

USING BIOINTERACTIVE RESOURCES AND THE SCIENCE PRACTICES TO SUPPORT STUDENT UNDERSTANDING OF MOLECULAR AND CLASSICAL GENETICS

A Free Workshop for Biology Teachers

Presented by HHMI BioInteractive and Arkansas Education Service Cooperatives

June 2024

FACILITATORS: ANN BROKAW AND DEANNA DIGITALE-GRIDER

During this workshop, we'll explore free HHMI BioInteractive resources as part of a lesson sequence focused on helping students understand the relationship between molecular biology and classical genetics by exploring genetic diseases. Using best practices, we will demonstrate how three-dimensional phenomenon-driven instruction makes student thinking and learning visible. Along the way, we'll engage with several science practices, including modeling, analyzing data, and constructing explanations as we model classroom implementation strategies to help students build mastery of genetics and prepare for the ATLAS biology assessment.

Audience: HS Biology (introductory, AP/IB, etc.) & 8th Grade Science Teachers

Breakfast and lunch will be provided. Breakfast will be available at 8:30 AM, and the workshop will begin promptly at 9:00 AM and run until 3:00 PM. Attendance, materials, meals, and parking are free. Workshop content will be the same at all workshops.

Register for one today!

- June 24: Hosted at National Park College; ESC Works Session #527866
- June 25: Northeast Arkansas ESC Works Session #527853
- June 28: Wilbur D Mills ESC Works Session #528059

