ICB&DD 15th Annual Symposium
Thursday, October 7, 2021 via Zoom

Join Zoom Meeting https://stonybrook.zoom.us/j/97710676606?pwd=NTFLZzFmTkRDSDdjYUFnNGY4QUxfFQT09

Drug Discovery for COVID-19 and Other Emergent Coronaviruses

9:15 am to 9:30 am
Opening Remarks
Dr. Carlos Simmerling, Professor, Department of Chemistry, Marsha Laufer Professor of Physical and Quantitative Biology, Stony Brook University, Chair, Symposium Organizing Committee
Dr. Richard Reeder, Vice-President for Research, Stony Brook University
Dr. Iwao Ojima, Distinguished Professor and Director, Institute of Chemical Biology and Drug Discovery, Stony Brook University

9:30 am to 10:15 am
Moderator: Dr. Patrick Hearing
Dr. Susan Weiss, Professor, Department of Microbiology, University of Pennsylvania, Perelman School of Medicine
“History and Biology of Coronaviruses: What this Teaches us About Targets for Therapeutics”

10:15 am to 11:00 am
Moderator: Dr. Peter Tonge
Dr. Rolf Hilgenfeld, Professor, University of Lübeck, Institute of Molecular Sciences, Lübeck Germany
“The Main Protease of SARS-CoV-2: Structures, Inhibitors, and Mutations”

11:00 am to 11:45 am
Moderator: Dr. Hwan Kim
Dr. Stanley Perlman, Professor, Department of Microbiology and Immunology, University of Iowa, Carver College of Medicine
“Animal models for COVID-19”

11:45 am to 1:00 pm
Lunch and Poster Session via Zoom

1:00 pm to 1:45 pm
Moderator: Dr. Carol Carter
Dr. Carolyn Machamer, Professor Department of Cell Biology, Johns Hopkins University School of Medicine
“Assembly and Egress of Coronaviruses”

1:45 pm to 2:30 pm
Moderator: Dr. Erich Mackow
Dr. Sara Cherry, Professor, Department of Microbiology, University of Pennsylvania, Perelman School of Medicine
“COVID-19: Antiviral Discovery Pipeline”

2:30 pm to 3:30 pm
Student Poster Session via Zoom

3:30 pm to 4:15 pm
Moderator: Dr. Janet Hearing
Dr. David Veesler, Associate Professor, Department of Biochemistry, University of Washington
“Structure-Based Design of a Coronavirus Vaccine”

4:15 pm to 5:00 pm
Moderator: Dr. Robert Rizzo
Dr. Carlos Simmerling, Professor, Department of Chemistry, Marsha Laufer Professor of Physical and Quantitative Biology, Stony Brook University
“Developing a Model of the Membrane Fusion Mechanism of Coronavirus Spike Glycoproteins”

5:00 pm to 5:05 pm
Closing Remarks: Dr. Patrick Hearing

5:05 pm to 5:10 pm
Announcement of Poster Awards: Dr. Janet Hearing

5:10 pm to 5:30 pm
Short Presentations by the Award Winners