

Task #7

Finalized Jmol File & Model Design Sheet Submission

Due: Friday, October 27th

1. Finalize your Jmol Model Design:

You have created and edited a Jmol model design file (jpg) and a model design sheet for the protein Glutathione-S-Transferase. At this time, you should have received ample feedback from your Teammates, Teacher Advisor and Judy in order to ensure the model is properly designed to help you tell your molecular story. This year, the CBM is happy to share that we can provide your team a copy of their 3D GSTe2 model at no cost! You should be receiving this model sometime before the December Holiday break.

2. Finalize your Model Design Sheet:

Task 4 provided you with the template for the model design sheet that lists all the detailed design components for your model (structures, bonds, colors, sidechains, etc). Double check the information provided on the design sheet matches your finalized Jmol jpg file prior to sending it to Judy for model printing.

This task will be marked as complete on the progress bar when your final Jmol model file saved as a (*.jpg) has been approved by Judy, AND your finalized model design sheet has also been approved.

Email both to Judy at birschbach@msoe.edu no later than

Friday, October 27th

First, second and third place WILL be awarded for Task #7!

• **Next Steps:**

- a. You are almost done with the Qualification Phase! Task 8 has you finalizing your GSTe2 abstract, and creating a "Model Summary Sheet" that combines the abstract, an image of the model, and the model detail specifications. See Task 8 for more information.
- b. Your final task for the Qualification Phase is to "Communicate Your Science." Your team will be **required to present a representation of your GSTe2 molecular story to your Research Mentor** at the Mentor Match meeting on November 15th. More details on this in Task 9.