



Icahn
School of
Medicine at
Mount
Sinai

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The Department of Microbiology at the Icahn School of Medicine at Mount Sinai has an immediate opening for a Postdoctoral Fellowship position in the Palese laboratory.

The successful candidate will work on the development of a universal influenza virus vaccine that can protect from all circulating virus strains and on a mucosal SARS-CoV-2 vaccine.

The ideal candidate will have:

- An advanced degree (Ph.D., M.D., ScD., D.V.M.); and
- A strong publication record; and
- Experience in one or more of the following areas: molecular virology, transcriptomics, proteomics, viral immunology, RNA biology.

Candidates are expected to demonstrate a strong work ethic, a high degree of motivation, and be able to work independently.

About the Palese laboratory:

The Palese Laboratory and the Department of Microbiology focuses on fundamental questions concerning the genetic make-up and biology of viruses, as well as virus-host interactions. They use molecular biological techniques to understand how viruses replicate and how they interact with cells to cause disease in their hosts. Emphasis is on the study of RNA viruses, including influenza, paramyxo, and corona viruses. There are three major research directions in the laboratory at the present time: (1) by genetically changing influenza viruses via recombinant DNA techniques, we are studying viral genes and gene products to **develop a universal influenza virus vaccine**; (2) animal models are used to study the effectiveness of these novel influenza virus vaccine constructs and their mechanisms of protection; (3) attempts are made to develop novel mucosal SARS-CoV-2 vaccines.

For more information about the Palese laboratory, please visit <http://labs.ichn.mssm.edu/paleselab/>

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