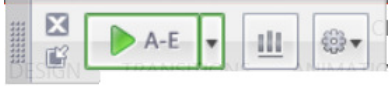




Creutzfeldt-Jakob Disease

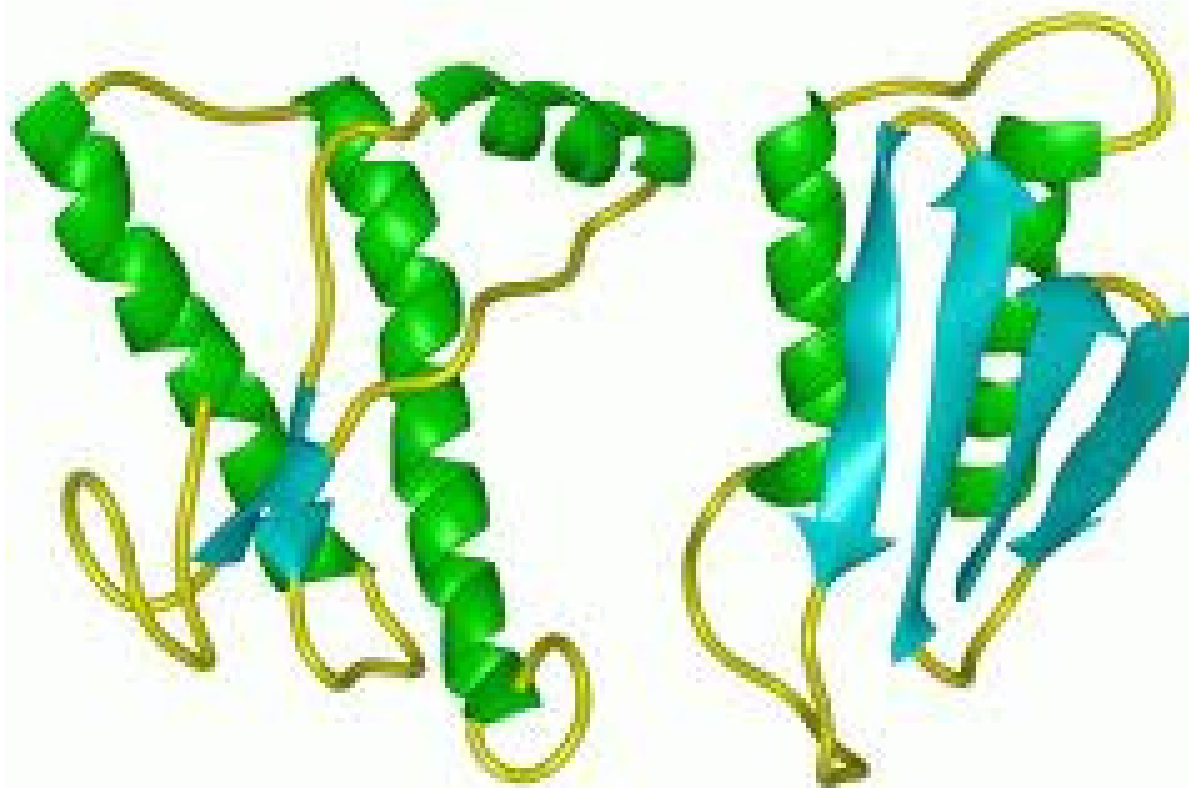
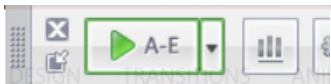
- Extremely Rare pathogenic neurologic disease
- Human form of transmissible spongiform encephalopathies
 - Sporadic Majority
 - Hereditary (PRNP mutation of PRP)
 - Acquired or transmitted
- 1-2/1,000,000 annual cases
- Made famous by late 1980's early 1990's epidemic of Mad Cows Disease
- No treatments or cure



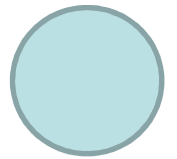
Team Workshop 1: What are the structures of IND24 and IND81?



Team Workshop 2: Use ChEMBL to find any compounds reported to bind PRP? How do they relate to IND24 and IND81?



Team Workshop 3: Go to the RSCB and download the PRP structure. Use the 3DLIGAND SITE (please only 1 person from your group) to predict the binding site of small molecules to PRP? Propose a mechanism of action for how these compounds work and elect one member of your team to briefly explain that mechanism to the class





Remember

- Before 12 PM of the next class day:
 - go to b.socrative.com/student/login and complete the quiz