

TEACHING THE
GENOME
GENERATION

*Sequencing for Rare Disease Diagnosis:
Scenario Introduction*



Guiding Questions

During these activities, you will be learning more about what the researchers did in their study and what they discovered. As you go, you'll be learning more about the questions below. Before you begin, write out your thoughts in response to these questions. Don't worry if you don't feel confident in your answers! You can revisit these after each activity so that you can see what you've learned.

Given what you know about genome sequencing and genetic variation:

1. What can we learn from comparing genetic information across individuals and species?

Given what you know about (a) how DNA codes for proteins and (b) the connection between protein structure and function:

2. How might a DNA variant affect protein sequence, structure, or function?