

DeLong, L. A Study of the Inhibitory Effect of [CoIII(acacen)(L)2]+ on GLI Zinc Finger Transcription Factors The presentation will be a proposal of synthesizing [CoIII(acacen)(L)2]+ complexes, which will be used to study the inhibition of the GLI family zinc finger transcription factors. Using cobalt Schiff base synthesis, various linkers with oligonucleotides could be attached in the equatorial plane of the complexes to target specific zinc fingers. Also, the proposal will include information regarding the use of western blot analysis to study the inhibitory effects of the [CoIII(acacen)(L)2]+ on the GLI zinc finger transcription factors. (CHEMISTRY CAPSTONE)