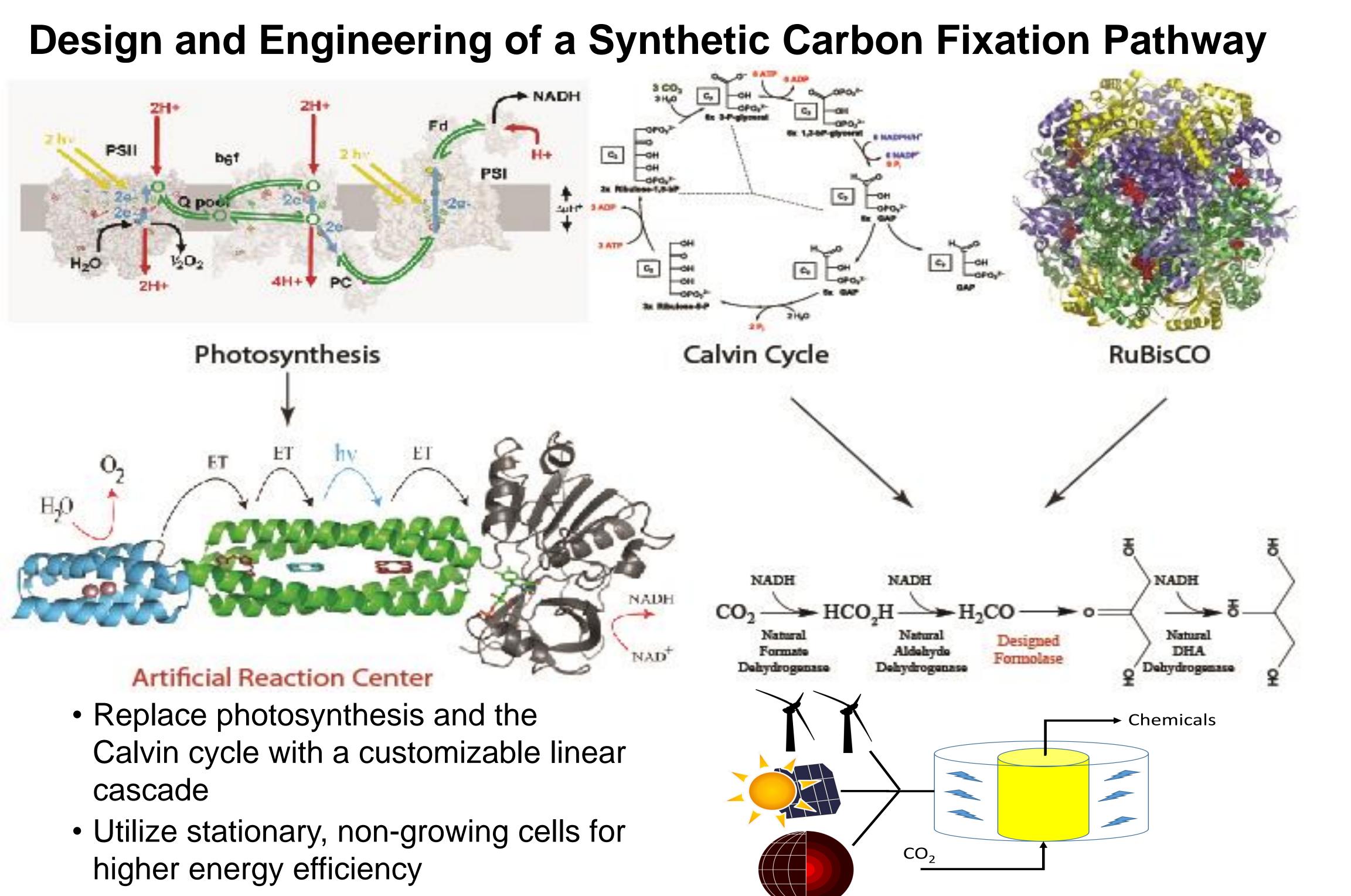
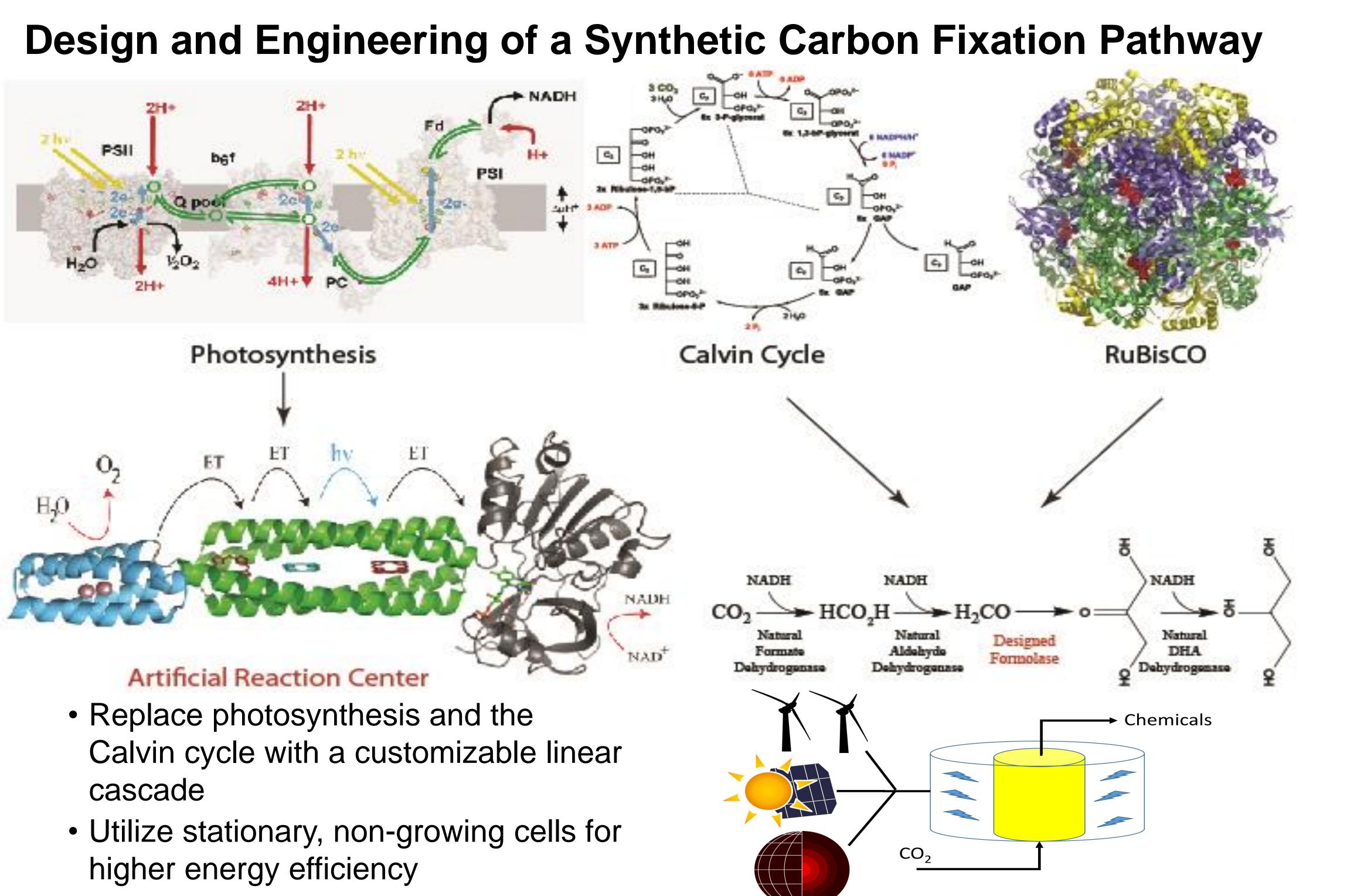
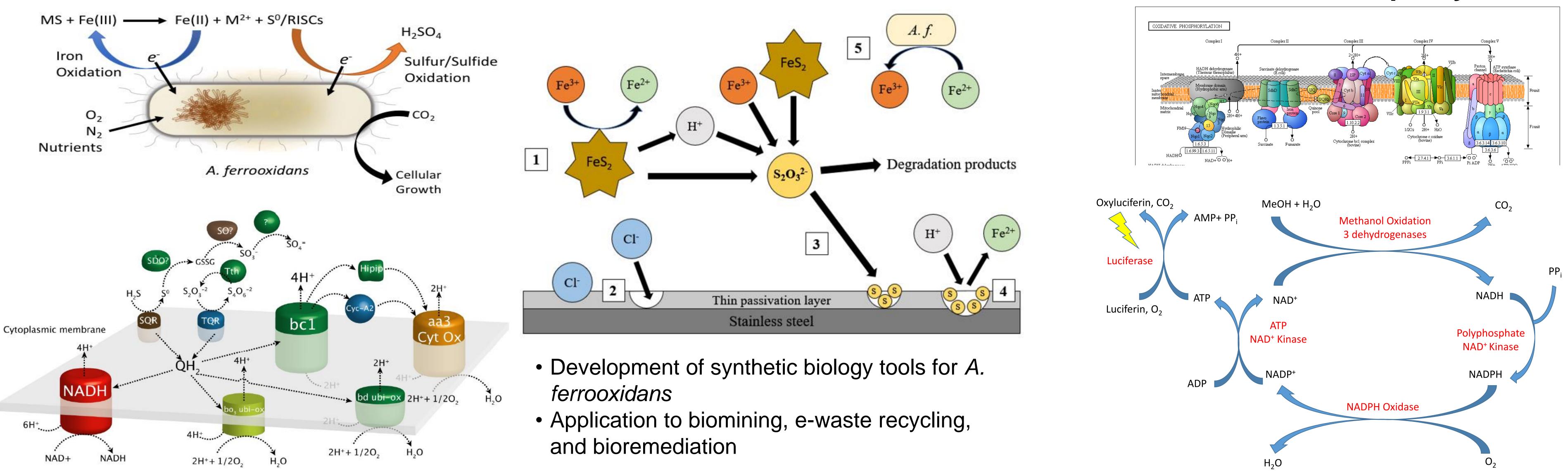
# **bantalab** Protein and Metabolic Engineering

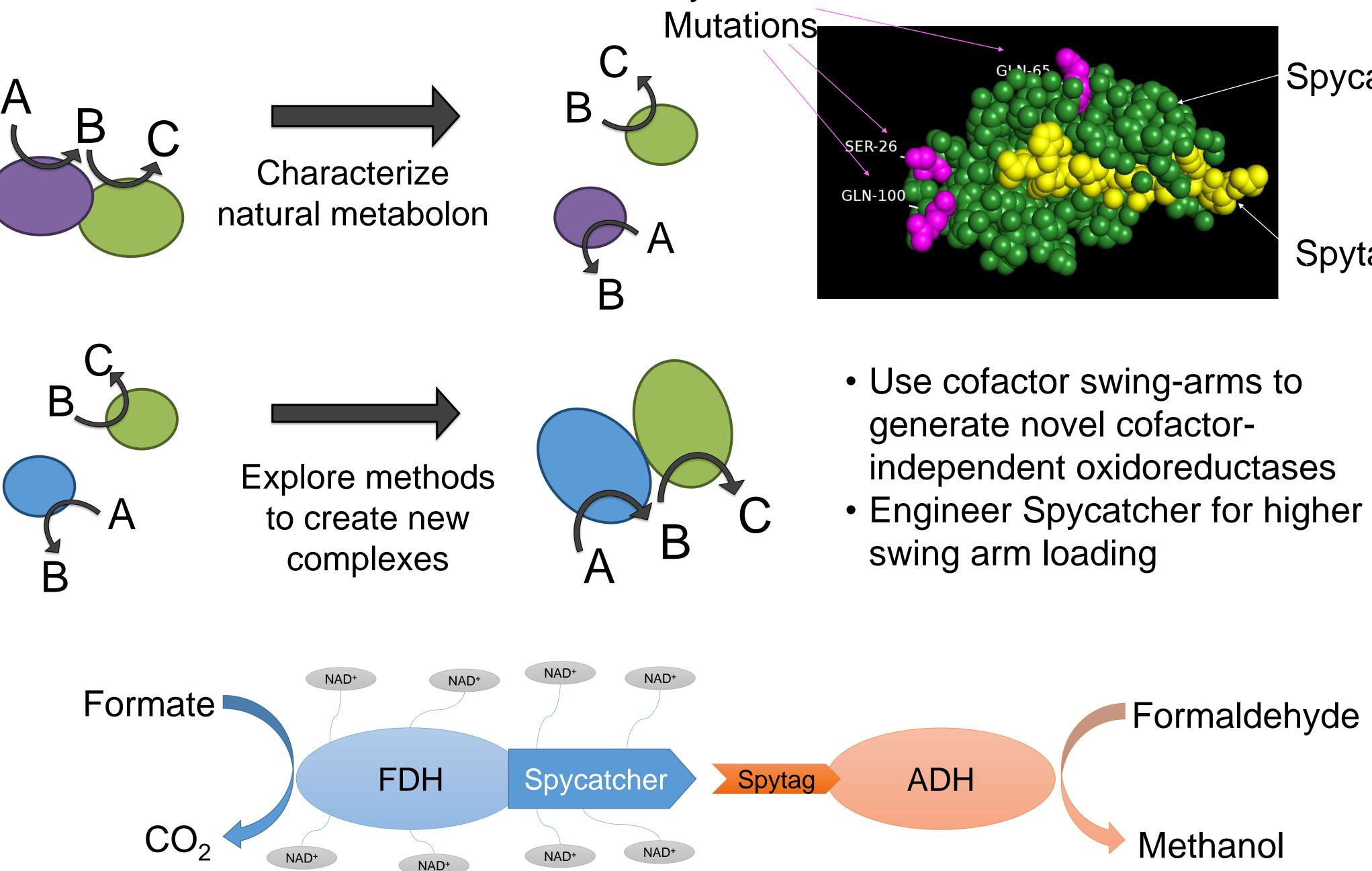




# Engineering A. ferrooxidans for Enhanced Microbiologically Influenced Corrosion (MIC)



## **Engineering Multi-enzyme Complexes for More Efficient Catalysis** Cysteine



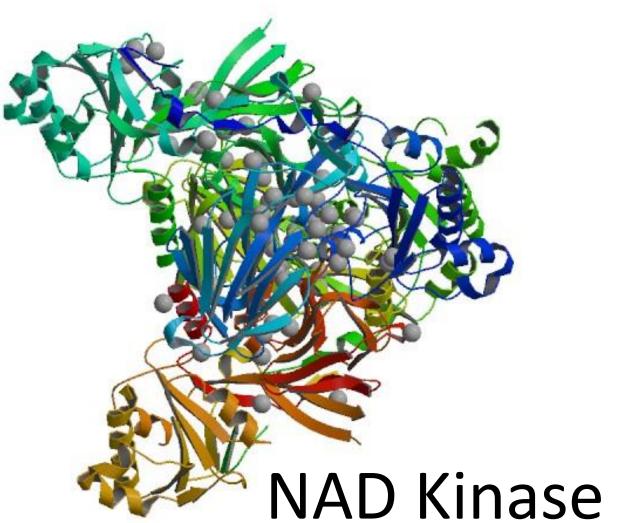
### **Creation of a Synthetic Pathway to Mimic Oxidative Phosphorylation**





Spycatcher

Spytag



- Oxidative
- phosphorylation couples NADH oxidation to ATP regeneration
- We have developed a synthetic metabolic cascade for this process for use in artificial cells