<table>
<thead>
<tr>
<th>Date</th>
<th>Time PDT</th>
<th>Track</th>
<th>Presentation Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>2-Apr</td>
<td>6:00-7:00 AM</td>
<td>Prevention, Containment and Treatment of CoVID-19 Cases</td>
<td>A Multi-Omic Approach to Detection and Characterization of Viral Pathogens and Their Impact on the Immune System</td>
<td>Bill Hunt, MS Director, Microfluidics Product Management, Fluidigm Andrew Quong, PhD Chief Science Officer, Fluidigm</td>
</tr>
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<td>2-Apr</td>
<td>6:00-7:00 AM</td>
<td>Laboratory tests in CoVID-19 diagnosis and treatment</td>
<td>Enhanced. Rapid Target Identification by NGS for Vaccine Development</td>
<td>Cris Kinross Global Market Development, Thermo Fisher Scientific</td>
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<tr>
<td>2-Apr</td>
<td>7:30-8:30 AM</td>
<td>The Origins and Symptoms of CoVID-19</td>
<td>COVID-19: Putting together the pieces of the pandemic</td>
<td>Rowshanak Hashemiyoon, PhD Clinical Scientist, Author, Consultant</td>
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<td>2-Apr</td>
<td>7:30-8:30 AM</td>
<td>The Origins and Symptoms of CoVID-19</td>
<td>From Hendra to Wuhan: emerging bat-borne viruses in a quarter of century</td>
<td>Linfa Wang, PhD Professor &amp; Director, Emerging Infectious Diseases Program, Duke-NUS Medical School, Singapore</td>
</tr>
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<td>2-Apr</td>
<td>8:30-9:30 AM</td>
<td>Laboratory tests in CoVID-19 diagnosis and treatment</td>
<td>Laboratory Diagnosis of SARS-CoV-2 Infections: Current Status</td>
<td>Yi-Wei Tang, MD, PhD, F(AAM), FIDSA China Chief Medical Officer of Cepheid at the Danaher Diagnostic Platform in Shanghai</td>
</tr>
<tr>
<td>2-Apr</td>
<td>8:30-9:30 AM</td>
<td>Prevention, Containment and Treatment of CoVID-19 Cases</td>
<td>Rapid Discovery of Therapeutic Antibodies for SARS-CoV-2 and Other Viral Pandemics</td>
<td>Anupam Singhal Product Manager, Antibody Therapeutics, Berkeley Lights, Inc.</td>
</tr>
<tr>
<td>2-Apr</td>
<td>10:00-11:00 AM</td>
<td>Laboratory tests in CoVID-19 diagnosis and treatment</td>
<td>Laboratory Tests for CoVID-19</td>
<td>Jun Wu, PhD Associate Professor, Pathology, Vice Director of Clinical Laboratory Medicine Center, Shanghai General Hospital, affiliated to Shanghai Jiaotong University</td>
</tr>
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<td>2-Apr</td>
<td>10:00-11:00 AM</td>
<td>Prevention, Containment and Treatment of CoVID-19 Cases</td>
<td>SARS-CoV-2 (CoVID-19: Emergence, Biology, and Countermeasures)</td>
<td>Mark R. Denison, MD Director, Division of Infectious Diseases, Craig-Weaver Professor of Pediatrics, Professor of Pathology, Microbiology &amp; Immunology, Professor at Vanderbilt University</td>
</tr>
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<td>2-Apr</td>
<td>11:30-12:30 PM</td>
<td>Laboratory tests in CoVID-19 diagnosis and treatment</td>
<td>COVID-19 infection mechanism, tools for testing and therapeutic antibody development</td>
<td>Manzhu Kang, PhD Senior Scientist of Antibody Research Group at GenScript ProBio Sean Taylor Manager of the Field Applications Group at GenScript USA, Inc</td>
</tr>
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<td>2-Apr</td>
<td>11:30-12:30 PM</td>
<td>Laboratory tests in CoVID-19 diagnosis and treatment</td>
<td>Implementation of Molecular Diagnostics for SARS-CoV-2</td>
<td>Li Jiang, MD, PhD Sichuan Academy of Medical Sciences &amp; Sichuan Provincial People's Hospital Sichuan Provincial Center for Clinical Laboratories (SPCCL)</td>
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**2-Apr**

**6:00-7:00 AM**
- Prevention, Containment and Treatment of CoVID-19 Cases
  - A Multi-Omic Approach to Detection and Characterization of Viral Pathogens and Their Impact on the Immune System
    - Bill Hunt, MS
    - Andrew Quong, PhD

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  - Enhanced. Rapid Target Identification by NGS for Vaccine Development
    - Cris Kinross

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  - COVID-19: Putting together the pieces of the pandemic
    - Rowshanak Hashemiyoon, PhD

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  - From Hendra to Wuhan: emerging bat-borne viruses in a quarter of century
    - Linfa Wang, PhD

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- Laboratory tests in CoVID-19 diagnosis and treatment
  - Laboratory Diagnosis of SARS-CoV-2 Infections: Current Status
    - Yi-Wei Tang, MD, PhD, F(AAM), FIDSA

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- Prevention, Containment and Treatment of CoVID-19 Cases
  - Rapid Discovery of Therapeutic Antibodies for SARS-CoV-2 and Other Viral Pandemics
    - Anupam Singhal

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- Laboratory tests in CoVID-19 diagnosis and treatment
  - Laboratory Tests for CoVID-19
    - Jun Wu, PhD

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| 2-Apr | 1:00-2:00 PM | Laboratory tests in CoVID-19 diagnosis and treatment | 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 | 1:00-2:00 PM | Prevention, Containment and Treatment of CoVID-19 Cases | Rapid Response to the Coronavirus Outbreak: How Collaboration Meets the Challenge  
Geert Koene, PhD  
Biosearch Technologies Market Segment Manager MDx, LGC |
| 2-Apr | 2:30-3:30 PM | Laboratory tests in CoVID-19 diagnosis and treatment | 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 | 2:30-3:30 PM | Laboratory tests in CoVID-19 diagnosis and treatment | 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 | 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-Jun | 6:00-7:00 AM | Enhanced, rapid NGS tools for viral research | Cris Kinross  
Global Market Development, Thermo Fisher Scientific |
| 17-Jun | 6:00-7:00 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 | 6:00-7:00 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 |
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| 17-Jun| 7:30-8:30 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| 7:30-8:30 AM  | Development of Luminex Based Serological Test for COVID-19 Diagnosis  | Imad Tarhoni, MD, PhD  
               (Postdoctoral Fellow at Rush University Medical Center in  
               Chicago) |
| 17-Jun| 7:30-8:30 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| 9:00-10:00 AM | Keynote Presentation: Another New Coronavirus?: The Coronaviruses of  | 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 | 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  | Arvind Kothandaraman  
               (General Manager, Specialty Diagnostics) |
|       |               | When Choosing an RT-PCR Assay for SARS-CoV-2 Testing                |            |
| 17-Jun| 10:30-11:30 AM| Strategies and Challenges for COVID-19 Antibody Development        | Jiahui Yang, PhD  
               (Director, R&D, Sino Biological) |
| 17-Jun| 12:00-1:00 PM | High-Throughput Assay for Monitoring COVID19 Antibodies and Their  | Susan Zolla-Pazner, PhD  
               (Professor of Medicine, Division of Infectious Diseases  
               Icahn School of Medicine at Mount Sinai) |
|       |               | Isotypes                                                           |            |
| 17-Jun| 12:00-1:00 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) |
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<tr>
<td>17-Jun</td>
<td>12:00-1:00 PM</td>
<td>Panel discussion: Critical design considerations for COVID-19 rapid POC diagnostic test development</td>
<td>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 Moderator: Lee Jenkins Senior Product Leader, Cytiva</td>
</tr>
<tr>
<td>17-Jun</td>
<td>1:30-2:30 PM</td>
<td>Harnessing the power of synthetic biology to combat COVID-19</td>
<td>Dan Gibson, PhD CTO Krishna Kannan, PhD Staff Scientist Katie Lyons, MS Sr. Scientist</td>
</tr>
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<td>17-Jun</td>
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<td>Insights into the Pathogenesis of COVID-19 as Revealed by Spatial Biology</td>
<td>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 Schwartz, PhD Assistant Professor of Medicine and of the Department of Physiology, and Biophysics, and Systems Biology, Weill Cornell Medicine</td>
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<td>17-Jun</td>
<td>1:30-2:30 PM</td>
<td>Will we have a vaccine for COVID-19? 5 reasons for optimism!</td>
<td>Rob Kozak, PhD FCCM Clinical Microbiologist, Sunnybrook Health Sciences Centre, Associate Professor, Department of Laboratory Medicine and Pathobiology, University of Toronto</td>
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<td>17-Jun</td>
<td>3:00-4:00 PM</td>
<td>Accelerating vaccine development using a next generation microfluidic CE platform</td>
<td>Jeray Thelwell Mid-Atlantic and Southeast Biotherapeutics Solution Specialists</td>
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<tr>
<td>17-Jun</td>
<td>3:00-4:00 PM</td>
<td>COVID-19: Enrichment and analysis of rare antigen- and virus-specific T cells</td>
<td>Marcello Stein, PhD Global Product Manager and Group Leader Immunology T cells</td>
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<td>17-Jun</td>
<td>3:00-4:00 PM</td>
<td>Surgery as (Un)Usual: Development of Rodent Intracerebroventricular injection Capabilities During COVID-19</td>
<td>Matthew Flegal, BS, SRS Senior Manager InVivo Sciences, Charles River</td>
</tr>
<tr>
<td>17-Jun</td>
<td>4:30-5:30 PM</td>
<td>Critical raw material for mRNA-based vaccine development</td>
<td>Andrius KoÄ­evas Product Manager, Thermo Fisher Scientific</td>
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| 17-Jun | 4:30-5:30 PM | Patterns of Intrahost and Interhost variation in SARS-CoV-2 | Todd Treangen  
Assistant Professor, Computer Science, Rice University, Co-Lead COVID-19 International Research Team (COV-IRT) |