

ICB&DD 15th Annual Symposium

Thursday, October 7, 2021 via Zoom

Join Zoom Meeting <https://stonybrook.zoom.us/j/97710676606?pwd=NTFLZzFmTkRDSdJYUFnNGY4QUxhFQT09>

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 11:00am

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 Veessler, 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