BIOC530: Homework 3 Due 10/31

Department_____

Contact information:

Name: ___

Student #	Email address
 Calculate the NMR frequency of ¹H ¹⁵N atoms in a magnetic field of 3T. 	

2. How would you use NMR to distinguish a folded protein from an unfolded one?

3. Have a look at the table from the slide titled "Patterns of NOE interactions define protein secondary structure", explain why α -helices and β -sheets have different NOE interactions.
4. How do long and short mixing time affect NOESY experiments differently?