



CESMEL Health Workshop Announcement

Clinical Research Overview with focus on Clinical Laboratory Readiness in the Context of Health Emergencies

~~February 17th to 28th, 2025~~

**DATE
CHANGE**

March 24th to April 4th, 2025

Duration: Two weeks
Format: In Person



Introduction

The advancement in healthcare and preparedness for global health emergencies are driven by responsible clinical research, particularly in changing and crisis-prone environments. The need for high-quality clinical research becomes even more urgent during health emergencies, where timely and accurate data is essential for decision-making. Although the global clinical research environment is evolving rapidly, resource-limited settings continue to face social, ethical, and regulatory challenges that limit the conduct of scientifically sound good quality clinical research. Training researchers and academicians on the importance of clinical research under One Health approach addressing the linkages between human, animal, and environmental health, especially in health emergency contexts, is a critical step for preparedness and resilience.

CESMEL Health, in collaboration with the Center for Research in Therapeutic Science (CREATES), Strathmore University, Nairobi, Kenya, is launching a training program designed to empower health professionals with the knowledge, skills and abilities required to conduct responsible clinical research, focusing on clinical laboratory improvements following Good Clinical Laboratory Practice (GCLP) standards. With an emphasis on emergency readiness, this training will prepare participants to generate consistent, reproducible, auditable, and reliable data, crucial for effective healthcare and clinical research in both routine and crisis situations

Key Learning objectives

- Equip participants with the knowledge and skills required to conduct responsible clinical research under One Health approach.
- Enable participants to define, describe and understand all elements of a scientifically sound clinical research in the context of health emergency.
- Strengthen participants' capacity to incorporate and implement the minimal globally required GCLP standards at academic and research institutions' laboratories.
- Apply knowledge and skills acquired on GCLP implementation to strengthen other research institutions and laboratories at the national and community levels, enhancing preparedness and resilience in emergency contexts.
- Empower participants with fundamental leadership and management skills required to sustain built capacity in clinical research through continuous monitoring, process improvements and emergency readiness

Content of the training

Designed to strengthen participants' knowledge, skills, and abilities in clinical research using a One Health approach, in the context of health emergencies, the workshop focuses on enabling a robust understanding of the key elements in clinical research with emphasis on building, strengthening, and sustaining resilient high quality clinical laboratory for both routine diagnosis and in crisis situations as described in the training modules below:

- 1. Introduction to Clinical Research:** An overview on clinical research that will include but not limited to its history, clinical research team composition, Good Clinical Practice (GCP) and Good Manufacturing Practice (GMP), regulations and compliance, ethical principles, research ethics and legal issues.
- 2. Good Clinical Laboratory Practice (GCLP) Standards Implementation:** A multi-module course tailored towards research institutions' laboratories to equip participants with an in-depth understanding of GCLP standards and to implement its principles effectively and efficiently in clinical research at resource limited settings.
- 3. Emergency Preparedness:** Adapting clinical research and laboratory standards to health emergencies such as infectious disease outbreaks and pandemic using a One Health approach, is a critical step for preparedness and resilience.
- 4. Hands-On Simulations on Key Laboratory Processes:** Conduct hands-on emergency simulations that allow participants to apply GCLP standards under hypothetical crisis scenarios.

Post-Workshop Benefits

Participants will join a network specifically for emergency response collaboration, for participants to connect with peers and share real-time solutions, resources, and updates. To sustained strengthened capacity in clinical research and laboratory readiness in the context of health emergencies, the following post training engagement activities for participants will be available:

- Providing an Emergency Lab Readiness Digital Toolkit. Summarizes key protocols for lab readiness and response in emergencies.
- Hosting a live Interactive Q&A on Emergency Preparedness session. Trainees can ask questions, share initial challenges, and gain expert insights on applying GCLP standards in emergencies.
- Organizing Participant-Led Webinar on Emergency Preparedness. Trainees present their experiences in implementing emergency protocols or share challenges.

Target Audience

The training targets health and research professionals at academic and research institutions, laboratory and technical experts, decision-makers, and public health officials directly or indirectly involved in clinical research and health emergency response. It is also ideal for young scientists in the health care sector who seek to enhance their knowledge and skills in a fast-evolving clinical research space. Eligible participants should be interested in understanding the conduct of responsible, scientifically sound clinical research to produce accurate, reliable, and reproducible data for routine healthcare and in the context of health emergencies.

Training Format

The training will include interactive lectures and practical exercises to deepen skills. The hands-on approach ensures participants gain the theoretical knowledge and practical skills required in clinical research and laboratory readiness in the context of health emergencies.

Registration

- Fee: **USD 3,899** - Fees include tuition, course materials, accommodation, and breakfast and lunch for the duration of the training. Travel or other expenses are not included. Note that Payment should be in full before registration is confirmed – Any cancellation may attract some fee.
- Deadline for registration & payment: **March 1st, 2025**
- Complete registration form at: <https://shorturl.at/ijjKH>

**For more information,
please contact:
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