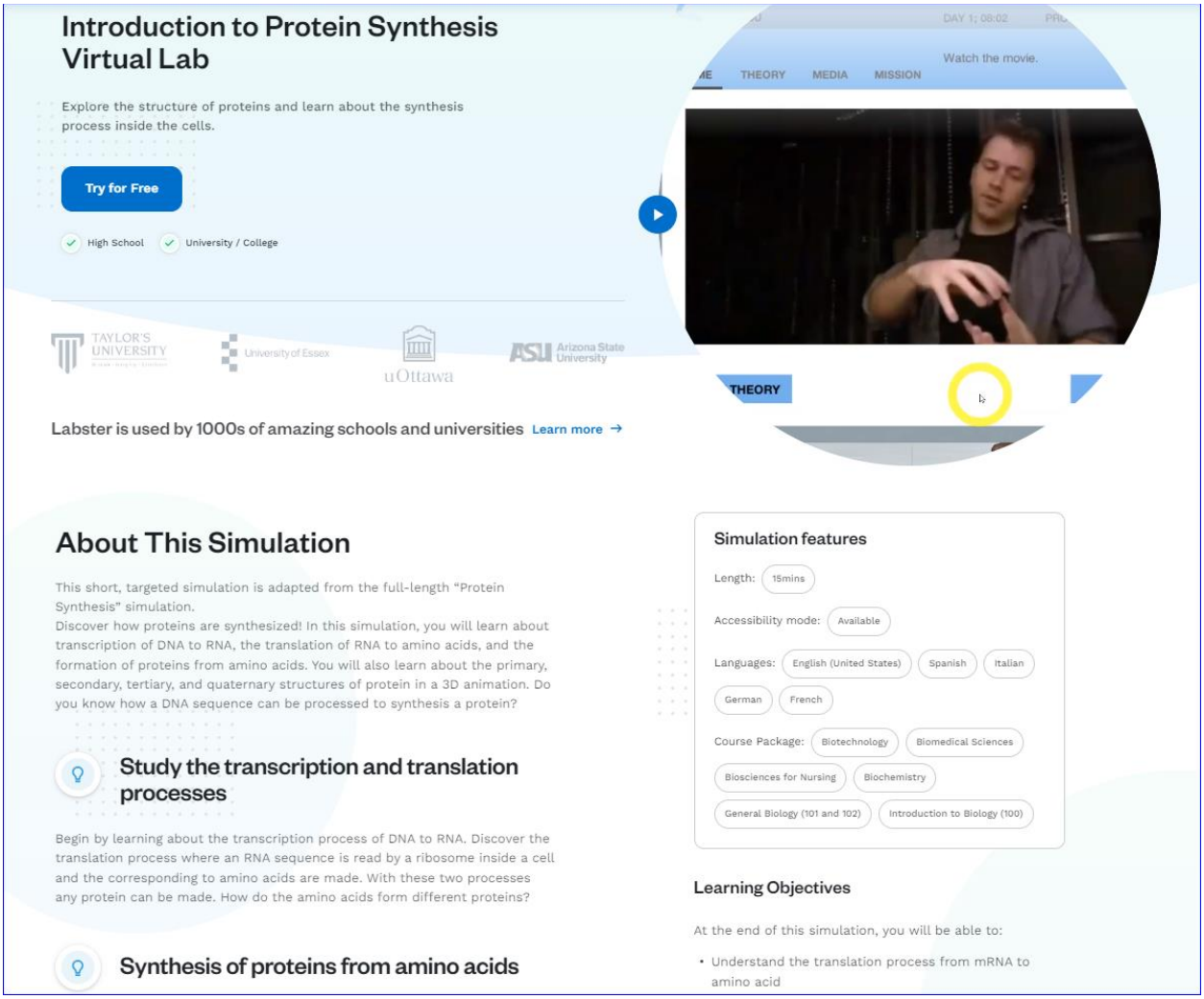
Present virtual lab simulation for the protein synthesis helps student to learn that how protein synthesis occurs in the cell. Also, they learned the transcriptional of mode, where DNA transcribed to RNA; and translational mode where RNA makes the protein. Furthermore, students took the advantage to observe 3D animation of primary, secondary, tertiary and quaternary proteins. Some of the screen shots are attached below for the entire process.

Source: https://www.labster.com/simulations/protein-synthesis



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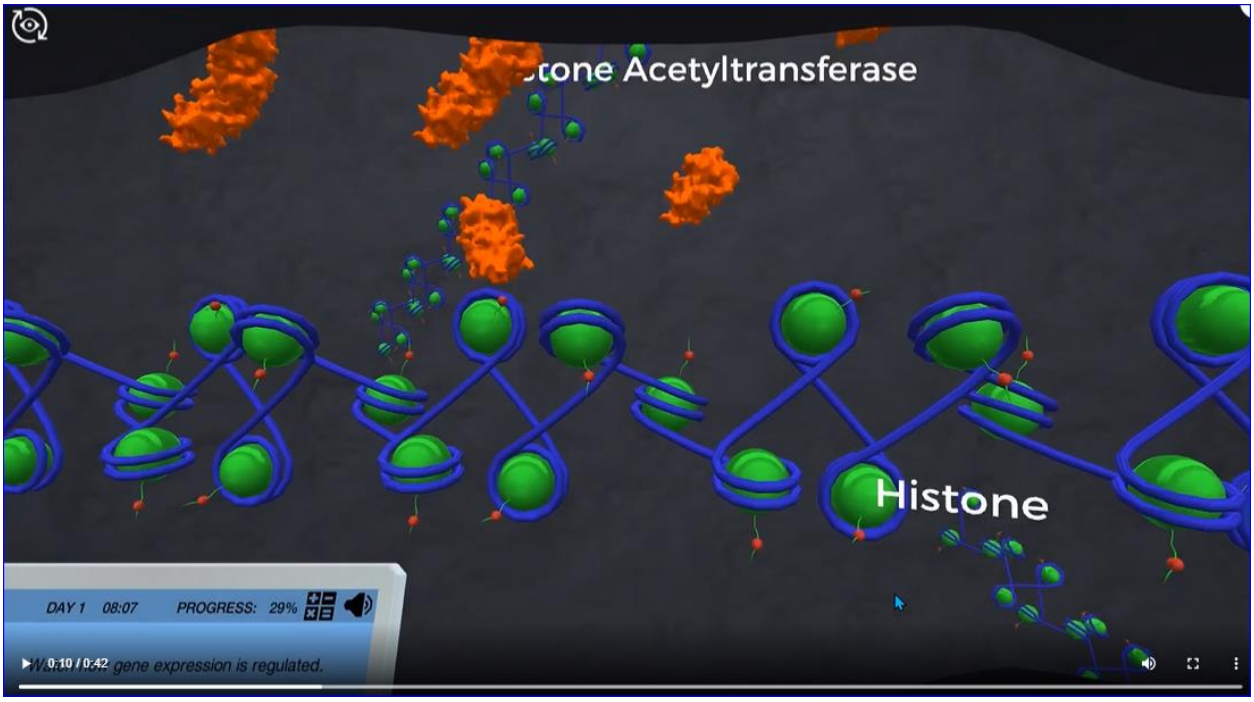
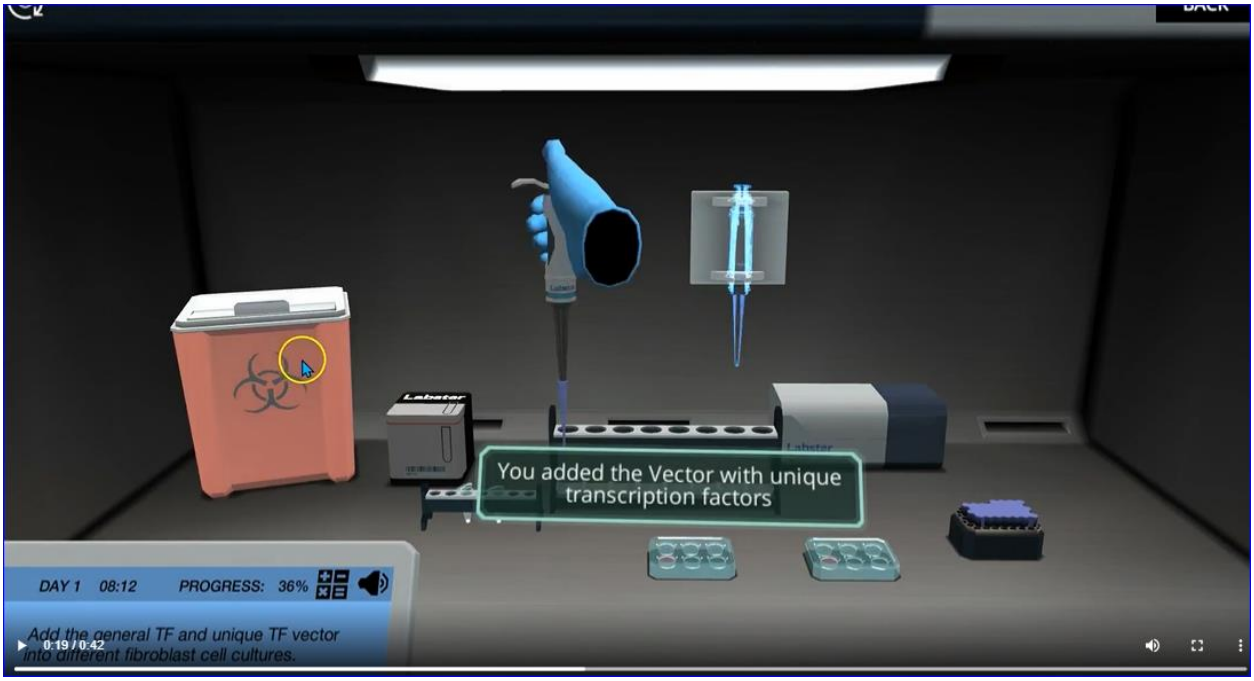
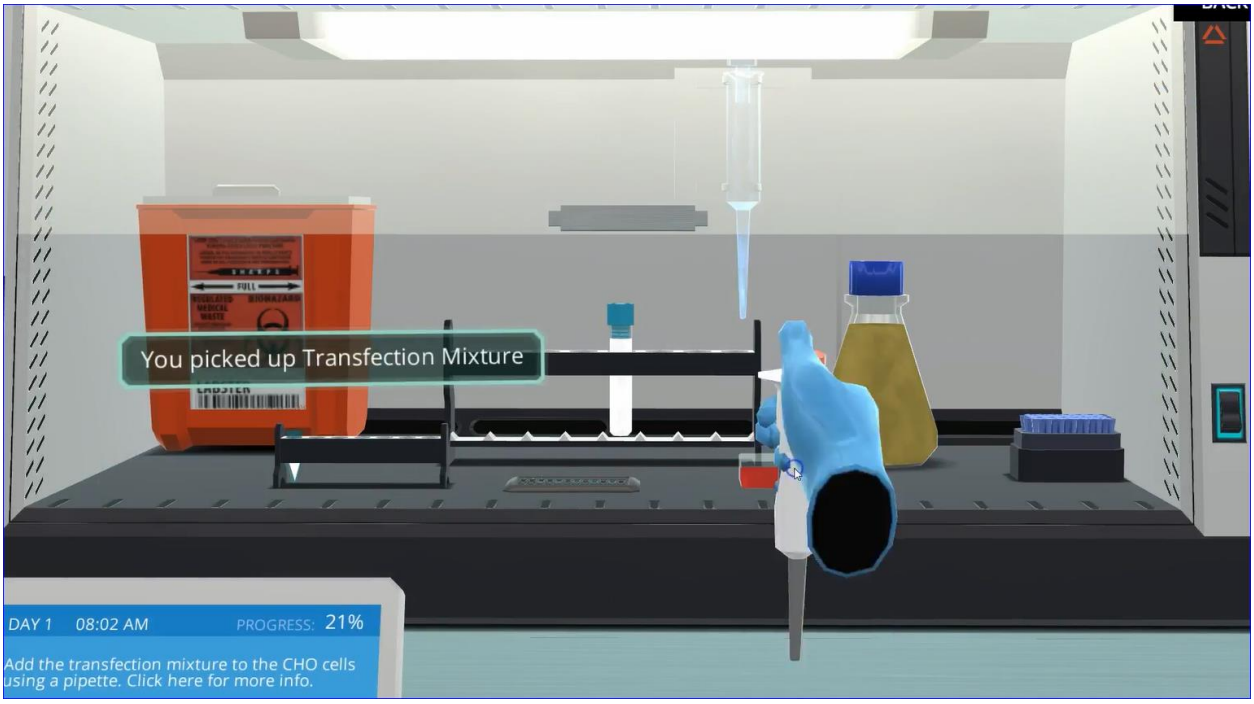
Transcription: DNA to RNA

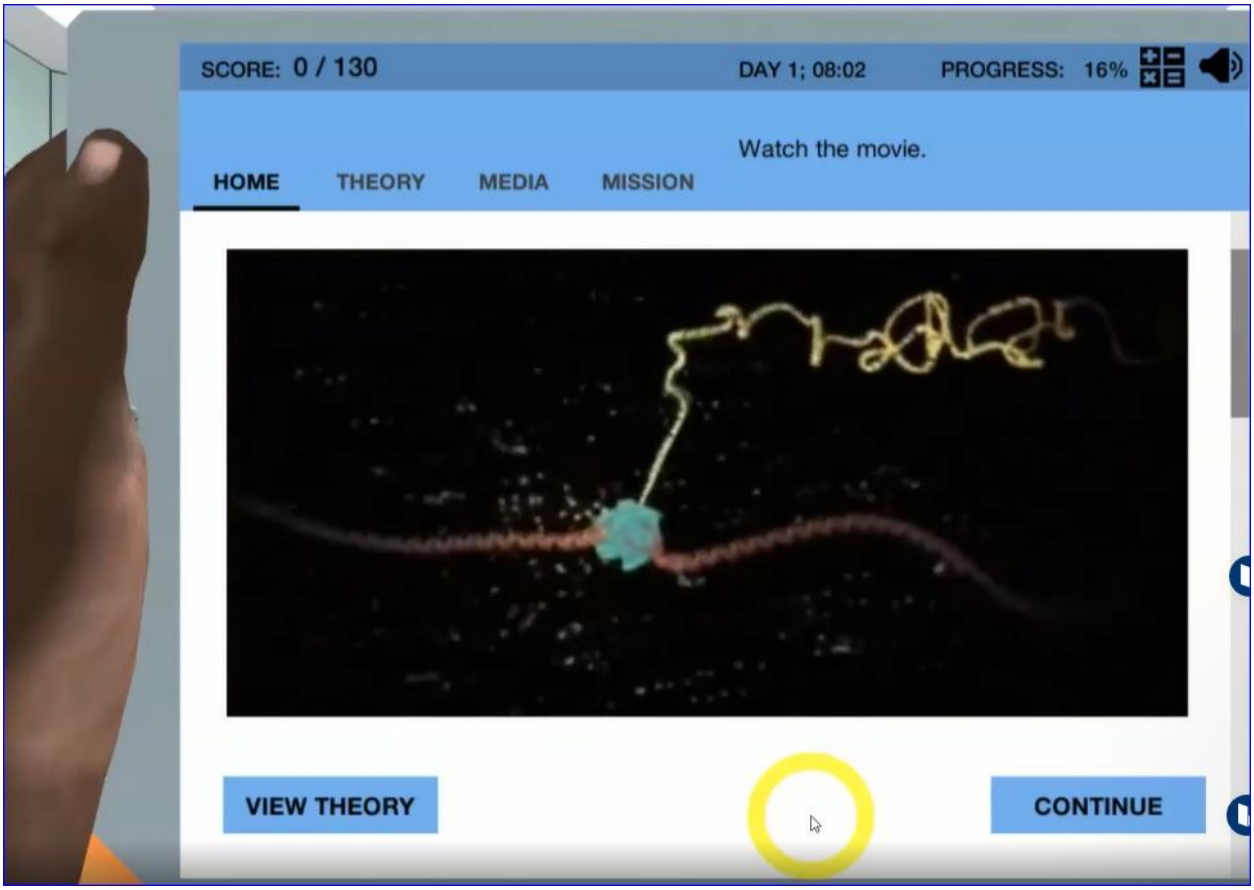


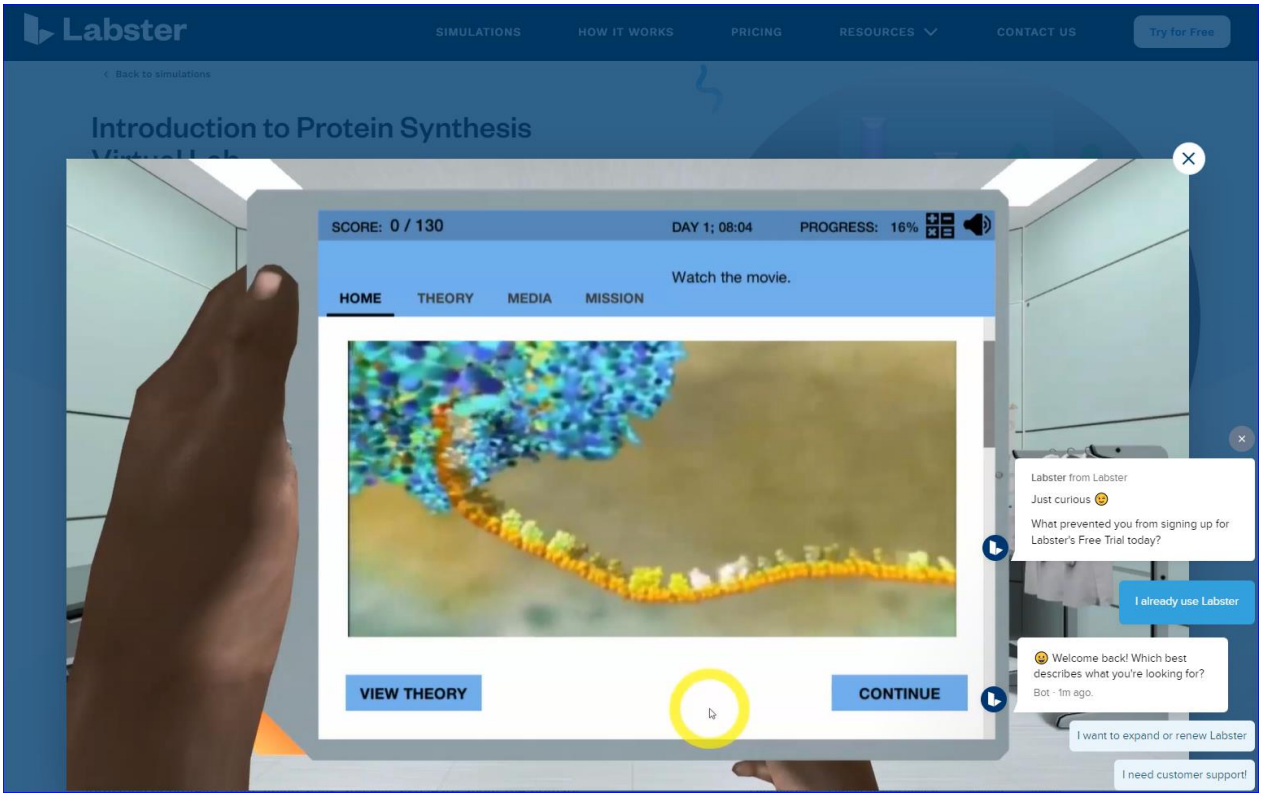

You added the Vector with unique transcription factors
DAY 1 08:12 PROGRESS: 36%
Add the general TF and unique TF vector into different fibroblast cell cultures.
0:19 / 0:42

CLOSE
PCR tube rack
You can place PCR tubes here.
RESET
DAY 3 08:16 PROGRESS: 59%
Place both PCR tubes that contains RNA and RT-PCR mix in the PCR machine, and press START.

Transcription: RNA to DNA






Labster
SIMULATIONS
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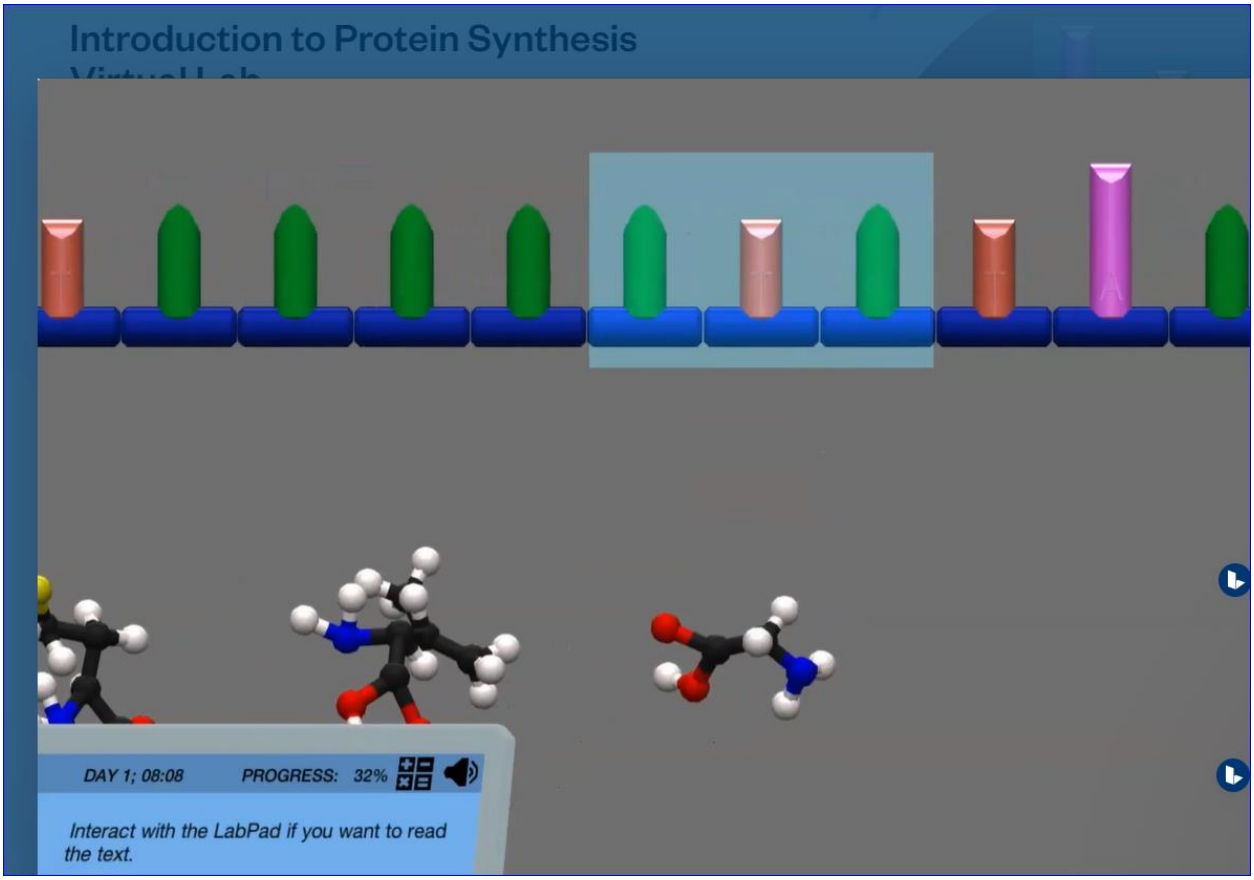
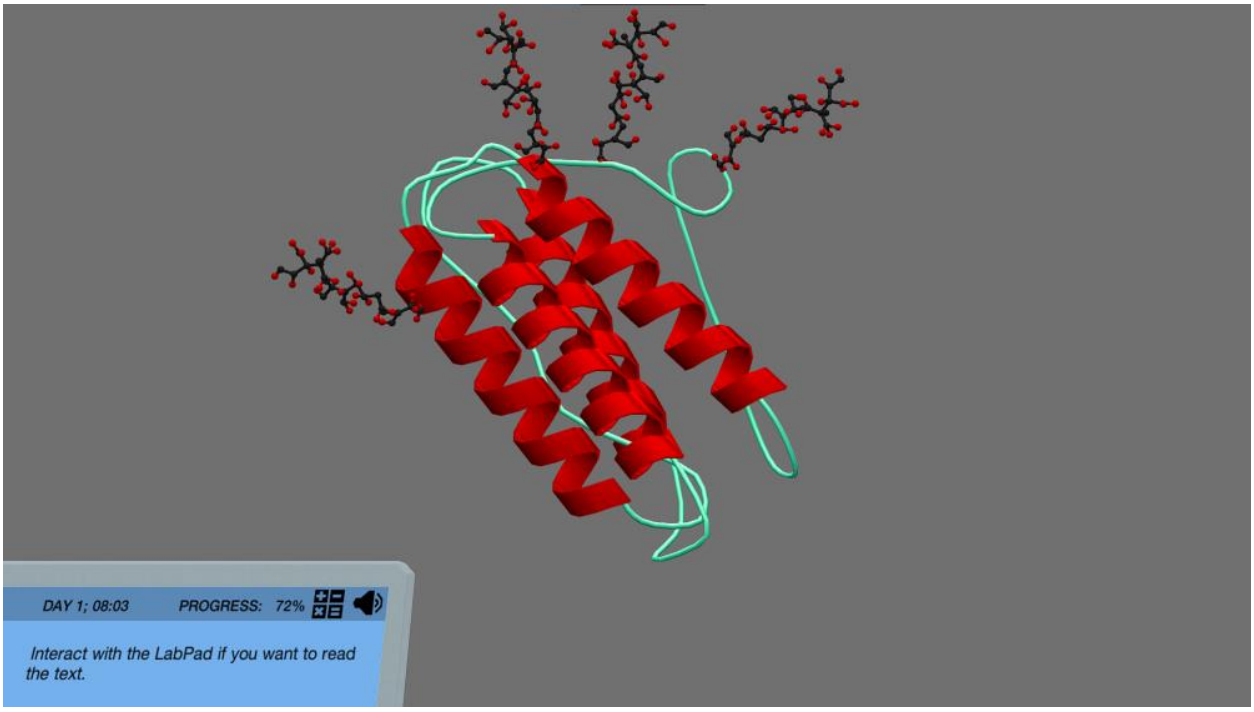
Back to simulations
Introduction to Protein Synthesis
SCORE: 0 / 130
DAY 1; 08:04
PROGRESS: 16%
Watch the movie.
HOME
THEORY
MEDIA
MISSION
VIEW THEORY
CONTINUE
Labster from Labster
Just curious
What prevented you from signing up for Labster's Free Trial today?
I already use Labster
Welcome back! Which best describes what you're looking for?
Bot · 1m ago.
I want to expand or renew Labster
I need customer support!


Introduction to Protein Synthesis
DAY 1; 08:08
PROGRESS: 32%
Interact with the LabPad if you want to read the text.

3-D structure of tertiary protein during virtual lab simulation