



September 25th, 2020 | 9:00am-1:30pm

COVID-19 & IMMUNITY

MINI-SYMPOSIUM

NYU Grossman School of Medicine
Translational Immunology Center

Register to receive a zoom link:

[https://nyulangone.zoom.us/meeting/register/tJAKd-2sqzsjG9F4TG1ggDofucnxqVuAhmWh](https://nyulangone.zoom.us/join/https://nyulangone.zoom.us/meeting/register/tJAKd-2sqzsjG9F4TG1ggDofucnxqVuAhmWh)

Host: Boris Reizis, PhD

9:00am–9:05am

Opening remarks

*Boris Reizis, PhD, Professor,
Departments of Pathology and Medicine*

9:05am–10:20am

Session 1: Pathogenesis of COVID-19 infection

9:05am-9:20am

ACE2 “microbody” is a potent inhibitor of beta coronavirus infection

*Nathaniel Landau, PhD, Professor,
Department of Microbiology*

9:20am-9:35am

Comparative study of a 3CLpro inhibitor and remdesivir against both major SARS-CoV-2 clades in human airway models

*Meike Dittman, PhD, Assistant Professor,
Department of Microbiology*

9:35am-9:50am

Targeting SARS-CoV-2 viral-immune interactions for COVID-19 therapy

*Jun Wang, PhD, Assistant Professor,
Department of Pathology*

9:50am-10:05am

Understanding antibody responses to SARS-CoV-2 infections

*Kenneth A. Stapleford, PhD, Assistant Professor,
Department of Microbiology*

10:05am-10:20am

Discussion

10:20am–10:30am

Break

10:30am–11:35am

Session 2: Harnessing immunity to prevent COVID-19 infection

10:30am-10:40am

Histological Assessment of Inflammation and IL-6 in COVID-19 Autopsy Tissues

Emma Kurz, Graduate Student (Bar-Sagi lab)

10:40am-10:50am

Studying immune mechanisms of pulmonary infection in COVID-19

Stephen Yeung, Associated Research Scientist (Khanna lab)

10:50am-11:20am

Advances towards a vaccine for COVID-19

*Mark Mulligan, MD, Professor,
Departments of Medicine and Microbiology*

11:20am-11:35am

Discussion

11:35am–12:00pm

Break

12:00pm–1:00pm

Session 3: Cellular mechanisms of immune responses during COVID-19 infection

12:00pm-12:15pm

Probing T cell and B cell responses and clinical correlates during SARS-CoV-2 infection

*Ramin Herati, MD, Assistant Professor,
Departments of Medicine and Microbiology*

12:15pm-12:30pm

Deciphering adaptive immune responses to COVID-19

*Sergei B. Korolov, PhD, Associate Professor,
Department of Pathology*

12:30pm-12:45pm

Evaluation of T cell responses to COVID-19 infection and vaccination in cancer patients undergoing checkpoint blockade

*Michelle Krogsgaard, PhD, Associate Professor,
Department of Pathology*

12:45pm-1:00pm

High-dimensional analysis of leukocytes during COVID-19 infection

*Pratip Chattopadhyay, PhD, Professor,
Department of Pathology*

1:00pm–1:30pm

Summary and Discussion

*Boris Reizis, PhD, Professor,
Departments of Pathology and Medicine*