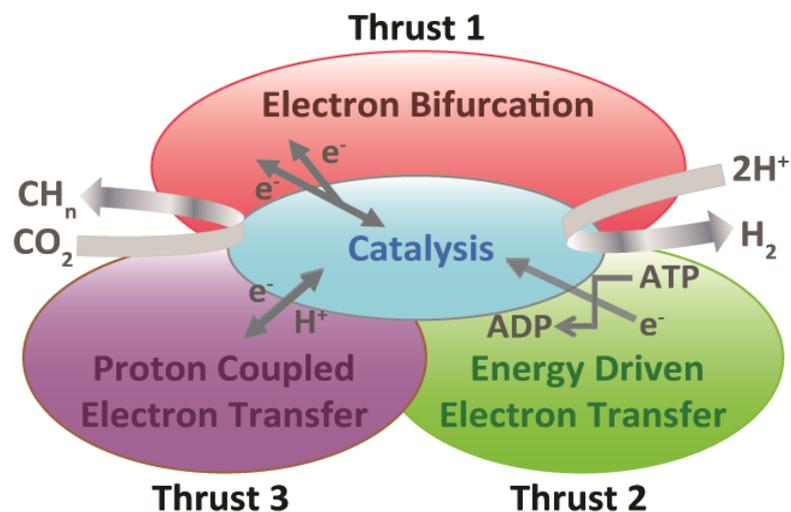


# Biological Electron Transfer and Catalysis (BETCy)

John Peters (Montana State University)

**EFRC mission:** The focus of the Biological Electron Transfer and Catalysis (*BETCy*) EFRC research is elucidating mechanisms of conversion of electrochemical potential into chemical bond energy through investigating the basis for controlling electron bifurcation, electron-ion coupling, and redox catalysis in model enzymes.



<http://eu.montana.edu/betcy-efrc/>

## RESEARCH PLAN

The research plan of the *BETCy* EFRC has been designed to provide the basis to exploit the unique features of biochemical mechanisms that have yet to be explored substantively in the context of energy production but have the potential for innovative solutions and game-changing advancement.