

### **Post-doctoral position in HIV molecular biology and immunology**

A funded post-doctoral position is available in the laboratory of Nathaniel Landau in the Department of Microbiology at the NYU School of Medicine.

Research focus is on virus: host interactions and the immune response to HIV infection. Available projects are: (i) Identification of novel lentiviral restriction factors based on a genome-wide screen of genes induced in primary myeloid and DCs. (ii) The development of a lentiviral vector- based therapeutic DC vaccine for HIV. Vectors developed will be used to study the role of DCs in stimulating T cell responses and reversing T cell exhaustion. (iii) The role of Vpr and Vpx lentiviral accessory proteins in counteracting host restriction factors in overcoming proviral transcriptional silencing in myeloid and T cells.

NYU School of Medicine, located in mid-town Manhattan, offers a rich scientific and intellectual environment for collaborative projects and cutting edge instrumentation and core facilities. Subsidized housing is available and benefits are included. The laboratory is housed in the Alexandria Center which provides first-rate facilities and opportunities for interactions between academic and industry partners.

#### **PUBLICATIONS:**

Jáuregui P and N.R. Landau. (2018). DNA damage induces a SAMHD1-mediated block to the infection of macrophages by HIV-1. *Sci Rep.* 8:4153. PMID: 29515139.

Hofmann, H., Vanwalscappel, B., Bloch, N., N.R. Landau. (2016). TLR7/8 agonist induces a post-entry SAMHD1-independent block to HIV-1 infection of monocytes. *Retrovirology.* 13(1):83. PMID 27905985.

Norton TD, Miller EA, Bhardwaj N, Landau NR. (2015) Vpx-containing dendritic cell vaccine induces CTLs and reactivates latent HIV-1 in vitro. *Gene Therapy.* 22(3):11-20. PMID: 25567537.

Lahouassa, H., Daddacha, W., Hofmann, H., Ayinde, D., Logue, EC, Dragin, L., Bloch, N., Maudet, C., Bertrand, M., Gramberg, T., Pancino, G., Priet, S., Canard, B., Laguette, N., Benkirane, M., Transy, C., Landau, NR., Kim, B. & Margottin-Goguet, F. (2013). SAMHD1 restricts the replication of human immunodeficiency virus type 1 by depleting the intracellular pool of deoxynucleoside triphosphates. *Nat Immunol.*, 14(8):877. PMID: 23867943.

**REQUIREMENTS:** The candidate must hold a Ph.D. and have a background in molecular biology and publications in Virology or a related field. The candidate must be highly motivated and interested to join an interactive research group.

**FUNDING AND SALARY:** Funds are provided through NIH research grants and departmental training grants. Salary is commensurate with suggested NIH postdoctoral salary guidelines.

Qualified applicants should send their C.V., a brief statement of research interests and contact information for three references to [Nathaniel.landau@med.nyu.edu](mailto:Nathaniel.landau@med.nyu.edu).