

**POSTDOCTORAL POSITIONS IN VIROLOGY AND IMMUNOLOGY**  
**Cleveland Clinic Florida Research and Innovation Center**  
**Port St. Lucie, Florida, USA**

**Dr. Michaela Gack's** laboratory at the Florida Research and Innovation Center of Cleveland Clinic, Port Saint Lucie, Florida, is seeking highly motivated postdoctoral fellows with a background in immunology, virology or closely related fields to be part of a team working to understand the interplay of viral pathogens with the human immune response.

Our team is interested in dynamic virus-host interactions, focusing on understanding the innate immune mechanisms of viral disease pathogenesis. Using cutting-edge gene-targeting screens combined with molecular, biochemical and cell biological approaches, we are identifying and characterizing the regulatory mechanisms that govern the detection of viruses through innate immune sensors, and the subsequent induction of signaling cascades leading to antiviral gene expression. Moreover, our group is interested in identifying novel host restriction factors of virus infection. Another major area of our research focuses on the detailed mechanisms, how viruses, in particular SARS-CoV-2, mosquito- or tick-transmitted viruses (*e.g.* dengue and Zika viruses) as well as certain DNA viruses, antagonize the human antiviral immune response, and on the understanding of their roles in the viral life cycle. The Gack lab is also conducting translational research to discover novel broad-spectrum antiviral agents against a variety of clinically-relevant viruses.

The successful candidate will be expected to plan, design, and conduct research experiments; prepare manuscripts for publication, presentation, and future research; participate in various lab activities, and work collaboratively and collegially as part of the team while developing skills needed as an independent scientist. Postdoctoral fellows will also have the opportunity to develop novel projects that complement the overall directions of the lab.

The **Florida Research and Innovation Center (FRIC)** is dedicated to the discovery and advancement of innovative translational research, focused on infectious diseases and immuno-oncology. The Center is an exceptional state-of-the-art facility of dedicated research and support spaces. The FRIC has Shared Resource facilities in Flow Cytometry, Imaging, Bioinformatics, Select Agents and a Vivarium supporting ABSL-3 suites <https://www.lerner.ccf.org/fric/>

The FRIC is part of the recently established **Global Center for Pathogen Research & Human Health** of Cleveland Clinic. <https://www.lerner.ccf.org/pathogen-research/>

This Center will broaden understanding of viral pathogens and the human immune response toward preparing and protecting against future public health threats. The Center is organized around six critical programs: Virus and Immune Discovery; Personalized Medicine; People and Population Studies; Diagnostics Tests; Technology Development, Treatments and Vaccines; and Clinical Application & Healthcare Deliverables. The highly collaborative, integrated teams of these Programs set the Center apart from other pathogens research efforts.

**Education Requirement**

PhD or equivalent



**Application Instructions**

Please email your curriculum vitae, a brief description of research experience, list of publications, and the names of three references to:

Michaela U. Gack, Ph.D.  
The Arthur and Marilyn Levitt Endowed Chair  
Scientific Director  
Florida Research and Innovation Center  
Port Saint Lucie, FL  
Email: [gackm@ccf.org](mailto:gackm@ccf.org)