

2024 WDCM

Workshop and training courses on ***pathogen resources preservation and genome data sharing***

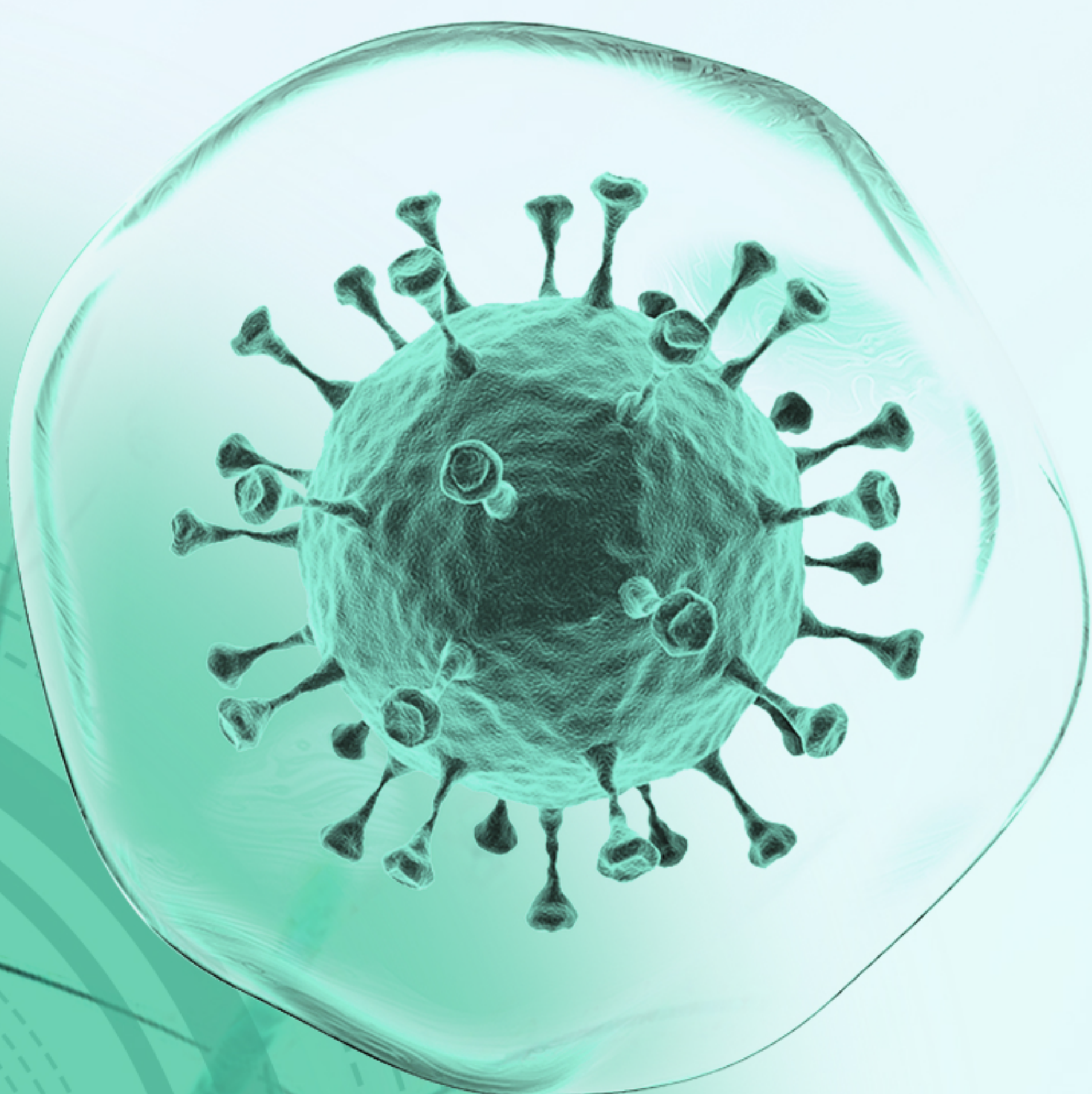
🕒 11th → 13th October 2024

📍 Zhuhai • China

Biobanks are essential infrastructure for public health surveillance. It enables systematic and timely access to quality pathogenic biological materials. Genetic sequence data (GSD) within the pathogens contribute to global health surveillance to provide evidence-based risk assessment strategy and facilitate the development of innovative drugs and vaccines. Genomic information has become essential information to share during public health emergencies. The World Health Organization (WHO) has initiated a global initiative to establish a framework and platform for member states to increase their local capacity to cope with such a trend. However, establishing such infrastructure in developing countries presents a lot of challenges.

The technical arm of the WHO International Agency for Research on Cancer (IARC) has created the Biobank & Cohort Building Network (BCnet) to provide support for the establishment of such facilities in low-middle income countries to cope with future genomic-base public health control demands. Quality sample culture collections for pathogens play an important role in pathogen resources and their associated genomic data. However, a lack of uniform global standards on how samples should be handled, and disparities between regions have presented challenges for such implementations.

Therefore, strengthening the understanding of the limitations and challenges for developing countries to establish such infrastructure is fundamental to closing the gaps in global health disparities. Therefore, workshop and training courses specializing in developing countries focusing on the capacities of pathogen resources preservation and genome data sharing will facilitate the integration of global health in the context of applying genomic data in global health surveillance.



»»» Global Open Science in Microbiology :

WDCM ²⁰²⁴ **Workshop and training courses**



Workshop ◀◀◀

Strengthening Developing World Against Infectious Diseases

- ◆ Biobanks for Pathogens
- ◆ Global Catalogue of pathogen resources
- ◆ Genomic data for infectious disease surveillance and prediction
- ◆ Benefit sharing for pathogen resources and genomic data (Digital sequence information)
- ◆ Global BRC for pathogens

🕒 **11th → 13th October 2024**

📍 **Zhuhai • China**

▶▶▶ **Training courses - Topics**

- Standards and technologies for pathogen resources preservation ◆
- International protocol on benefit sharing ◆
- Data standards and data management for pathogen resources ◆
- Genomic data analysis for pathogen identification and data analysis ◆
- Lab tours for pathogen BRC ◆

ORGANIZERS

- 📄 WFCC-MIRCEN World Data Center for Microorganisms (WDCM)
- 📄 World Health Organization International Agency for Research on Cancer Biobank & Cohort BuildingNetwork (WHO-IARC Biobank)
- 📄 National Microbiology Data Center (NMDC)
- 📄 National Pathogen Resource Center (NPRC)