9:00am–9:05am  Opening Remarks
Boris Reizis, PhD, Professor,
Departments of Pathology and Medicine

9:05am–10:25am  Session 1: Pathogenesis of COVID-19 infection
Chair: Stefan Feske, MD, Professor,
Department of Pathology

9:05am-9:25am  ACE2 “microbody” is a potent inhibitor of beta coronavirus infection
Nathaniel Landau, PhD, Professor,
Department of Microbiology

9:25am-9:45am  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

9:45am-10:05am  Targeting SARS-CoV-2 viral-immune interactions for COVID-19 therapy
Jun Wang, PhD, Assistant Professor,
Department of Pathology

10:05am-10:25am  Understanding antibody responses to SARS-CoV-2 infections
Kenneth A. Stapleford, PhD, Assistant Professor,
Department of Microbiology

10:25am–10:35am  Break

10:35am–11:35am  Session 2: Harnessing immunity to prevent COVID-19 infection
Chair: Christopher Park, MD, PhD, Associate Professor,
Department of Pathology

10:35am-10:50am  Histological Assessment of Inflammation and IL-6 in COVID-19 Autopsy Tissues
Emma Kurz, Graduate Student (Bar-Sagi lab)

10:50am-11:05am  Studying immune mechanisms of pulmonary infection in COVID-19
Stephen T Yeung, PhD, Associate Research Scientist (Khanna lab)

11:05am-11:35am  Advances towards a vaccine for COVID-19
Mark Mulligan, MD, Professor,
Departments of Medicine and Microbiology

11:35am–12:00pm  Break

12:00pm–1:20pm  Session 3: Cellular mechanisms of immune responses during COVID-19 infection
Chair: Ana Rodriguez Fernandez, PhD, Professor,
Department of Microbiology

12:00pm-12:20pm  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

12:20pm-12:40pm  Deciphering adaptive immune responses to COVID-19
Sergei B. Koralov, PhD, Associate Professor, Department of Pathology

12:40pm-1:00pm  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

1:00pm-1:20pm  High-dimensional analysis of leukocytes during COVID-19 infection
Pratip Chattopadhyay, PhD, Professor,
Department of Pathology

1:20pm–1:30pm  Summary and Discussion
Boris Reizis, PhD, Professor,
Departments of Pathology and Medicine