The 3rd Symposium of Society of Chinese Bioscientists in America (SCBA) – Virology Division
December 30-31, 2020

The SCBA-Virology Division will hold its 3rd annual symposium virtually on December 30-31, 2020.

A special session dedicated to COVID-19/SARS-CoV-2 is planned for December 30, 9 am – 13:35 pm, US Eastern Standard Time. Registration in advance is free but required to attend the meeting. The scientific program is enclosed.

To register, you may directly click the link in your COMPUTER; CELL PHONE may NOT work. Alternatively, you can copy the URL address to your CELL PHONE and then open: https://us02web.zoom.us/webinar/register/WN_iw7zz5CtSWyRI7ULi6GstQ.

Keynote speakers

Susan Weiss, PhD
University of Pennsylvania
“Coronaviruses: History, Biology and Innate Immune Antagonism”

Xiang-Jin (XJ) Meng, MD, PhD
Virginia Tech
“Expanding Host Range and Extrahepatic Manifestation of Hepatitis E Virus Infection”
The 3rd Symposium of Association of Chinese Virologists in America (ACVA)
Society of Chinese Bioscientists in America (SCBA) – Virology Division
December 30-31, 2020

Organizing Committee:
Chair: Shan-Lu Liu
Co-Chairs: Haitao Guo and Tongqing Zhou
Members: Genhong Cheng, Renfeng Li, Yuying Liang,
Wenjun Ma, Zhi-Ming Zheng
December 30, Wednesday 9:00-12:35 pm, US Eastern Standard Time

COVID-19/SARS-CoV-2 special session

Co-chairs: Shan-Lu Liu, The Ohio State University
           Tongqing Zhou, Vaccine Research Center, NIH

9:00-9:10 Introduction: Shan-Lu Liu

9:10-9:55 am Keynote address: Susan Weiss “Coronaviruses: History, Biology and Innate Immune Antagonism”

9:55-10:15 Dong-Yan Jin, University of Hong Kong
           “Activation of NLRP3 inflammasome by SARS-CoV and SARS-CoV-2”

10:15-10:35 Shibo Jiang, Fudan University
           “Pan-CoV fusion inhibitors for today and tomorrow”

10:35-10:45 Break

Co-chairs: Genhong Cheng, University of California, Los Angeles
           Qiuhong Wang, The Ohio State University

10:45-11:15 Pei-Yong Shi, University of Texas Medical Branch at Galveston
           “SARS-CoV-2 Biology and Countermeasure Development”

11:15-11:35 Peijun Zhang, University of Oxford
           “Multi-modal Multi-scale Cryo-imaging of SARS-CoV-2 Replication”

11:35-11:55 Linfa Wang, Duke-National University of Singapore Medical School
           “Searching for the Origin of SARS-CoV-2 by Focusing on Science”

11:55-12:35 Panel Discussion led by Feng Gao, Jilin University and Zhengli Shi, Wuhan Institute of Virology, CAS. Members: Chen Liang (McGill University), Shan Lu (University of Massachusetts Medical School), Xuefeng Liu (Georgetown University), Yuntao Wu (George Mason University), Yan Xiang (University of Texas at San Antonio), Chuan Xiao (University of Texas at El Paso)

December 30, Wednesday 1:30-5:20 pm, US Eastern Standard Time

Host response, pathogenesis, and antivirals

Co-chairs: Fanxiu Zhu, Florida State University
           Guangxiang Luo, University of Alabama at Birmingham

1:30-1:50 Luwen Zhang, University of Nebraska - Lincoln
“Amyloid Precursor Protein is a Restriction Factor that Protects against Zika Virus Infection in Mammalian Brains”

1:50-2:10 Penghua Wang, University of Connecticut School of Medicine
“UBXN3B Keeps Inflammation under Control”

2:10-2:30 Liang Shan, Washington University in St. Louis
“CARD8 is An Inflammasome Sensor for HIV-1 Protease Activity”

2:30-2:50 Liang Deng, Memorial Sloan Kettering Cancer Center
“Lung Type II Alveolar Epithelial Cells Collaborate with CCR2+ Inflammatory Monocytes in Host Defense Against an Acute Vaccinia Infection in the Lungs”

2:50-3:10 Renfeng Li, Virginia Commonwealth University
“Caspase Cleavage of m6A Writers and Readers Reactivates a Common Human Tumor Virus”

3:10-3:20 Break

Co-chairs: Qiyi Tang, Howard University
Qigui Yu, Indiana University School of Medicine

3:20-3:40 Jie Sun, Mayo Clinic
“β-catenin and HIF-1α Complex-mediated Uncoupling of Macrophage Inflammation from Self-renewal Modulates Host Recovery from Respiratory Viral Infection”

3:40-4:00 Wei Jiang, Medical University of South Carolina
“The Pathologic Anti-CD4 Autoantibodies in HIV Immunopathogenesis”

4:00-4:20 Dongfang Liu, Rutgers New Jersey Medical School
“Efficacy of Targeting SARS-CoV-2 by using CAR-NK Cells”

4:20-4:40 Jun Wang, University of Arizona College of Pharmacy
“Drug Discovery Targeting SARS-CoV-2 Main Protease and Papain-like Protease”

4:40-5:20 Panel Discussion led by Shou-Wei Ding (University of California, Riverside) and Lishan Su (University of Maryland School of Medicine). Members: Zhiqiang Qin (University of Arkansas for Medical Sciences), Zihai Li (The Ohio State University), Feng Li (University of Kentucky), Lijun Rong (University of Illinois at Chicago), Zhengqiang Wang (University of Minnesota).

December 31, 2020, 9:00am-12:30pm, US Eastern Standard Time

Viral replication and spread
Co-chairs: Zhi-Ming Zheng, National Cancer Institute, NIH
Wenjun Ma, University of Missouri

9:00-9:05 introduction by Zhi-Ming Zheng, National Cancer Institute, NIH

9:00-9:50 Keynote by XJ Meng, Virginia Tech
“Expanding Host Range and Extrahepatic Manifestation of Hepatitis E Virus Infection”

9:50-10:10 Zongdi Feng, The Ohio State University
“Mechanism for Hepatitis E Virus Spread”

10:10-10:30 Zhilong Yang, Kansas State University
“Poxvirus-encoded Decapping Enzymes Promote Selective Translation of Viral mRNAs”

10:30-10:40 Break

Co-chairs: Haitao Guo, University of Pittsburgh
Yuying Liang, University of Minnesota

10:40-11:00 Zhi-Ming Zheng, National Cancer Institute, NIH
“KSHV Inhibits Innate Immunity by Blocking Formation of Host Antiviral RNA Granules”

11:00-11:20 Xiao Heng, University of Missouri
“HIV-1 Recruits Host DHX9/RHA to Serve as a RT Processivity Cofactor to Bolster Virion Infectivity”

11:20-11:40 Xianfang Wu, Cleveland Clinic
“Single-cell Transcriptome Analysis Tracks the Fate of Hepatic Stellate Cells after Inhibition of Hepatitis C Virus Infection”

11:40-12:20 Panel Discussion led by Shou-Jiang Gao (University of Pittsburgh) and Jianming Hu (Penn State University). Members: Wenzhe Ho (Temple University), Binhua Julie Ling (Texas Biomed Res Institute), Xiaofeng Wang (Virginia Tech), Lijuan Yuan (Virginia Tech), Yan Yuan (University of Pennsylvania).

12:20-12:30: Closing remarks: Shan-Lu Liu and Haitao Guo