## Day 1 Agenda
### Tuesday, 1 September 2020

<table>
<thead>
<tr>
<th>Time (SGT)</th>
<th>Presentation</th>
<th>Speaker</th>
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<tr>
<td><strong>Opening Session</strong></td>
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| 10:30 – 10:45 | Opening Session                                  | Klaus Bischoff, 
Vice President and Head of Research Solutions, Merck KGaA  
Patrick Schneider, PhD  
Head of Strategy, Business Development and Innovation, Merck KGaA                                                                                                    |
| **Keynote Speaker**                                    |                                                                                                                                         |                                                                                                                                                                                                 |
| 10:45 – 11:30 | COVID-19 Vaccine Development                      | Jerome H. Kim, M.D. 
Director General, International Vaccine Institute, South Korea                                                                                                                                            |
| **Theme 1: Science of Infectious Diseases**            |                                                                                                                                         |                                                                                                                                                                                                 |
| 11:30 – 12:00 | What Makes Us Sick - The Virus or Our Response to Infection?                         | Eng Eong Ooi, BMBS, PhD, FRCPatdh  
Deputy Director, Emerging Infectious Diseases Programme, Duke-NUS, Singapore                                                                                                                                  |
| 12:00 – 12:30 | Immune Responses in Severe COVID-19 Patients      | Dexi Chen, PhD  
Director, Beijing Institute of Hepatology, Capital Medical University, China                                                                                                                                 |
| **Digital Booth Tour**                                 |                                                                                                                                         |                                                                                                                                                                                                 |
| 12:30 – 12:45 |                                                                                                                                         |                                                                                                                                                                                                 |
| 12:45 – 13:15 | Infectious Disease Epidemiology in Current Times: Germ Theory Inside the Black Box?                                                 | Sujatha Sunil, PhD  
Group Leader, Vector-Borne Diseases, International Centre for Genetic Engineering and Biotechnology                                                                                                      |
| 13:15 – 13:45 | The Interplay Between Dengue Morphological Diversity and Antibody Recognition                                                        | Shee-Mei Lok, PhD  
Head of Virology Laboratory, DUKE-NUS Medical School, Singapore                                                                                                                                            |
| 13:45 – 14:15 | Live Panel Discussion : Science of Infectious Diseases                                               | Heather Hargett, PhD  
Moderator, Merck KGaA                                                                                                                                                                                            |
| **Break : Digital Booth Tour**                          |                                                                                                                                         |                                                                                                                                                                                                 |
| 14:15 – 14:30 |                                                                                                                                         |                                                                                                                                                                                                 |
| **Theme 2: Economics of Disease Control & Considerations for Public Health** |                                                                                                                                         |                                                                                                                                                                                                 |
| 14:30 – 15:00 | Ten Healthcare Trends Post COVID-19                | John Cai, PhD  
Director, Center for Health Management and Policy, China                                                                                                                                               |
| 15:00 – 15:30 | The Challenges of Real-Time Modelling of a Pandemic                                              | James Trauer, PhD  
Head of Epidemiological Modelling Unit, School of Public Health and Preventive Medicine, Monash University, Australia                                                                                                            |
| **Digital Booth Tour**                                 |                                                                                                                                         |                                                                                                                                                                                                 |
| 15:30 – 15:45 |                                                                                                                                         |                                                                                                                                                                                                 |
| 15:45 – 16:15 | Comparative Analysis of Covid-19 Cumulative Infection Predictive Models                                                                      | Erfan Ibrahim, PhD  
Founder and CEO of The Bit Bazaar LLC (TBB)                                                                                                                                                                |
| 16:15 – 16:45 | Live Panel Discussion : Economics of Disease Control                                               | Farhad Shafei, PhD  
Moderator, Merck KGaA                                                                                                                                                                                            |

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.
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| 10:00 - 10:30 | SalivaDirect Simple and Sensitive Molecular Diagnostic Test for SARS-CoV-2 Surveillance | Anne Wyllie, PhD  
Associate Research Scientist in Epidemiology, Weinberger Lab, Yale School of Public Health, Yale University |
| 10:30 – 11:00 | Connecting the Dots between Personalized and Precision Medicines | Debojyoti Chakraborty, PhD  
Head of RNA Biology Laboratory, CSIR-Institute of Genomics and Integrative Biology, India |
| 11:00 – 11:30 | Anatomy of a Diagnostic Test | Sidney Yee, PhD  
CEO, Diagnostics Development Hub and Senior Advisor at A*celerate, Singapore |
| 11:30 – 11:45 | Rapid and Accurate Detection of Novel Coronavirus SARS-CoV-2 Using Crispr-Cas3 | Tomoji Mashimo, PhD  
Director of Laboratory Animal Research Center, The University of Tokyo, Japan |
| 12:00 – 12:25 | Combining Immunodiagnostics and Immunotherapy for Clinical Management of Infectious Complications in Transplant Patients | Rajiv Khanna, PhD, FAHMS  
Head of Tumour Oncology Laboratory, QIMR Berghofer Medical Research Institute, Australia |
| 12:45 – 13:15 | Live Panel Discussion: Diagnosis & Innovation during a Pandemic | Vibhu Jain, PhD  
Moderator, Merck KGaA |
| 13:15 – 13:30 | Digital Booth Tour | |
| 13:30 – 14:00 | Global Consortium for Leishmania Vaccine Development | Sanjay Singh, PhD  
CEO, Gennova Biopharmaceuticals Ltd, Pune, India |
| 14:00 – 14:30 | Development of Vaccine for Preventing Novel Coronavirus | Ryuichi Morishita, MD, PhD  
Founder, AnGes Inc. Osaka University, Japan |
| 14:45 – 15:15 | Towards vaccine facility of the future: Shifting the paradigm of vaccine process development and manufacturing post pandemic | Anissa Boumilic-Courtade, PhD  
Merck Process Solutions, Merck KGaA |
| 15:15 – 15:45 | The Development of Covaxin | Krishna M Ella, PhD  
Managing Director, Bharat Biotech International Limited |
| 15:45 – 16:15 | Live Panel Discussion: Vaccine & Therapeutics Development | Farhad Shafiei, PhD & Vibhu Jain, PhD  
Moderators, Merck KGaA |
| 16:15 – 16:45 | Closing Session | |