

TRANSFORMING MEDICAL RESEARCH

Training and Mentorship Program

OVERVIEW AND AGENDA

September 8-29, 2022



Learn how we can advance scientific and medical research so that it protects and benefits both people and animals.

In this training program, we'll outline how we can advance evidence-based modern, ethical research founded on primary prevention, justice, and the interdependent connections between humans, other animals, and the environment.

This program is divided into four weekly sessions (starting at 4 pm MT), with each session lasting 90 minutes. The sessions will take place in Zoom meetings via Project ECHO's platform.

Each session will include

- Presentations on the week's topic (30 minutes)
- Case study exploration (30 minutes)
- Topic and case study discussions and recommendations

TARGET AUDIENCE:

This program is perfect for advocates and learners from

- human and veterinary medicine
- the social and biological sciences
- public health
- law, policy, and ethics

LEARNING OBJECTIVES:

- Discuss the strengths and limitations of *The Belmont Report's* ethical principles and existing and potential applications.
- Describe how the ethical principles described in *The Belmont Report* and technological advancements can be used to transform medical research.
- Explore opportunities to advance evidence-based inter-professional and cross-sectoral interventions to transform and improve medical research for people and animals.

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COMPETENCIES:

- Understand how ethics and evidence can influence research policy.
- Discuss the history of human and animal research policies and practices.
- Describe advancements in medical research and opportunities for further advancements.
- Advocate for policies and practices that advance ethics, science, and medicine.
- Integrate scientific information, legal approaches, ethical frameworks, and various stakeholder interests.

THE SESSION AGENDAS:

Week 1 (9/8/22): The Belmont Report: Its History, Principles, and Applications

This session will provide an introduction to the course and to the history of human and animal research policies and practices, and ethical principles of research.

Week 2 (9/15/22): Technological Advancements in Medical Research

This session will review the legal requirements involved in advancements in medical research; the validity and reliability of using animal research to guide human medical advancements; and the current state of technological advancements and aspirational ideas for the future.

Week 3 (9/22/22): Vulnerable Populations in Research: The Relevance of Consent and Risk

This session will illustrate the relevance of risk and consent in medical research, with a focus on non-consenting subjects exposed to non-beneficial research, minimal risk standards, and vulnerable subjects.

Week 4 (9/29/22): Ethics, Policy, and Action: Ways to Transform Medical Research

This session will examine ways to transform medical research in academic institutions and industry through educational and career paths, influencing publishing standards, enforcing transparency and creating funding shifts, and creating a roadmap for the future.

For more information, and to register:

<https://www.phoenixzonesinitiative.org/transforming-medical-research-training>