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### Research Interests

- Virus-host interactions
- Stem cell technologies
- Intervention of viral infections

## Background Information

My lab studies emerging and re-emerging viruses that pose significant threats to human health. Researchers use molecular biology techniques and tissue culture models, including stem cell-derived 3-dimensional models, to investigate the mechanisms by which significant human pathogens, such as Zika and dengue viruses, disseminate and cause diseases. Our research is supported by grants from National Institute of Allergy and Infectious Diseases (NIAID).

## How I Can Help a COVID-19 Related Project

Cell culture models for viral infection

Platform to develop rapid serological assay for COVID-19 diagnostics

Small molecule candidate that can potential inhibit SARS-CoV-2 replication

Access to key scientists and labs engaging in COVID-19 research

Knowledge related to various aspects of SARS-CoV-2 biology, and RNA viruses in general

## How Someone Can Help My COVID-19 Project

We are developing, with an existing collaboration with industry partner, a rapid serological test for COVID-19, we are seeking partners who have clinical samples to help validate the test

## Additional Content

Optional Content Textbox