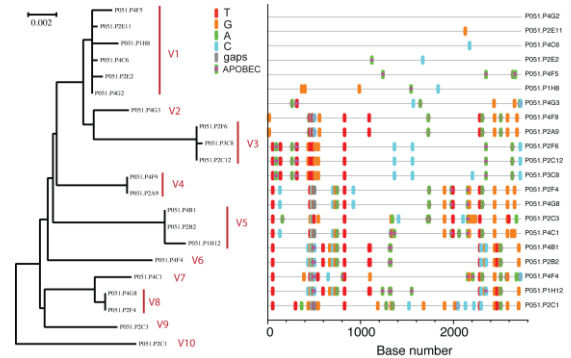
Please apply through Leidos web site (<http://jobs.leidos.com>) and apply for position 610344.

Postdoctoral Fellowship Opportunities in the AIDS and Cancer Virus Program

The ACVP also has two postdoctoral fellowship opportunities available for outstanding candidates:

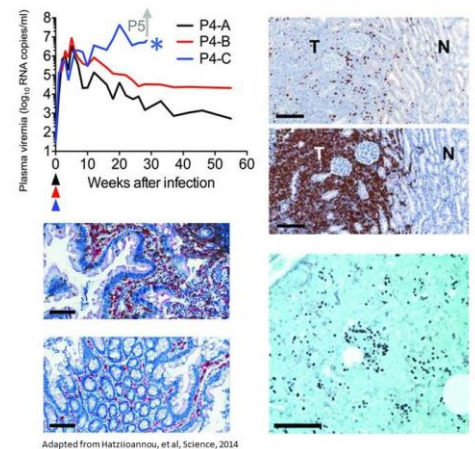
Retroviral Evolution Section

Working with **Dr. Brandon Keele**, Principal Investigator of the **Retroviral Evolution Section**, the successful candidate will utilize state-of-the-art sequencing approaches applied to nonhuman primate models of AIDS to address key research questions including viral transmission, dynamics and evolution, immune evasion, viral persistence and reservoirs. This individual will independently perform molecular biology and cell culture assays and work with Dr. Keele to develop an independent research project. Highly motivated individuals with prior experience working with retroviruses under BSL2* biocontainment conditions, familiarity with propagation of retroviruses in vitro, basic molecular biology skills including DNA/RNA extraction from a variety of cell types and tissues, and a general understanding of viral evolution and population genetics are desired.



Retroviral Pathogenesis Section

The successful candidate will conduct independent research with **Dr. Jeffrey Lifson, MD**, Director of the AIDS and Cancer Virus Program and Principal Investigator of the **Retroviral Pathogenesis Section**, involving the development of non-human primate models of AIDS virus latency and evaluation of strategies for achieving viral eradication or sustained off treatment virologic remission. Position will involve work with infectious materials and animals under BSL2*/ABSL2* biocontainment conditions.



Qualifications for both positions include:

- Doctorate degree from an accredited college/university in virology, microbiology, immunology or related discipline
 - Foreign degrees must be evaluated for U.S. equivalency.
 - Years of experience are not required beyond the doctoral degree; however demonstrated ability to productively conduct scientific research projects in virology, immunology or related disciplines is required.
- For additional information, contact Dr. Keele (keelebf@mail.nih.gov) or Dr. Lifson (lifsonj@mail.nih.gov).

Please apply through Leidos web site (<http://jobs.leidos.com>) and apply for position 606060 (Retroviral Evolution Section) or position 606061 (Retroviral Pathogenesis Section).