Diagnostic Strategy for the COVID-19 Pandemic – Bench to Bedside to Blueprint for Policymakers

11–11:10    **Welcome & Introduction to the Diagnostic Excellence Summit (Dean Rothman & David Newman-Toker)**

The mission of the Armstrong Institute Center for Diagnostic Excellence is to catalyze efforts to improve diagnostic performance, develop the science of diagnostic safety and enhance diagnostic research. Today's virtual conference seeks to promote engagement and action in partnership with aligned individual and organizational stakeholders working toward a shared vision of diagnostic excellence.

11:10–noon  **State-of-the-Art Science of SARS-CoV-2 Diagnostics (Y. Manabe)**

The first segment of the conference, led by Yukari Manabe of the infectious diseases division and the Center for Global Health, will feature a panel of basic science, laboratory medicine and infectious disease experts discussing current and future diagnostics for the SARS-CoV-2 virus. Topics will include current and future molecular tests, point-of-care rapid diagnostic tests and convalescent serologies. Audience members will have the opportunity to submit questions electronically in advance and during the panel.

noon–1    **Patient & Provider Perspectives on Diagnosis in the COVID Era (S. Peterson, K. McDonald)**

The second segment of the conference, led by Susan Peterson of the emergency medicine department and Kathryn McDonald of the Armstrong Institute Center for Diagnostic Excellence, will focus on real-world clinical experiences and research with both COVID and non-COVID disease diagnosis in the COVID context. The session will enable audience members to choose from among a palette of round-robin virtual breakout rooms on diverse topics such as telehealth diagnostic triage in the COVID era, point-of-care lung ultrasound for COVID diagnosis, or the impact of COVID fears on patients in need of diagnosis. Experts from infectious disease, emergency medicine, hospital medicine, diagnostic excellence and public policy will lead these "shift and share" participatory breakout group discussions, each lasting 10–15 minutes.

- Breakout #1 - Point-of-Care Lung Ultrasound in the Diagnosis and Stratification of Patients with COVID-19 (**R. Omron & T. Fong)**
- Breakout #2 - Telehealth Diagnostic Triage of Patients in the Era of COVID **(D. Gold & J. Greengold)**
- Breakout #3 - Being a Patient in the Midst of a Pandemic: Experiences Seeking COVID and non-COVID Care **(K. Gleason, K. McDonald & J. Newman-Toker)**
- Breakout #4 - Preparing for the "Second Wave" of COVID Diagnosis **(J. Sharfstein)**
- Breakout #5 – Clinical Data Repurposed for Diagnosing and Tracking the Outbreak **(H. Lehmann & A. Hassoon)**

1–1:50    **Public Health and Diagnosis During the COVID-19 Pandemic (J. Sharfstein)**

This third and final segment of the conference, led by Joshua Sharfstein of the Johns Hopkins Bloomberg School of Public Health, will feature a panel of clinical, public health and public policy experts discussing an overall strategy to address both COVID and non-COVID disease diagnosis across different levels of the

public health response. Audience members will have the opportunity to submit questions electronically in advance and during the panel.

1:50–2    **Closing remarks (D. Newman-Toker)**