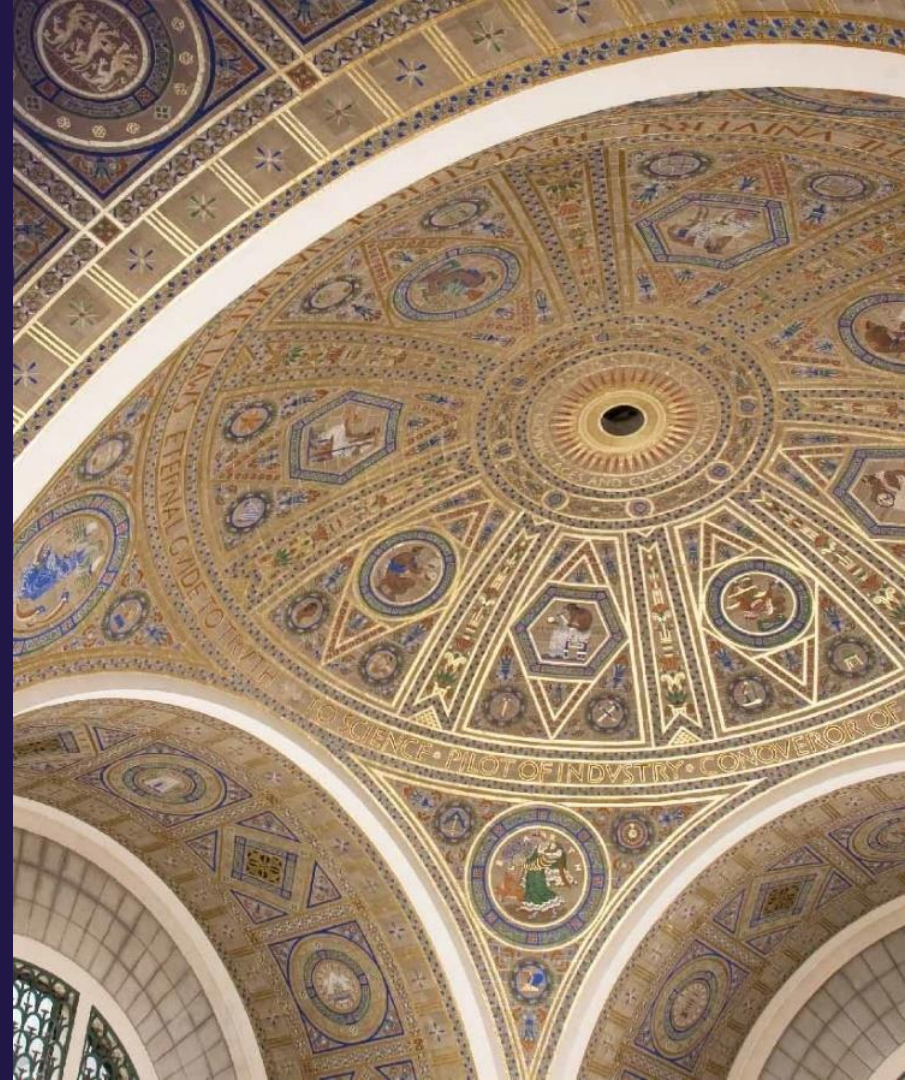
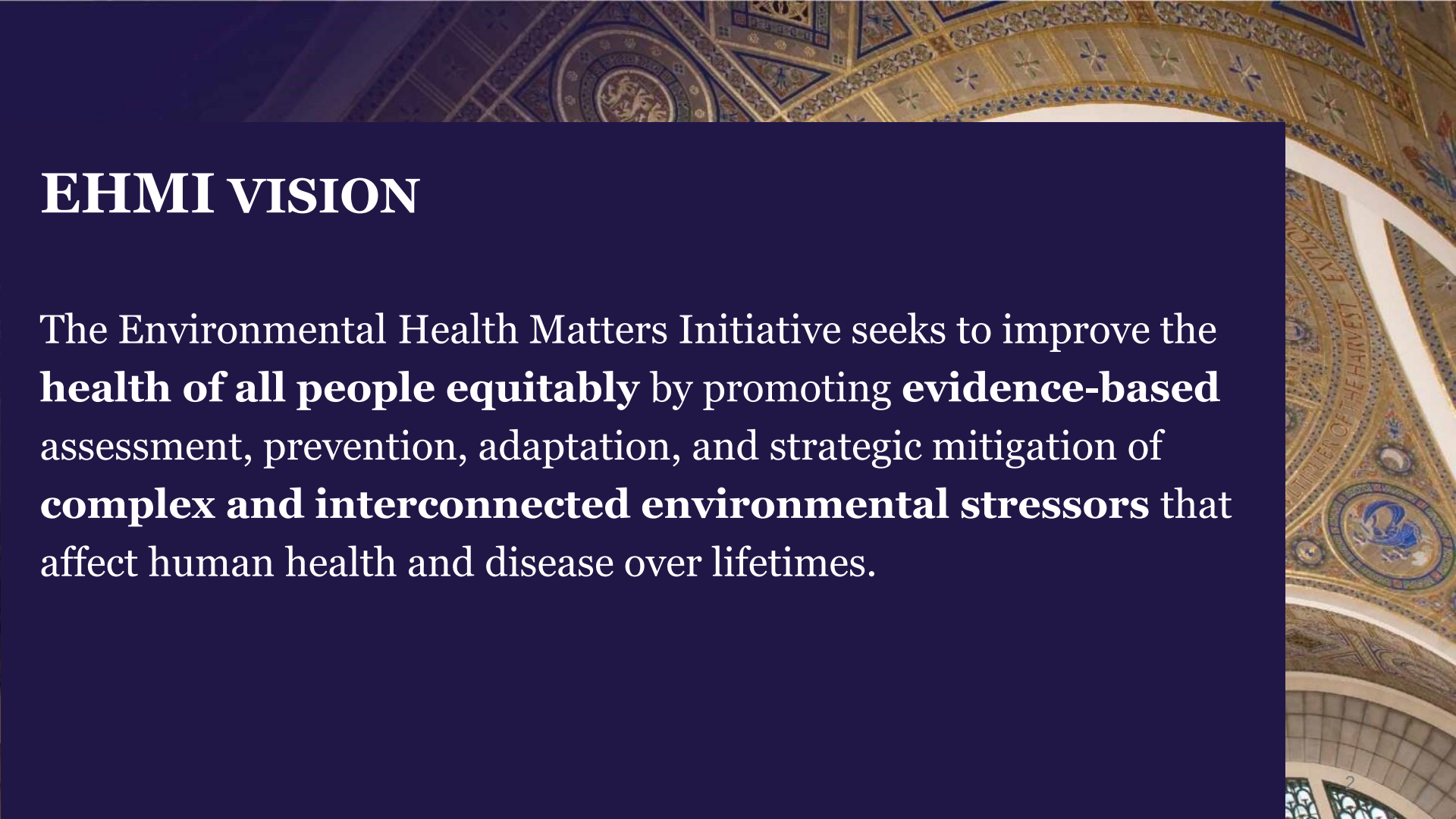


Overview of the Environmental Health Matters Initiative

Linsey Marr, Ph.D.
Professor
Virginia Tech

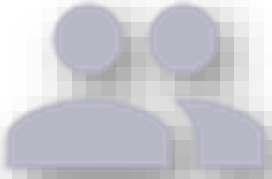


The background of the slide is a photograph of a highly ornate, vaulted ceiling. It features intricate mosaics in shades of blue, gold, and white, along with circular frescoes depicting various figures and scenes. The architecture is classical, with a series of arches creating a sense of depth and grandeur.

EHMI VISION

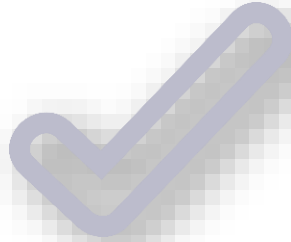
The Environmental Health Matters Initiative seeks to improve the **health of all people equitably** by promoting **evidence-based** assessment, prevention, adaptation, and strategic mitigation of **complex and interconnected environmental stressors** that affect human health and disease over lifetimes.

The EHMI Provides...



CONNECTION

The unique ability to convene stakeholders from different backgrounds, sectors, institutions, and scientific disciplines.



CREDIBILITY

A long organizational history of working in the environmental health field.



STEWARDSHIP

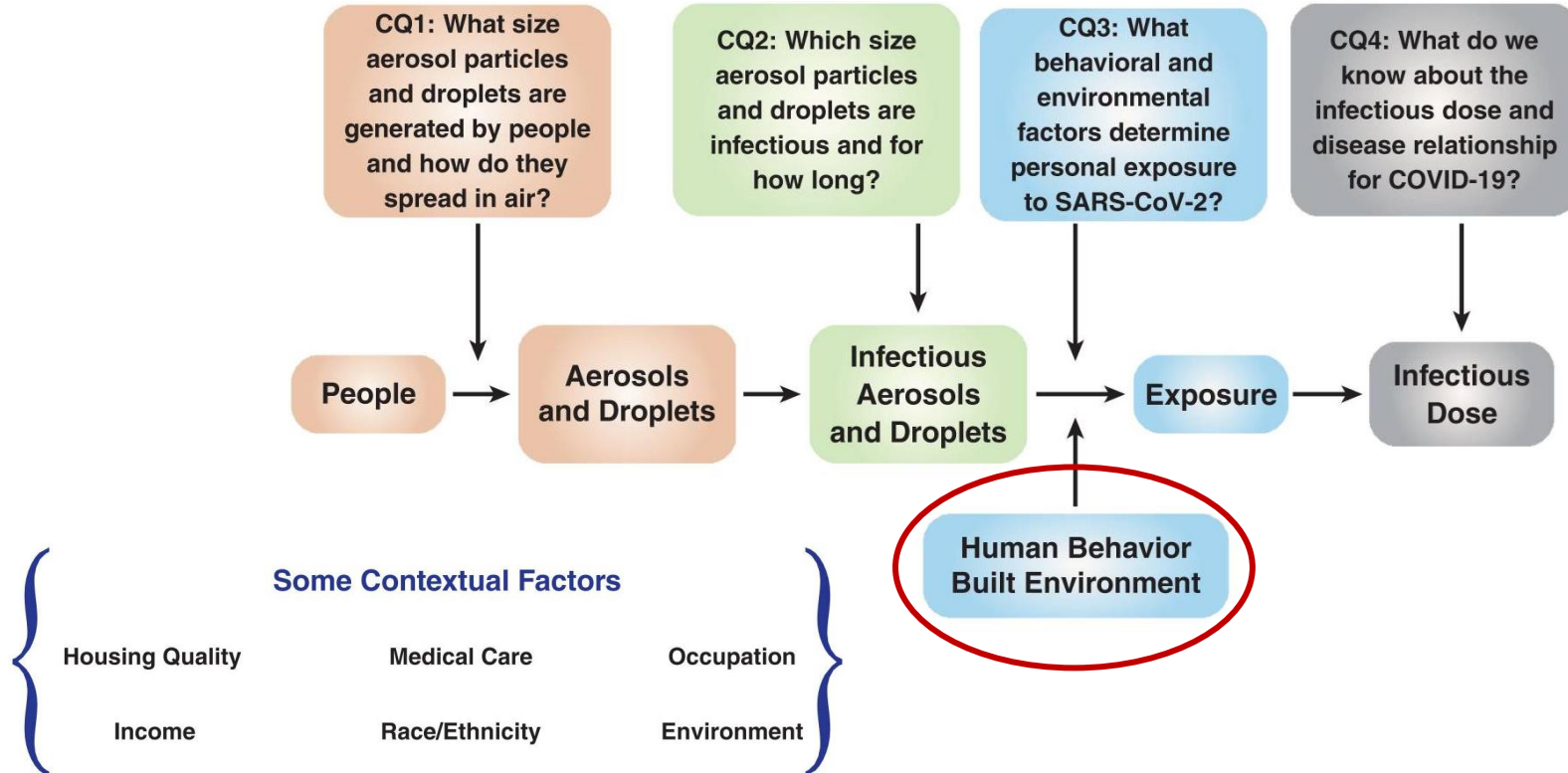
Leadership from an experienced program and advisory committees with experts from government, business, and academia.



NEUTRALITY

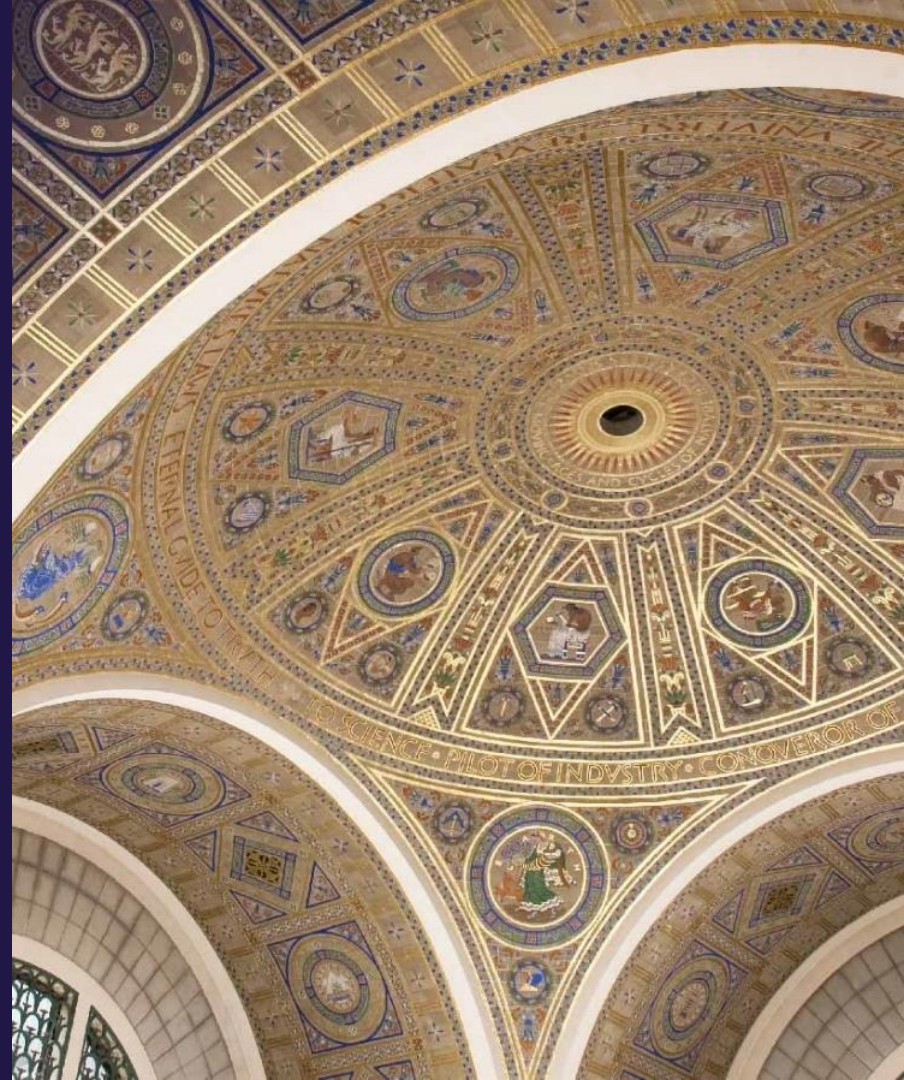
A neutral, nonpartisan space where stakeholders can share insights.

EHMI Workshop on Airborne Transmission, 2020: Framework and Key Questions



Overview of the Indoor Air Management of Airborne Pathogens

A Workshop Series



Workshop Series Planning Committee

Linsey Marr (Co-Chair)

Virginia Tech

Jonathan M. Samet (Co-Chair)

Colorado School of Public Health

Theresa Chapple-McGruder

Oak Park Department of Public Health

James W. Fox

Transportation Safety and Security
consultant and Former AGM System Safety
at SEPTA

John McCarthy

Environmental Health and Engineering, Inc

Catherine Noakes

University of Leeds

Lucas Rocha-Melogno

ICF

Monica Schoch-Spana

Johns Hopkins Center for Health Security

Jeffrey M. Vincent

University of California, Berkeley

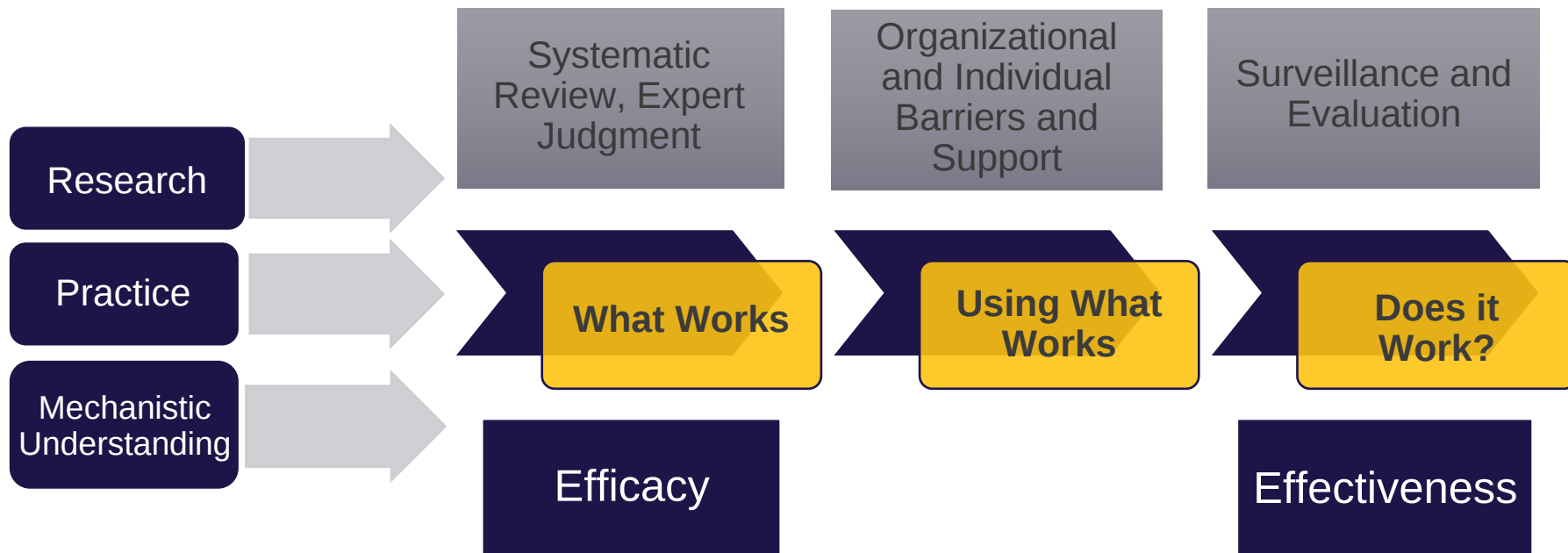
Goals of the Workshop Series

Drawing on lessons learned and new research on indoor air management since 2020, this workshop series will convene an interdisciplinary and multisectoral group of natural, physical, and social scientists together with facilities managers, ventilation engineers, and representatives of populations using public and private facilities.

Through panel discussions and participatory exercises, the participants will:

1. Review the state of knowledge concerning building management, ventilation, and air cleaning for airborne pathogens;
2. Discuss experiences with management of enclosed spaces during the pandemic; and
3. Identify promising practices to be adopted to make these places safer.

Discussion Framework



Workshop #1



NATIONAL ACADEMIES Sciences
Engineering
Medicine

**Environmental Health
Matters Initiative**
*Indoor Air Management of Airborne
Pathogens: A Virtual Workshop Series*

Virtual Workshop
**Indoor Air Management of Airborne Pathogens:
Lessons, Practices, and Innovations**

August 18, 2022 | 11:30AM - 3:30PM EDT

Key Takeaways from Workshop #1

1. Masking, ventilation, filtration, and UV reduce the amount of virus in the air and thus reduce the risk of transmission.
2. We need to start with the basics, ensuring that our existing engineering systems are appropriately designed, sized, and operating. Then optimization and innovation.
3. Implementation requires attention to human factors.

Workshop #2



NATIONAL ACADEMIES
Sciences
Engineering
Medicine

Indoor Air Management of Airborne Pathogens: Back to School

SEPTEMBER 14, 2022 | 12:00-3:00 PM ET

Key Takeaways from Workshop #2

1. There is tremendous variation in school buildings and engineering controls and components from school to school.
2. There are three main engineering controls in school buildings that have been shown to work: ventilation, filtration, and germicidal UV. We must continually assess and verify effectiveness.
3. Equitable distribution of resources is needed at the national scale.
4. Implementation remains a critical barrier for schools.

Goal of Workshop #3



- Identify promising practices to be adopted at different levels to make access to public transportation equitable and safe

Agenda at a Glance

Session 1

State of knowledge concerning research regarding public transportation safety and management to reduce transmission of airborne pathogens equitably.

Session 2

Case studies - On-the-ground experience

Session 3

Barriers to implementation and roles for different stakeholders at the Federal, State, and Local levels and in the non-government sector.

Session 1: State of the Knowledge

Moderator

Cath Noakes, University of Leeds

Speakers

- **Susan Grant-Muller, University of Leeds**
- **Jody Holton, SEPTA**

Panelists

- **Madeleine Parker, UC Berkeley**
- **Jason DeGraw, Oak Ridge National Lab**