



Day 1: Thursday, 1 October, 2020

11:00	Welcome and framing of Day 1	Sarah Teichmann
11:05	Keynote: COVID-19: Pathophysiology and staging of a new disease — Implications for clinical management	Carlos Cordon-Cardo
11:25–12:25	Session 1: Medicine and Systems Biology Leveraging the host response to SARS-CoV-2 to identify effective therapies for COVID-19 Immune dysregulation in pediatric COVID-19 and MIS-C Inborn errors of immunity to SARS-CoV-2 Cell atlas technologies for COVID-19 analysis Q&A panel with Session 1 speakers	Chair: Jonah Cool Ben tenOever Sarah Henrickson Jean-Laurent Casanova Sarah Teichmann
12:25	Break	
12:40–13:35	Session 2: Beyond the Airway The secret life of SARS-CoV-2 in the kidney and beyond Single cell profiling of SAR-CoV-2 entry receptor expression in the gut of HIV-infected individuals SARS-CoV-2 and heart injury Q&A panel with Session 2 speakers	Chair: Musa Mhlanga Anna Greka Henrik Kloverpris Dan Meng
13:35	Day 1 takeaways and closing remarks	Aviv Regev, Sarah Teichmann

Day 2: Friday, 9 October, 2020

11:00	Welcome and framing of Day 2	Aviv Regev
11:10–12:00	Session 3: Immunology Multi-omics profiling of COVID-19 peripheral blood cells Understanding SARS-CoV-2 pathogenesis: Seq-ing answers to COVID-19 The Oxford COMBAT consortium Q&A panel with Session 3 speakers	Chair: Alexandra-Chloé Villani Muzlifah Haniffa Catherine Blish Paul Klenerman
12:00	Break	
12:15–13:10	Session 4: Human Genetics and Systems Biology Latest updates from the COVID-19 host genetics initiative Cross-talk between the airway epithelium and activated immune cells determines severity in COVID-19 Cell atlases to understand COVID-19 across the body Q&A panel with Session 4 speakers	Chair: Fabian Theis Andrea Ganna Roland Eils Aviv Regev
13:10	Day 2 closing remarks	Aviv Regev, Sarah Teichmann