

Postdoctoral Positions: Cellular Host Responses to Oncogenic and Pandemic Viral Infections

Multiple postdoctoral positions are available in the Karijolich laboratory at the Vanderbilt University School of Medicine. The laboratory is within the Departments of Pathology, Microbiology, and Immunology (PMI), and Biochemistry. We are also affiliated with the Vanderbilt-Ingram Cancer Center (VICC), Vanderbilt Center for Immunobiology (VCI), and the Vanderbilt Institute for Infection, Immunology, and Inflammation (VI4).

Our laboratory is broadly interested in the molecular biology of oncogenic viruses as well as those with pandemic potential. Recent areas of focus have included double-stranded RNA-induced antiviral immunity, transcriptional and post-transcriptional regulation of gene expression, RNA modification and structure, and in vivo antiviral and antitumor mechanisms. Our work is multidisciplinary and combines Virology, Immunology, RNA biochemistry, genome-wide CRISPR/Cas9 screens, and high-throughput sequencing and proteomic approaches. The laboratory is well funded with grants from the National Institutes of Health, American Cancer Society, and Pew Charitable Trusts Foundation.

Vanderbilt University is located in the heart of Nashville, Tennessee. Internationally known as “Music City”, Nashville is a thriving city located on the Cumberland River with great restaurants, museums, art, and of course Music.

Candidates must have or plan to have a Ph.D. and should possess expertise in molecular and cellular biology. Applicants with experience processing and analyzing high-throughput sequencing data are strongly encouraged to apply, as are applicants with experience working with in vivo cancer and infection models. To apply, please send CV, brief statement of research experience/interests and contact information for professional references.

Please submit applications to: John.karijolich@vanderbilt.edu

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