



| Date | Time | Track | Presentation Title | Speaker |
|-------|------------------|-------|--|--|
| 2-Apr | 06:00 - 07:00 AM | | A Multi-Omic Approach to Detection and Characterization of Viral Pathogens and Their Impact on the Immune System | Bill Hunt, MS Director, Microfluidics Product Management, Fluidigm Andrew Quong, PhD Chief Science Officer, Fluidigm |
| 2-Apr | 06:00 - 07:00 AM | | Enhanced. Rapid Target Identification by NGS for Vaccine Development | Cris Kinross Global Market Development, Thermo Fisher Scientific |
| 2-Apr | 07:30 - 08:30 AM | | COVID-19: Putting together the pieces of the pandemic | Rowshanak Hashemiyoan, PhD Clinical Scientist, Author, Consultant |
| 2-Apr | 07:30 - 08:30 AM | | From Hendra to Wuhan: emerging bat-borne viruses in a quarter of century | Linfa Wang, PhD Professor & Director, Emerging Infectious Diseases Program, Duke-NUS Medical School, Singapore |
| 2-Apr | 08:30 - 09:30 AM | | Laboratory Diagnosis of SARS-CoV-2 Infections: Current Status | Yi-Wei Tang, MD, PhD, F(AAM), FIDSA China Chief Medical Officer of Cepheid at the Danaher Diagnostic Platform in Shanghai |
| 2-Apr | 08:30 - 09:30 AM | | Rapid Discovery of Therapeutic Antibodies for SARS-CoV-2 and Other Viral Pandemics | Anupam Singhal Product Manager, Antibody Therapeutics, Berkeley Lights, Inc. |
| 2-Apr | 10:00 - 11:00 AM | | Laboratory Tests for CoVID-19 | Jun Wu, PhD Associate Professor, Pathology, Vice Director of Clinical Laboratory Medicine Center, Shanghai General Hospital, affiliated to Shanghai Jiaotong University |

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| 2-Apr | 10:00 AM - 11:00 AM | | SARS-CoV-2 (CoVID-19: Emergence, Biology, and Countermeasures) | Mark R. Denison, MD Director, Division of Infectious Diseases, Craig-Weaver Professor of Pediatrics, Professor of Pathology, Microbiology & Immunology, Professor at Vanderbilt University |
| 2-Apr | 11:30 AM - 12:30 PM | | COVID-19 infection mechanism, tools for testing and therapeutic antibody development | Manzhu Kang, PhD Senior Scientist of Antibody Research Group at GenScript ProBio Sean Taylor Manager of the Field Applications Group at GenScript USA, Inc |
| 2-Apr | 11:30 AM - 12:30 PM | | Implementation of Molecular Diagnostics for SARS-CoV-2 | Li Jiang, MD, PhD Sichuan Academy of Medical Sciences & Sichuan Provincial People's Hospital Sichuan Provincial Center for Clinical Laboratories (SPCCL) |
| 2-Apr | 01:00 PM - 02:00 PM | | PANEL: Specimen Collection and Laboratory Safety | Jason Chen, MD Head of Virology Unit of KingMed Diagnostics Yushen Jiang, MD Deputy Director of Central Lab of DIAN Diagnostics Ruben Luo, PhD NACCCA Board Secretary, Clinical Fellow of UC San Francisco Chengbin Wang, MD Chairman of Chinese Society of Laboratory Medicine, Director of Clinical Laboratory of PLA General Hospital, Chief Physician Frank Yang, MD, PhD Pathologist (ABP-AP/CP, Hem), Vice President of ADICON Medical Laboratories |
| 2-Apr | 01:00 PM - 02:00 PM | | Rapid Response to the Coronavirus Outbreak: How Collaboration Meets the Challenge | Geert Koene, PhD Biosearch Technologies Market Segment Manager MDx, LGC |
| 2-Apr | 02:30 PM - 03:30 PM | | COVID-19 Total Solutions for Detection and Surveillance | Subodh Nimkar Senior Product Manager, Complete Genomics Facility, MGI Pan Zhang, PhD Laboratory Director at BGI |
| 2-Apr | 02:30 PM - 03:30 PM | | Opportunities for using PacBio Long-read Sequencing for COVID-19 Research | Meredith Ashby, PhD Director, Market Strategy for Microbial and Cancer Genomics, Pacific Biosciences |
| 17-Jun | 06:00 AM - 07:00 AM | | Enhanced, rapid NGS tools for viral research | Cris Kinross Global Market Development, Thermo Fisher Scientific |

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| 17-Jun | 06:00 - 07:00 AM | | Rapid Development of Multiplex Serological Assays for COVID-19 Beyond | Steve Angeloni Senior Field Applications Scientist, Luminex Nicole Pecora, MD, PhD Assistant Professor in Pathology and Laboratory Medicine at the University of Rochester Medical Center in Rochester NY |
| 17-Jun | 06:00 - 07:00 AM | | Role of serology in the next phase of COVID-19 investigation and response | Linfa Wang, PhD Professor & Director, Emerging Infectious Diseases Program, Duke-NUS Medical School, Singapore |
| 17-Jun | 07:30 - 08:30 AM | | Advanced solutions for viral detection and immune monitoring | Joel Guthridge, PhD Assistant Member, Arthritis and Clinical Immunology Director of Translational Informatics, Clinical Resources, Biorepository and Human Phenotyping Cores, Oklahoma Medical Research Foundation Petter Brodin, MD, PhD Associate Professor and consultant physician Science for Life Laboratory, Karolinska Institutet Department of Pediatric Rheumatology, Karolinska University Hospital, Stockholm |
| 17-Jun | 07:30 - 08:30 AM | | Development of Luminex Based Serological Test for COVID-19 Diagnosis and Monitoring | Imad Tarhoni, MD, PhD Postdoctoral Fellow at Rush University Medical Center in Chicago |
| 17-Jun | 07:30 - 08:30 AM | | Effective RNA extraction for COVID-19 testing | Gabriel Fernandez de Pierola General Manager - Genomics & Diagnostic Solutions Cytiva (formerly GE Life Sciences) Christopher Norey, PhD R&D Leader, Cytiva (formerly GE Healthcare Life Sciences) |
| 17-Jun | 09:00 - 10:00 AM | | Keynote Presentation: Another New Coronavirus?: The Coronaviruses of the 21st Century | Stephen S. Morse, PhD, FAAM, F.A.C.E. Professor of Epidemiology, Director, Infectious Disease Epidemiology Certificate, Columbia University, Mailman School of Public Health |
| 17-Jun | 10:30 - 11:30 AM | | Applications of Flow Cytometry and Imaging Flow Cytometry to COVID-19 Research | Haley R. Pugsley, PhD Manager, Senior Scientist Kamala Tyagarajan, PhD Director, Flow Cytometry Assays & Application |
| 17-Jun | 10:30 - 11:30 AM | | Sleep Better Without Testing Nightmares: Critical Considerations When Choosing an RT-PCR Assay for SARS-CoV-2 Testing | Arvind Kothandaraman General Manager, Specialty Diagnostics |
| 17-Jun | 10:30 - 11:30 AM | | Strategies and Challenges for COVID-19 Antibody Development | Jiahui Yang, PhD Director, R&D, Sino Biological |

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| 17-Jun | 12:00 - 01:00 PM | | High-Throughput Assay for Monitoring COVID19 Antibodies and Their Isotypes | Susan Zolla-Pazner, PhD Professor of Medicine, Division of Infectious Diseases Icahn School of Medicine at Mount Sinai |
| 17-Jun | 12:00 - 01:00 PM | | Luminex®: Flexible Solutions for SARS-CoV-2 Detection | Aaron P. Benfield, PhD Senior Director, Molecular Applications Sherry A. Dunbar, PhD, MBA Senior Director, Global Scientific Affairs |
| 17-Jun | 12:00 - 01:00 PM | | Panel discussion: Critical design considerations for COVID-19 rapid POC diagnostic test development | Klaus Hochleitner, PhD Global Technology Lead, Diagnostics, Cytiva Brendan O'Farrell, PhD President and Co-Founder, DCN Diagnostics Darren Rowles President and CEO, Sona Nanotech David Wilson Commercial Director, Diagnostics, Avacta Life Sciences Lee Jenkins Senior Product Leader, Cytiva |
| 17-Jun | 01:30 - 02:30 PM | | Harnessing the power of synthetic biology to combat COVID-19 | Dan Gibson, PhD CTO Krishna Kannan, PhD Staff Scientist Katie Lyons, MS Sr. Scientist |
| 17-Jun | 01:30 - 02:30 PM | | Insights into the Pathogenesis of COVID-19 as Revealed by Spatial Biology | Joseph M. Beechem, PhD CHIEF SCIENTIFIC OFFICER AND Senior Vice President Of Research and Development, NANOSTRING TECHNOLOGIES Christopher E. Mason, PhD Associate Professor of Genomics, Physiology, and Biophysics at Weill Cornell Medicine and the Director of the WorldQuant Initiative for Quantitative Prediction Robert E. Schwartz, PhD Assistant Professor of Medicine, Weill Medical College of Cornell University |
| 17-Jun | 01:30 - 02:30 PM | | Will we have a vaccine for COVID-19? 5 reasons for optimism! | Rob Kozak, PhD FCCM Clinical Microbiologist, Sunnybrook Health Sciences Centre, Associate Professor, Department of Laboratory Medicine and Pathobiology, University of Toronto |
| 17-Jun | 03:00 - 04:00 PM | | Accelerating vaccine development using a next generation microfluidic CE platform | Jeray Thelwell Mid-Atlantic and Southeast Biotherapeutics Solution Specialists |

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| 17-Jun | 03:00 - 04:00 PM | | COVID-19: Enrichment and analysis of rare antigen- and virus-specific T cells | Dr. Marcello Stein Global Marketing Manager - Translational Immunology, Miltenyi Biotec |
| 17-Jun | 03:00 - 04:00 PM | | Surgery as (Un)Usual: Development of Rodent Intracerebroventricular injection Capabilities During COVID-19 | Matthew Flegal, BS, SRS Associate Director, Charles River Laboratories |
| 17-Jun | 04:30 - 05:30 PM | | Critical raw material for mRNA-based vaccine development | Andrius Kočėvas Product Manager, Thermo Fisher Scientific |
| 17-Jun | 04:30 - 05:30 PM | | Patterns of Intrahost and Interhost variation in SARS-CoV-2 | Todd Treangen, PhD Assistant Professor of Computer Science, Department of Bioengineering, Rice University |
| 17-Jun | 12:00 - 12:05 AM | | Coronavirus Webinar Series; Understanding Diagnostic Modalities for SARS-CoV-2 | Jamie Evelyn Phillips, MS, PhD Sr. Scientific Affairs Manager, Roche Diagnostic Corporation |
| 17-Jun | 12:00 - 12:05 AM | | Setting up a Coronavirus (COVID-19) Clinical Diagnostic Testing Lab? LIMS for Automation and Data Management | Shonali Paul, MBA Chief Operating Officer, CloudLIMS.com |
| 17-Sep | 06:00 - 07:00 AM | | Keynote Presentation: The American Response to COVID-19: what went right, what went wrong | Ashish K. Jha, M.D., M.P.H. Dean, Brown University School of Public Health |
| 17-Sep | 07:30 - 08:30 AM | | Keynote Presentation: IHME Covid-19 projections for the US: Strategies to reduce the spread | Ali H. Mokdad, PhD Chief Strategy Officer, Population Health, University of Washington; Director, Middle Eastern Initiatives Professor, Health Metrics Sciences Institute for Health Metrics and Evaluation |
| 17-Sep | 09:00 - 10:00 AM | | Coronaviruses: History, Biology and Innate Immune Antagonism | Susan R. Weiss, PhD Professor and Vice Chair Department of Microbiology, Co-Director, Penn Center for Research on Coronaviruses and Other Emerging Pathogens Perelman school of Medicine University of Pennsylvania |
| 17-Sep | 09:00 - 10:00 AM | | Preclinical Optical Imaging of Infectious Diseases | Kevin Francis, PhD Divisional VP, Biology Solutions at PerkinElmer |

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| 17-Sep | 09:00 - 10:00 AM | | Purification of cells from SARS-CoV-2 convalescent samples and potentially infectious materials with fluorescent-activated cell sorting | Joe Ostrand, Ph.D. Flow Cytometry Specialist, Miltenyi Biotec |
| 17-Sep | 10:00 - 11:00 AM | | Keynote Presentation: Discovery of SARS-CoV-2 antivirals through large-scale repositioning studies | Sumit Chanda, PhD Director & Professor, Immunity & Pathogenesis Program, Sanford Burnham Prebys Medical Discovery Institute |
| 17-Sep | 11:00 - 12:00 PM | | Host and Viral Transcriptomes During COVID-19 Infection | Christopher E. Mason, PhD Associate Professor of Genomics, Physiology, and Biophysics at Weill Cornell Medicine and the Director of the WorldQuant Initiative for Quantitative Prediction |
| 17-Sep | 11:00 - 12:00 PM | | Innovative Reagent Solutions in Virology Research | Mathis Laffenetre Life Sciences Technology Platform Metabolic Diseases Reagents Leader Nicolas Pierre Life Sciences Technology Platforms Leader, Discovery Reagents |
| 17-Sep | 11:00 - 12:00 PM | | Lung-Chip - Accelerating Study of Viral Infection and Therapeutics | Lorna Ewart, PhD EVP European Scientific Liaison Emulate, Inc. |
| 17-Sep | 12:00 - 01:00 PM | | Advanced NGS solutions for SARS-CoV-2 monitoring and insights | Cris Kinross Global Market Development, Thermo Fisher Scientific |
| 17-Sep | 12:00 - 01:00 PM | | Antibody therapy against SARS-CoV-2: A Global Collaboration | Erica Ollmann Saphire, PhD Professor, La Jolla Institute for Immunology |
| 17-Sep | 12:00 - 01:00 PM | | Important considerations for choosing a SARS-CoV-2 assay | Arvind Kothandaraman General Manager, Specialty Diagnostics |
| 17-Sep | 01:00 - 02:00 PM | | Keynote Presentation: SARS-CoV-2 Susceptibility, Transmission and Reinfection in Domestic Cats | Jürgen A. Richt, DVM, PhD Regents Distinguished Professor at KSU, University Distinguished Professor, Director - Center on Emerging & Zoonotic Infectious Diseases (CEZID), NIH Center of Biomedical Research Excellence |

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| 17-Sep | 02:00 - 03:30 PM | | Keynote Presentation: The formation of an International Collaborative Network to find COVID-19 Therapeutics | Jacqueline Fabius Chief Operating Officer, Quantitative Biosciences Institute (QBI) Nevan Krogan, PhD Professor of Cellular and Molecular Pharmacology, UCSF, Principal Investigator, Gladstone Institute of Data Science and Biotechnology, Director of the Quantitative Bioscience Institute |
| 17-Sep | 03:30 - 04:30 PM | | Discovery of a druggable pocket in SARS-CoV-2 Spike: New avenue to defeat COVID-19? | Imre Berger Founder and Managing Director of the Max Planck Bristol Centre for Minimal Biology |
| 17-Sep | 03:30 - 04:30 PM | | Repurposing in COVID-19: Can we identify new antivirals | Sara Cherry, PhD Professor of Pathology and Laboratory Medicine and Microbiology, Perelman School of Medicine, University of Pennsylvania |
| 17-Sep | 03:30 - 04:30 PM | | SARS-CoV-2 Testing Today and a New Serology Approach For High Throughput Screening | Russell Garlick, PhD Chief Scientific Officer, LGC SeraCare Richard Hughes Associate Scientific Director at LGC Joel Lefferts, PhD, HCLD, DABCC Assistant Professor of Pathology and Laboratory Medicine, Geisel School of Medicine at Dartmouth and Assistant Director, Clinical Genomics and Advanced Technology (CGAT) Laboratory |
| 17-Sep | 04:30 - 05:30 PM | | COVID-19 T-Cell Data: Mapping Out SARS-CoV-2 Antigen & T-Cell Repertoires | Sean Nolan Distinguished Engineer Patrick Raber, PhD Senior Manager, Research and Business Development Thomas Snyder, PhD VP, Research, immunoSEQ Dx |
| 17-Sep | 04:30 - 05:30 PM | | Ultra-fast one-step RT-PCR protocol for the detection of SARS-CoV-2 | Brian McNally, PhD Chief Commercial Officer, Molecular Biology Systems, BV |
| 17-Sep | 12:00 - 12:05 AM | | Insights into SARS-CoV-2 Biology | Adolfo Garcia-Sastre, PhD Professor, Departments of Microbiology and Medicine, Tisch Cancer Center Icahn School of Medicine at Mount Sinai |
| 17-Sep | 12:00 - 12:45 AM | | Testing for SARS-CoV-2: The Cleveland Clinic Experience | Gary Procop, MD, MS Medical Director & Co-Chair, Enterprise Laboratory Stewardship Committee, Enterprise Medical Operations, & Director of Microbiology, Virology, Mycology & Parasitology, Cleveland Clinic |

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| 17-Sep | 12:00 - 12:05 AM | | The detection, characterization, and surveillance of the SARS-CoV-2 viral genome using hybridization capture-based NGS assay | Dorottya Nagy-Szakal, MD PhD Chief Medical Officer, Biotia, Research Assistant Professor, Department Cell Biology/College of Medicine, SUNY Downstate Health Sciences University |
| 3-Dec | 06:00 - 07:00 AM | | Keynote Presentation: Facial Masking for COVID-19: Transmission, Severity and Immunity | Monica Gandhi, MD, MPH Professor of Medicine and Associate Chief, Division of HIV, Infectious Diseases, and Global Medicine, UCSF, Director, UCSF-Gladstone Center for AIDS Research (CFAR) |
| 3-Dec | 07:30 - 08:30 AM | | Keynote Presentation: Prevalence of SARS-CoV-2 Immunity in Those Undiagnosed with COVID-19 in the U.S. | Matthew J. Memoli, MD, MS Director, LID Clinical Studies Unit, Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health |
| 3-Dec | 09:00 - 10:00 AM | | New! PerkinElmer® RT-PCR SARS-CoV-2 Solution Updates | Arvind Kothandaraman General Manager, Specialty Diagnostics |
| 3-Dec | 09:00 - 10:00 AM | | Transmission Dynamics of SARS-CoV-2: Inference and Projection | Jeffrey Shaman Professor of Environmental Health Sciences, Columbia University Mailman School of Public Health |
| 3-Dec | 10:00 - 10:30 AM | | Keynote Presentation: COVID-19 Projections for the United States | Ali H. Mokdad, PhD Chief Strategy Officer, Population Health, University of Washington; Director, Middle Eastern Initiatives Professor, Health Metrics Sciences Institute for Health Metrics and Evaluation |
| 3-Dec | 10:30 - 11:30 AM | | Accelerating vaccine development using a next generation microfluidic CE platform | Jeray Thelwell Mid-Atlantic and Southeast Biotherapeutics Solution Specialists |
| 3-Dec | 10:30 - 11:30 AM | | The Immunology of COVID-19: A dynamic immune signature for prognosis and spatial transcriptomics of lung tissue | Arutha Kulasinghe, PhD Peter Doherty NHMRC Early Career Fellow at the Queensland University of Technology (QUT) Miguel Muñoz-Ruiz, PhD PostDoc fellow at the Immunosurveillance Lab at the Francis Crick Institute |
| 3-Dec | 12:00 - 01:00 PM | | Advancing SARS-CoV-2 Diagnostics Through Standardization and Quantitation | Russell Garlick, PhD Chief Scientific Officer, LGC SeraCare Marc Salit, PhD Director, Joint Initiative for Metrology in Biology, Stanford University |
| 3-Dec | 01:30 - 02:30 PM | | Using an ARIES® Laboratory Developed Test for SARS-CoV-2 to Respond to the COVID-19 Pandemic in Louisville, KY | Leslie A. Wolf, PhD, HCLD (ABB) Division of Infectious Diseases University of Louisville |

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| 3-Dec | 03:00 - 04:00 PM | | Novel SARS-Cov-2 Neutralization Antibody test, performance and applications | Roumen Bogoev, MSc Head of Segment Marketing, GenScript USA |
| 3-Dec | 04:30 - 05:30 PM | | An Iterative Approach to Structure-based in silico to in vivo Development of Combinatorial Anti-SARS-CoV-2 Therapy | Garth D. Ehrlich, PhD, FAAAS Professor of Microbiology & Immunology, Professor of Otolaryngology-Head and Neck Surgery, Drexel University College of Medicine |
| 3-Dec | 12:00 - 12:45 AM | | COVID-19 RNA and DNA vaccines | Deborah Fuller, PhD Professor, Department of Microbiology, University of Washington School of Medicine, Division Chief, Infectious Diseases and Translational Medicine, Washington National Primate Research Center |
| 3-Dec | 12:00 - 12:45 AM | | Development, assessment and commercialization of serological SARS CoV-2 tests - an interdisciplinary success story | Mark Dürkop, PhD CEO Novasign GmbH, Project Lead BOKU - Department of Biotechnology, University of Natural Resources and Life Sciences, Vienna |
| 3-Dec | 12:00 - 12:45 AM | | Immunity, Aging and COVID-19 : where do we stand? | Janko Nikolich-Zugich, MD, PhD Bowman Professor and Head, Department of Immunobiology, Co-Director, University of Arizona Center on Aging, University of Arizona College of Medicine-Tucson |
| 3-Dec | 12:00 - 12:45 AM | | NGS Workflows for Studying Infectious Disease | Gary P. Schroth, PhD Vice President and Distinguished Scientist, Illumina, Inc. |
| 3-Dec | 12:00 - 12:45 AM | | Putting COVID-19 Into Context | Amesh A. Adalja, MD Senior Scholar, Johns Hopkins Center for Health Security |
| 3-Dec | 12:00 - 12:45 AM | | Recent insights into SARS-CoV-2 intra-host population dynamics | Todd Treangen, PhD Assistant Professor of Computer Science, Department of Bioengineering, Rice University |
| 14-Apr | 06:00 - 07:00 AM | | A two-pronged approach to tackle COVID-19: Lessons learned from temporal and spatial expression analysis of infected tissue | Eugenia Z. Ong, PhD Senior Research Fellow, Duke-NUS Medical School Singapore Joe Poh Sheng Yeong, MBBS PhD Mmed (Path) Associate Faculty, Institute of Molecular and Cell Biology (A*STAR) Singapore |
| 14-Apr | 06:00 - 07:00 AM | | Novel, high throughput test for detection of SARS-Cov-2 neutralizing antibodies | Shuting Xu, PhD Field Application Scientist |

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| 14-Apr | 07:30 - 08:30 AM | | Keynote Presentation: The impact of the New COVID-19 Variants and Vaccine Rollout on the pandemic | Ali H. Mokdad, PhD Chief Strategy Officer, Population Health, University of Washington; Director, Middle Eastern Initiatives Professor, Health Metrics Sciences Institute for Health Metrics and Evaluation |
| 14-Apr | 09:00 - 10:00 AM | | Keynote Presentation: What the NIH Serosurvey Tells Us So Far and Why We Should Try to Develop a Broadly Protective/Universal Beta-Coronavirus Vaccine | Matthew J. Memoli, MD, MS Director, LID Clinical Studies Unit, Laboratory of Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health |
| 14-Apr | 10:30 - 11:30 AM | | Keynote Presentation: New Vaccine and Antiviral Strategies for COVID-19 | Adolfo Garcia-Sastre, PhD Professor, Departments of Microbiology and Medicine, Tisch Cancer Center Icahn School of Medicine at Mount Sinai |
| 14-Apr | 12:00 - 01:00 PM | | New Challenges for SARS-CoV-2 Diagnostics: Viral Load Testing and Variant Strain Genotyping | Russell Garlick, PhD Chief Scientific Officer, LGC SeraCare Nathan A. Ledebor, PhD Professor and Vice Chair, Pathology; Medical Director, Medical College of Wisconsin |
| 14-Apr | 12:00 - 01:00 PM | | Solutions for SARS-CoV-2 Strain Lineage Surveillance | Stephen Jackson Associate Director, Product Applications Genetic Sciences Division, Thermo Fisher Scientific |
| 14-Apr | 01:30 - 02:30 PM | | Automated Solutions for SARS-CoV-2 Variant Identification and Surveillance | Subodh Nimkar Senior Product Manager, Complete Genomics Facility, MGI Anthony Tong, PhD Director of Product Management, BGI |
| 14-Apr | 01:30 - 02:30 PM | | Molecular Testing for the Detection and Strain Identification of SARS-CoV-2 | Manohar R. Furtado, PhD Director R&D, Thermo Fisher Scientific, Genetic Testing Solutions |
| 14-Apr | 03:00 - 04:00 PM | | NEXTFLEX® Variant-Seq™ SARS-CoV-2 Kit | Pedro Echave, PhD Global Leader, NGS Product Experts, PerkinElmer |
| 14-Apr | 03:00 - 04:00 PM | | Quick and Easy Sequencing of SARS-CoV-2 to Identify Variants of Concern | Jordan RoseFigura, PhD Director of Material Sciences, Swift Biosciences |

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| 14-Apr | 04:30 - 05:30 PM | | How RT-PCR Testing Allows Labcorp to Perform National SARS-CoV-2 Pandemic Surveillance | Brian Krueger, PhD Associate Vice President, Research and Development, Laboratory Corporation of America |
| 14-Apr | 12:00 - 12:45 AM | | Clarigene: a Pandemic Diagnostic Story | Michael Risley, PhD Chief Development Officer, Yougene Health |
| 14-Apr | 12:00 - 12:45 AM | | Is SNP Genotyping a Better Approach for Monitoring for Known Variants of Concern | Richard Michelmore Distinguished Professor and Director, The Genome Center, Genome and Biomedical Sciences Facility, University of California, Davis |
| 14-Apr | 12:00 - 12:45 AM | | New Technologies for Accessible, Durable and Broadly Protective Coronavirus Vaccines | Corey Casper, M.D., MPH CEO, IDRI; Clinical Professor of Medicine and Global Health, University of Washington; Affiliate Professor, Vaccine and Infectious Disease Division, Fred Hutch Cancer Research Center |
| 14-Apr | 12:00 - 12:45 AM | | SARS-CoV-2 - Dynamics of the COVID-19 Epidemic | Harm van Bakel, PhD Assistant Professor of Genetics and Genomic Sciences, Icahn School of Medicine at Mount Sinai |
| 14-Apr | 12:00 - 12:45 AM | | The Next Big Question: Genomic Surveillance of SARS-CoV-2 | Gary Schroth, Ph.D. Vice President and Distinguished Scientist, Illumina |
| 14-Apr | 12:00 - 12:45 AM | | The Rapid Development of COVID-19 Vaccines | Paul Goepfert Professor of Medicine, University of Alabama at Birmingham Director, Alabama Vaccine Research Clinic (AVRC) |
| 13-Oct | 06:00 - 07:00 AM | | Keynote Presentation: Discovery and Biology of Protective SARS-CoV-2 Human Monoclonal Antibodies | James Crowe, MD Director of the Vanderbilt Vaccine Center, Ann Scott Carell Professor of Pediatrics, Pathology, Microbiology and Immunology |
| 13-Oct | 07:30 - 08:30 AM | | Keynote Presentation: Impact of New Escape Variants and Waning Immunity on the Covid-19 Pandemic | Ali H. Mokdad, PhD Chief Strategy Officer, Population Health, University of Washington; Director, Middle Eastern Initiatives Professor, Health Metrics Sciences Institute for Health Metrics and Evaluation |

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| 13-Oct | 09:00 - 10:00 AM | | Keynote Presentation: Costly Closures: The Return on Investment in COVID-19 Prevention for Retail, School, Sports, and Entertainment | Blythe Adamson, PhD, MPH Founder and Epidemiologist, Infectious Economics, LLC |
| 13-Oct | 10:30 - 11:30 AM | | Altered MicroRNA Expression in COVID-19 Patients Accurately Identifies of SARS-CoV-2 Infection | Ryan Farr, PhD Research Scientist, Host Response Team, Health and Biosecurity (H&B) at the Australian Centre for Disease Preparedness (ACDP) , CSIRO |
| 13-Oct | 10:30 - 11:30 AM | | Spatial Transcriptomic Profiling of Severe COVID-19 Patients | Camilla Margaroli, PhD Department of Medicine; Division of Pulmonary, Allergy, and Critical Care University of Alabama at Birmingham |
| 13-Oct | 12:00 - 01:00 PM | | A Virtual Conversation with Dr. John Moore: COVID Vaccines and Variants | John P. Moore, PhD Professor of Microbiology and Immunology, Weill Cornell Medicine |
| 13-Oct | 01:30 - 02:30 PM | | Panel Presentation: Advantage of Absolute Quantification of Digital PCR in Wastewater Monitoring QIAGEN's Workflow Solutions for SARS-CoV-2 Surveillance | Dominic O'Neil, MS, MBA Director of Microbiome Product Development, QIAGEN Colin Donohoe, PhD Senior Scientist, Research and Development at QIAGEN |
| 13-Oct | 01:30 - 02:30 PM | | SARS-CoV-2 Related Workflow and Solutions: Detection and Genotyping | Manohar R. Furtado, PhD Director R&D, Thermo Fisher Scientific, Genetic Testing Solutions |
| 13-Oct | 03:00 - 04:00 PM | | Accelerating SARS-CoV-2 Genomic Surveillance with High-throughput NGS | James Caffrey, PhD, MBA Director Strategic Marketing, Genomics, QIAGEN |
| 13-Oct | 03:00 - 04:00 PM | | SARS-CoV-2 Neutralizing Antibody Testing for Vaccine Efficacy Assessment | Sean Taylor, MBA, PhD North American Field Application Scientist Manager, GenScript USA, Inc. |
| 13-Oct | 04:30 - 05:30 PM | | Delivering Insights by Analyzing Metagenomic NGS Data | Patrick Ettenhuber, PhD Product Owner |

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| 13-Oct | 04:30 - 05:30 PM | | New Diagnostic Tools to Fight the Pandemic - Screening and Syndromic Testing | Arvind Kothandaraman General Manager, Specialty Diagnostics |
| 13-Oct | 12:00 - 12:45 AM | | Rapid and Inexpensive Whole-Genome Sequencing of SARS-CoV-2 Using the "Midnight" Panel | Nikki Freed, PhD Lead at Auckland Genomics, University of Auckland, New Zealand |
| 13-Oct | 12:00 - 12:45 AM | | SARS-CoV-2 Evolution: Addition by Subtraction | Kevin R. McCarthy, PhD Assistant Professor, Department of Microbiology and Molecular Genetics, University of Pittsburgh School of Medicine Center for Vaccine Research |
| Oct 13 - Oct 5 | Oct 13 11:55 - Oct 5 11:55 PM | | Infectious Disease Diagnostics: A Critical Pandemic Preparedness Tool | Amesh A. Adalja, MD Senior Scholar, Johns Hopkins Center for Health Security |
| 13-Oct | 11:55 - 11:55 PM | | Low-Dose mRNA-1273 COVID-19 Vaccine Generates Durable Memory Enhanced by Cross-reactive T Cells | Daniela Weiskopf, PhD Research Assistant Professor, Center for Infectious Disease and Vaccine Research, La Jolla Institute for Immunology (LJI) |
| 13-Oct | 11:59 - 11:59 PM | | COVID Policy in the Vaccine Era | Jay Bhattacharya, MD, PhD Professor of Medicine, Stanford University |
| 4-May | 06:00 - 07:00 AM | | Keynote Presentation: Toward Universal Coronavirus Vaccines: From Concept to Clinic | Kayvon Modjarrad, MD, PhD Director, Emerging Infectious Diseases Branch Walter Reed Army Institute of Research Medical Officer, Civilian, Department of the Army, Associate Professor of Medicine, Uniformed Services University |
| 4-May | 07:30 - 08:30 AM | | Keynote Presentation: SARS-CoV2: Rapid Response Platforms for Pandemic Virus Control in the 21st Century | Ralph S. Baric, PhD Kenan Distinguished Professor of Epidemiology, Gillings School of Global Public Health and Microbiology and Immunology School of Medicine, University of North Carolina |
| 4-May | 09:00 - 10:00 AM | | Keynote Presentation: After the Mandates End: Preparing for the Next COVID-19 Variant | Abraham Flaxman, PhD Associate Professor, Health Metrics Sciences, Institute for Health Metrics and Evaluation (IHME), University of Washington |

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| 4-May | 10:30 - 11:30 AM | | Keynote Presentation: Covid-19: Variants Have Changed the Endgame | Professor Salim S. Abdool Karim, FRS Director: CAPRISA, CAPRISA Professor of Global Health: Department of Epidemiology, Mailman School of Public Health, Columbia University |
| 4-May | 10:30 - 11:30 AM | | Neuropathology of SARS-CoV-2 as Revealed by Spatial Biology | Susanne Krasemann, MD, PhD Group Leader, Institute of Neuropathology at the University Medical Center Hamburg-Eppendorf, UKE; Head of the Core Facility, Experimental Pathology "Mouse Patho", UKE |
| 4-May | 12:00 - 01:00 PM | | Panel Presentation: Responding to SARS-CoV-2 Variants, such as Omicron: Detection and Surveillance | Jelena Feenstra, PhD Senior Manager, Global Scientific Communications, Thermo Fisher Scientific Vanessa Lacey, PhD Staff Scientist, Molecular Biology, Clinical Applications, Thermo Fisher Scientific |
| 4-May | 01:30 - 02:30 PM | | Panel Presentation: Advance your High-Throughput Workflow with Sample Preparation and Automation | Hannah Saunders Manager, Clinical Sample Preparation R&D, Thermo Fisher Scientific Fan Liu, PhD Staff Engineer, Systems Design, Thermo Fisher Scientific Lillie Manley Scientist III, Clinical Sample Preparation R&D, Thermo Fisher Scientific |
| 4-May | 01:30 - 02:30 PM | | Panel Presentation: Optimized Sample Processing and NGS Techniques for Wastewater-Monitoring of SARS-CoV-2 | Dominic O'Neil, MS, MBA Director of Microbiome Product Development, QIAGEN Jonathan Shaffer, PhD, MBA Director, R&D, NGS Assay Technologies, QIAGEN |
| 4-May | 03:00 - 04:00 PM | | Deep Spatiotemporal Insights into COVID-19: a Multi-organ Study | Arutha Kulasinghe, PhD NHMRC Research Fellow, The University of Queensland |
| 4-May | 05:30 - 05:30 AM | | COVID Testing: The Key to the Beginning, Middle & End of the Global Pandemic | Mara G. Aspinall Managing Director, Health Catalysts Group and Professor of Practice, Biomedical Diagnostics, Arizona State University |
| 4-May | 05:30 - 05:30 AM | | COVID: How Did We Get Here and Where Are We Going? | Andrew Noymer, PhD Epidemiologist and Population Health Scientist, Associate Professor, Department of Population Health and Disease Prevention, University of California, Irvine |
| 4-May | 05:30 - 05:30 AM | | Epistatic Interactions Among SARS-CoV-2 Spike Amino Acids Required for Viability of Variants of Concern | Jeremy Luban, MD Professor, David J. Freelander Chair in AIDS Research, Program in Molecular Medicine, Biochemistry & Molecular Biotechnology, University of Massachusetts Medical School |

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| 4-May | 05:30 - 05:30 AM | | Neuropathology of SARS-CoV-2 Infection in Aged Non-human Primates | Tracy Fischer, PhD Associate Professor, Tulane National Primate Research Center, Division of Comparative Pathology |
| 4-May | 05:30 - 05:30 AM | | Top 10 Lessons Learned from COVID with a Focus on Minority Populations and a Way Forward | Peter Chin-Hong, MD Associate Dean, Regional Campuses, Professor of Medicine, Division of Infectious Diseases, University of California, San Francisco |
| 19-Oct | 06:00 - 07:00 AM | | Keynote Presentation: A Newcastle Disease Virus-Based COVID-19 Vaccine with Live Q&A | Adolfo Garcia-Sastre, PhD Professor, Departments of Microbiology and Medicine, Tisch Cancer Center Icahn School of Medicine at Mount Sinai |
| 19-Oct | 06:45 - 07:45 AM | | Detection of SARS-CoV-2 Neutralizing Antibodies with GenScript's SARS-CoV-2 Surrogate Virus Neutralization (sVNT) Test | Amanda Grimm, PSM Senior Segment Marketing Manager-ADD, GenScript USA Inc |
| 19-Oct | 07:30 - 08:30 AM | | Keynote Presentation: The Direct and Indirect Impact of the COVID-19 Pandemic on Children with Live Q&A | Scott A. Rivkees, MD Professor of Practice and Vice Chair, Department of Health Services, Policy and Practice Brown University School of Public Health |
| 19-Oct | 08:15 - 09:15 AM | | Influenza: An Underestimated Threat | Dr. Ari Frenkel Chief Science Officer, Arkstone Medical Solutions |
| 19-Oct | 09:00 - 10:00 AM | | Keynote Presentation: The Future of Covid-19: Expectations and Lessons with Live Q&A | Ali H. Mokdad, PhD Chief Strategy Officer, Population Health, University of Washington; Director, Middle Eastern Initiatives Professor, Health Metrics Sciences Institute for Health Metrics and Evaluation |
| 19-Oct | 09:45 - 10:45 AM | | Microbial Air Monitoring Facilitates Disease Surveillance and Outbreak Response | Eric Clement Arakel Global Project Manager for Sartorius |
| 19-Oct | 10:30 - 11:30 AM | | Keynote Presentation: SARS-CoV-2 and COVID-19: Natural History, Diagnosis and Monitoring: Lessons Learned with Live Q&A | Yvonne (Bonnie) Maldonado, MD Senior Associate Dean for Faculty Development and Diversity, Taube Endowed Professor of Global Health and Infectious Diseases, Professor of Pediatrics and of Epidemiology and Population Health, Chief, Division of Pediatric Infectious Diseases, Stanford University School of Medicine, Medical Director, Infection Prevention and Control and Attending Physician, Lucile Packard Children's Hospital at Stanford |

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| 19-Oct | 12:00 - 01:00 PM | | Keynote Presentation: Advancing Toward Recovery from Post-Acute Sequelae of SARS-CoV-2 Infection (PASC): The NIH RECOVER Initiative with Live Q&A | Walter Koroshetz, MD Director of the National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health |
| 19-Oct | 01:00 - 02:00 PM | | Panel Presentation: COVID-19 Testing: Results and Recommendations from the Coronavirus Standards Working Group | Marc Salit, PhD Director, Joint Initiative for Metrology in Biology, Stanford University Eric Morreale, PhD Director of Product Management at LGC Clinical Diagnostics |
| 19-Oct | 01:30 - 02:30 PM | | A Phase 1 Trial of Cyclosporine for Hospitalized Patients with COVID-19 | Julia Han Noll, MS University of Pennsylvania |
| 19-Oct | 06:00 - 06:00 AM | | Evolution of SARS-CoV-2 | Kei Sato, PhD Professor, The Institute of Medical Science, University of Tokyo |
| 19-Oct | 06:00 - 06:00 AM | | mRNA Variant Vaccines as a Second Boost: results from the COVID-19 Variant Immunologic Landscape Trial (COVAIL Trial) | Nadine Rouphael, MD Professor of Medicine, Infectious Diseases Division, Department of Medicine, Emory University, Executive Director, Hope Clinic |
| 19-Oct | 06:00 - 06:00 AM | | SARS-CoV-2 Interactions with the Host Innate Immune Response and the Ubiquitin System | Ricardo Rajsbaum, PhD. Associate Professor, Department of Medicine, Director, Center for Virus-Host-Innate Immunity (CVHII), Institute for Infectious and Inflammatory Diseases, Rutgers University, New Jersey Medical School Cancer Center |
| 19-Oct | 06:00 - 06:00 AM | | Sex Differences and Effects of Pregnancy on Symptoms and Severity of COVID-19 | Sabra L. Klein, PhD Professor, Department of Molecular Microbiology & Immunology, Biochemistry & Molecular Biology and International Health, John Hopkins Bloomberg School of Public Health, Co-director, Center for Women's Health, Sex, and Gender Research |
| 19-Oct | 06:00 - 06:00 AM | | Variant-Resistant Antibody Recognition from a Global Consortium | Erica Ollmann Saphire, PhD Professor, La Jolla Institute for Immunology |