



Monday, May 22, 6:00 - 8:30 PM
Welcome Dinner (Location TBD)

Tuesday, May 23, 8:00 AM - 4:30 PM
Research Symposium (MGH at Assembly Row, Rooms 3E22 & 3E21)

8:00 - 8:30 AM Breakfast

8:30 - 10:00 AM COVID AI Symposium: Opening

8:30 - 8:45 AM Welcome and Introduction

8:45 - 9:15 AM Defining a New Clinical Syndrome: Challenges and Opportunities – Dr. Andrea Foulkes

9:15 - 9:45 AM ACT to ENACT: Moving From Cohort Discovery to Research – Dr. Shyam Visweswaran

9:45 - 10:00 AM Q&A

10:00 - 10:20 AM Coffee Break

10:20 AM - 12:00 PM Cohort Selection

10:20 - 10:50 AM Cases and Controls in EHR long COVID studies - Dr. Zack Strasser & Alaleh Azhir

10:50 - 11:00 AM Q&A

11:00 AM - 12:00 PM Interactive Sessions

Computational structure and case definitions with ENACT

This track is more suitable for attendees who want to do hands-on work with the data

- Computational structure for today installed on the participants' laptops
- Shrine query demonstration for selecting cases and controls
- Review how to prepare data from i2b2 to be used by MLHO
- Creating incidence-level data for cases

Promoting federated analytics within the Networks

Example of ENACT
Session 1

12:00 - 1:00 PM Lunch Break

1:00 - 2:00 PM Temporal Machine Learning Primer

1:00 - 1:45 PM Leveraging temporal ML framework for implementing the WHO definition of long COVID on MLHO formatted data - Dr. Hossein Estiri & Jonas Huegel

1:45 - 2:00 PM Q&A



2:00 - 3:00 PM Application of Temporal Machine Learning - Interactive Sessions

**Applying WHO definition of long COVID
using MLHO on synthetic data**

This session is more suitable for
attendees who want to do hands-on
work with the data

**Promoting federated analytics within the
Networks**

Example of ENACT
Session 2

3:00 - 3:20 PM Coffee Break

3:20 - 4:30 PM Closing

- Vision for the next collaborative work
- Opportunities for performing federated temporal machine learning
- Opportunities for Scientific Papers
- Q&A, Feedback, and Next Symposium