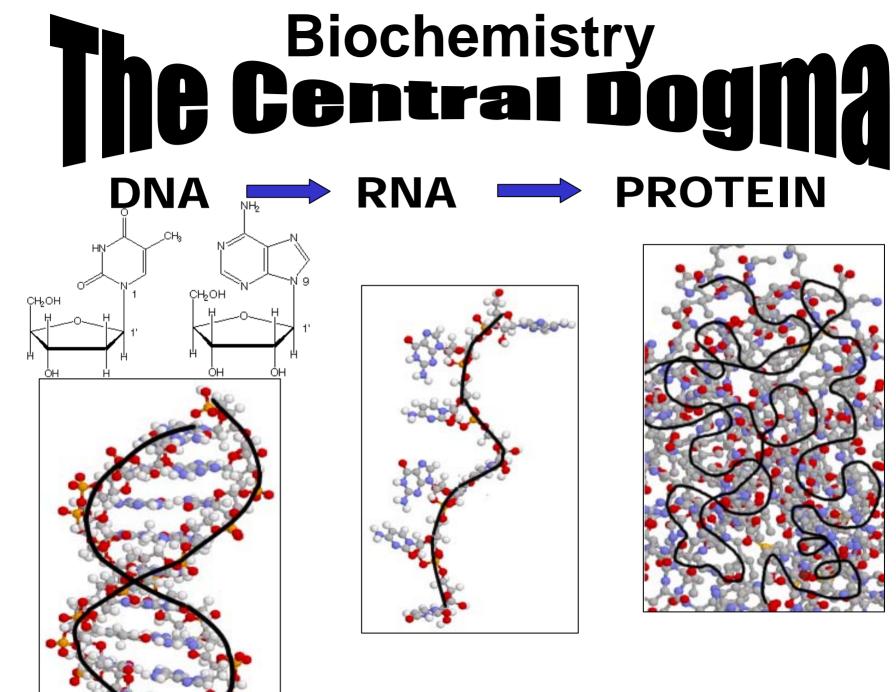


Name: Ms. Marguerite McDonald Title: Biochemist, grad student Concentration: Enzymology Work Place :

> Dr. Mueller's Mechanistic Enzymology Lab Chemistry and Biochemistry Department University of Delaware Graduate Program

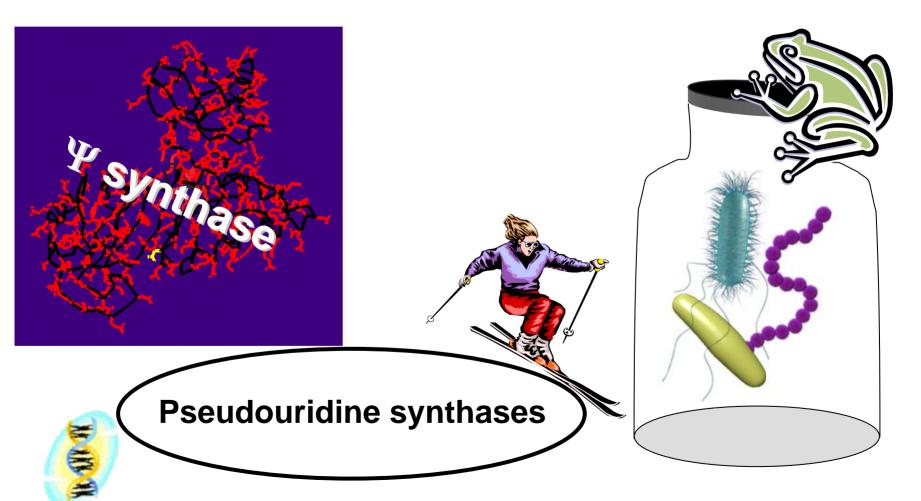




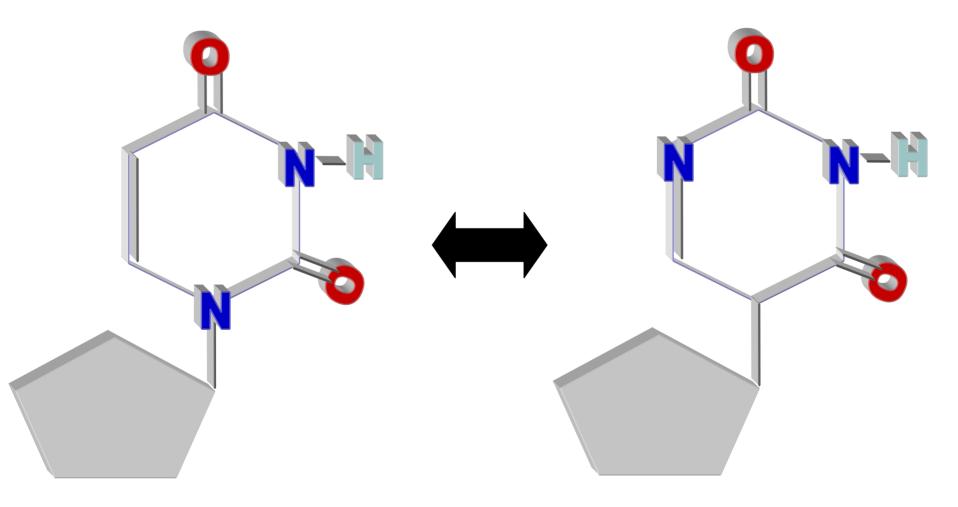
http://bioweb.wku.edu/courses/BIOL115/Wyatt/Nucleic_Acids/mRNA2.htm

Mechanistic Enzymology

The study of the action (the mechanism) of an enzyme

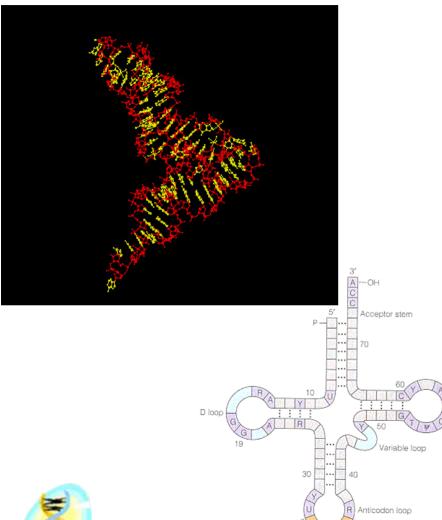


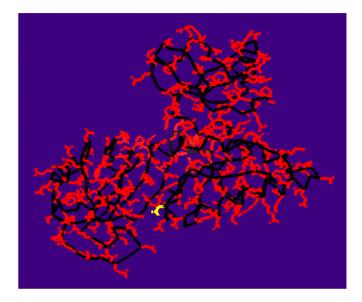
The Chemistry: Isomerization of RNA



TruA's substrate: transfer RNA

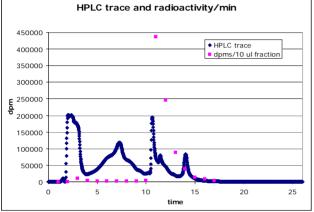
TwC loop

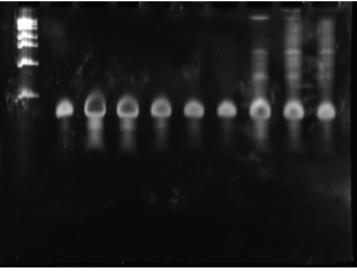


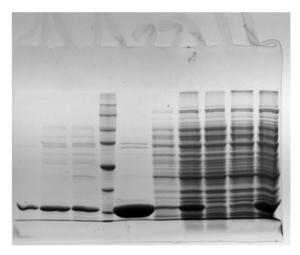




Purifying radioactive tRNA and TruA



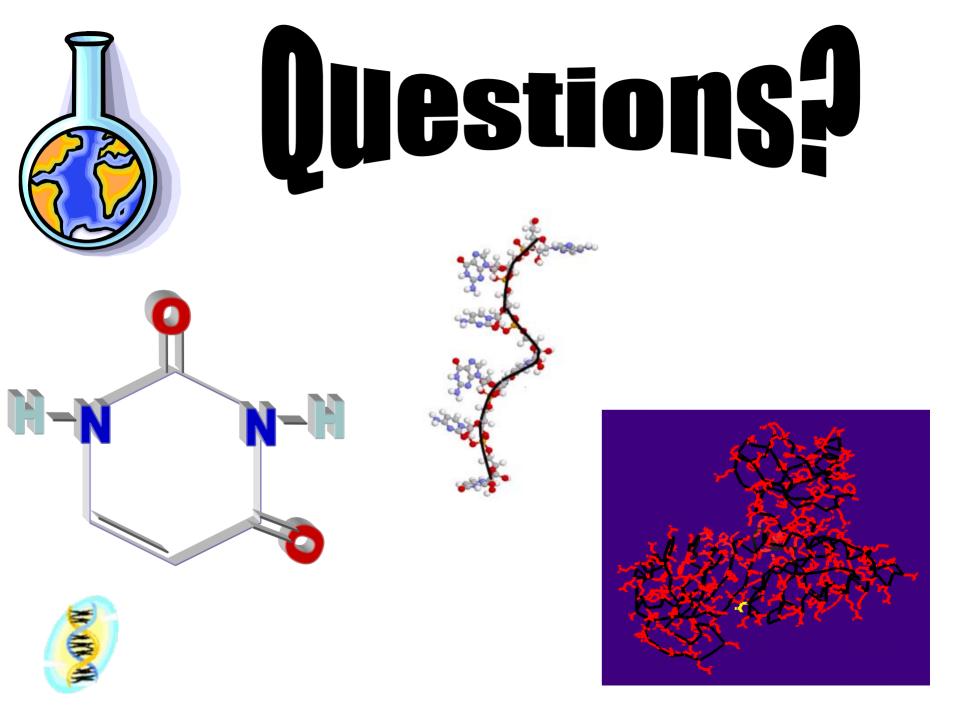


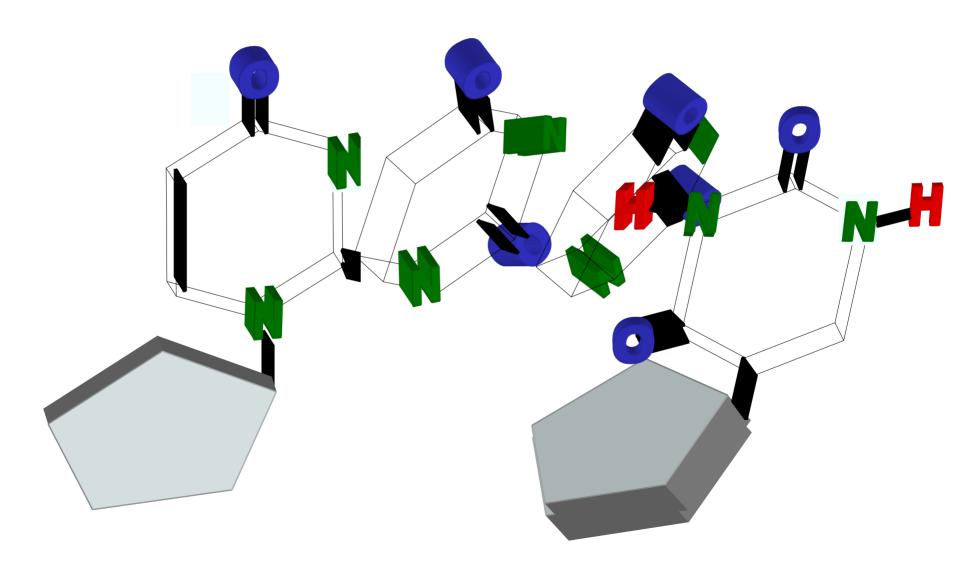


SDS-polyacrylamide gel showing pure TruA and TruA before purification



urea-polyacrylamide gel showing pure tRNA and tRNA with DNA contamination





Pseudouridine Synthases

