2009-2010 SMART Teams
Qualification Phase

Task #3

Due: October 29t, 2009

Determining the importance of the protein or the “Big Picture”

To help determine what important features you want to include in your molecular story and model, answer the following questions:

1. What is the “hook” or “big picture” regarding this protein? Why do we care about this protein?
2. What is the function of this protein?
3. What are the important features that you want to highlight on your model? This does not need to be specific with respect the precise amino acids, but rather what features are you going to include in your model? For example, are you planning on highlighting the secondary structures? What are the significant amino acids involved in the function of the protein (is there an active site? A binding site?)? Is there a ligand that you wish to display?
4. Why is the significance of these selected features? Why are you going to highlight them on your model?

Send answers to Task #3 to Marisela by October 29th