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Achieving Excellence in Sepsis Diagnosis: A Workshop

Virtual Workshop Agenda (Eastern Standard Time)

August 27, 2020	
10:00 am	Welcome and Opening Remarks Andrew Bindman, University of California, San Francisco Planning Committee Chair
10:05 am	The Vision for Diagnostic Excellence in Health Care and Sepsis Moderator: Andrew Bindman, University of California, San Francisco A Framework for Diagnostic Excellence <ul style="list-style-type: none"> Harvey V. Fineberg, Gordon and Betty Moore Foundation Panelists: <ul style="list-style-type: none"> J. Michael Gaziano, Million Veteran Program and Harvard Medical School Abraham Verghese, Stanford University Helen Haskell, Mothers Against Medical Error and Consumers Advancing Patient Safety Panel Discussion
11:00 am	Session 1: Challenges and Opportunities in Sepsis Diagnosis Moderator: Saul Weingart, Tufts University Overview of Clinical and Basic Science in Sepsis Diagnosis and Definitions <ul style="list-style-type: none"> Manu Shankar-Hari, Guy's and St Thomas' NHS Foundation Trust and King's College London Epidemiology of Sepsis and Its Impact on Vulnerable Populations <ul style="list-style-type: none"> Kristina Rudd, University of Pittsburgh Importance of Early Sepsis Diagnosis for Clinical Care and Patient Outcomes <ul style="list-style-type: none"> Emanuel Rivers, Henry Ford Hospital Panel Discussion
12:00 pm	Break
12:10 pm	Session 2: Novel Biomarkers and Molecular Diagnostics Moderator: Laura Evans, University of Washington Achieving Excellence in Sepsis Diagnosis: "Pathogen Detection" <ul style="list-style-type: none"> Steve Opal, Brown University

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	<p>Diagnosing Aberrant Host Immune Response</p> <ul style="list-style-type: none"> Nuala Meyer, University of Pennsylvania <p>Biomarkers of Organ Dysfunction</p> <ul style="list-style-type: none"> John Marshall, University of Toronto <p>Challenges in Building a Diagnostic for Sepsis</p> <ul style="list-style-type: none"> Timothy Sweeney, Inflammatix Inc. <p>Panel Discussion</p>
1:10 pm	Lunch Break
1:40 pm	<p>Session 3: Machine Learning and Artificial Intelligence Tools Moderator: Gari Clifford, Emory University and Georgia Institute of Technology</p> <p>Data Sourcing/Quality and Reliability</p> <ul style="list-style-type: none"> Christopher Seymour, University of Pittsburgh <p>Building and Assessing Machine Learning Algorithms</p> <ul style="list-style-type: none"> Shamim Nemati, University of California, San Diego <p>Human Factors in Machine Learning and Artificial Intelligence</p> <ul style="list-style-type: none"> Raj Ratwani, Medstar Health <p>Real World Deployment</p> <ul style="list-style-type: none"> Suchi Saria, Johns Hopkins University <p>Panel Discussion</p>
2:40 pm	Break
2:50 pm	<p>Session 4: System Improvement Efforts for Diagnostic Excellence Co-moderators: Laura Evans, University of Washington and Kathryn McDonald, Johns Hopkins University</p> <p>Collaborative Quality Improvement Initiatives for Sepsis Diagnosis</p> <ul style="list-style-type: none"> Hallie Prescott, University of Michigan <p>Innovative Health System Approaches to Improving Sepsis Diagnosis</p> <ul style="list-style-type: none"> Vincent Liu, Kaiser Permanente <p>Policy Context and Approaches to Improving Sepsis Diagnosis</p> <ul style="list-style-type: none"> Jeremy Kahn, University of Pittsburgh

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	Panel Discussion
3:50 pm	Break
4:00 pm	Session 5: A Vision of the Future for Sepsis Diagnosis Moderator: Derek Angus, University of Pittsburgh Panelists: <ul style="list-style-type: none"> • Daniel Yang, Gordon and Betty Moore Foundation • Laura Evans, University of Washington • Christine Goeschel, MedStar Health • Foster Gesten, Health Care Consultant • Michael D. Howell, Google Health Panel Discussion
5:00 pm	Workshop Wrap-Up Andrew Bindman, University of California, San Francisco Planning Committee Chair
5:05 pm	Adjourn