

BASIC MOLECULAR BIOLOGY MODULE 1: BASIC SCIENCE

AN ONLINE LEARNING COURSE
AVAILABLE ON WWW.CDC.TRAIN.ORG

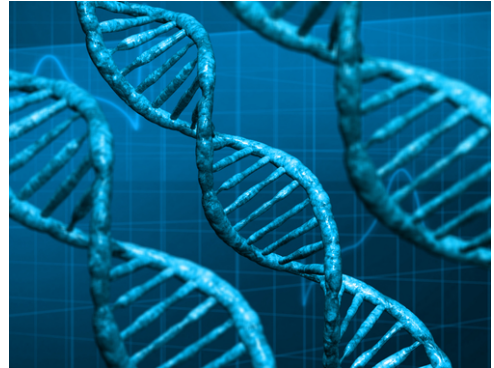
Sponsored by the
Division of Laboratory Systems,
Center for Surveillance, Epidemiology and Laboratory Services,
Centers for Disease Control and Prevention



DESCRIPTION

Molecular techniques have been widely used in clinical diagnosis, e.g., diagnosing disease, predicting disease course, and identifying infectious agents. This basic Molecular Biology course series will introduce the scientific background for molecular diagnosis, the principles of laboratory settings, and common methods.

This basic-level eLearning course, Module 1, provides information on the fundamental characteristics of DNA and RNA, nucleotide base-pairing rules, and the basic techniques and workflow applied in molecular diagnostics.



AUDIENCE

This online course is designed for public health and clinical laboratory staff, and persons interested in the basic science of molecular biology.

SPECIAL NEEDS

Course content is closed captioned, where applicable, and optimized for a screen reader.

FREE REGISTRATION

- Locate the course online at www.cdc.gov/labtraining
- Follow the link to register for the course in TRAIN
- If you have difficulty with the online registration process, please email labtraining@cdc.gov

OBJECTIVES

At the conclusion of this course, the participant will be able to:

- Identify techniques in molecular diagnostics
- Identify the workflow of molecular diagnostics
- Predict the DNA sequences based on base-pairing rules
- Differentiate the characteristics of DNA and RNA
- Identify the process of DNA replication and RNA transcription

CONTINUING EDUCATION

The Centers for Disease Control and Prevention, Division of Laboratory Systems is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.[®] Program. This course is approved for 1.0 contact hours. P.A.C.E.[®] course number: 288-001-19

For a complete list of courses, visit www.cdc.gov/labtraining.