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Modern tools to understand the molecular epidemiology of infectious diseases

Molecular epidemiology evolves out of the integration of epidemiology and molecular biology. It extends traditional epidemiology studies by incorporating genetic and molecular measures as biomarkers of exposure, risk, and prognosis. This workshop introduces the concepts, principles, and use of genetic methods in modern epidemiologic research.

Biography

Ming Zhang received her PhD (Summa Cum Laude) from University of Gottingen, Germany. She has over a decade's experience in infectious diseases, in particular in HIV molecular epidemiology and molecular evolution. She is an Assistant Professor of Epidemiology at University of Georgia, USA, and affiliated with Faculty of Infectious Diseases, Institute of Bioinformatics, and Biomedical and Health Sciences Institute at University of Georgia. She leads an interdisciplinary research group towards understanding pathogen diversity under various epidemiology settings.

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