

### Instructions for final presentations

All presentations will be 13 minutes long, with 2 minutes for questions.

A written report (no more than two pages long, two-column format, Times 10 font, JACS communication style) should also be submitted.

### **Important Considerations for the written report and oral presentations:**

#### Introduction:

Why did you choose the reaction you will talk about? What interests you about the transformation? What is the reaction useful for in a broad context? What have previous studies on this reaction revealed about the mechanism, and what questions remain?

#### Discussion:

What techniques were used to decipher the mechanism of the reaction? What information was gained using these techniques?

What evidence exists supporting the identity of proposed intermediates?

What is the rate-determining step of the process? Was kinetic data used to decipher the mechanism?

What information exists about the energy and structure of the rate-determining transition state? Is it a late or an early transition state?

Are there other possible mechanisms that would fit the data obtained? If so, what further experiments need to be performed in order to more accurately characterize the mechanistic pathway?

Does the proposed mechanism account adequately for stereochemical outcomes?

#### Conclusion:

Summarize the conclusions about the mechanistic pathway based on the data presented.

#### References:

Remember to include at least 5 references from the literature about your reaction of interest.