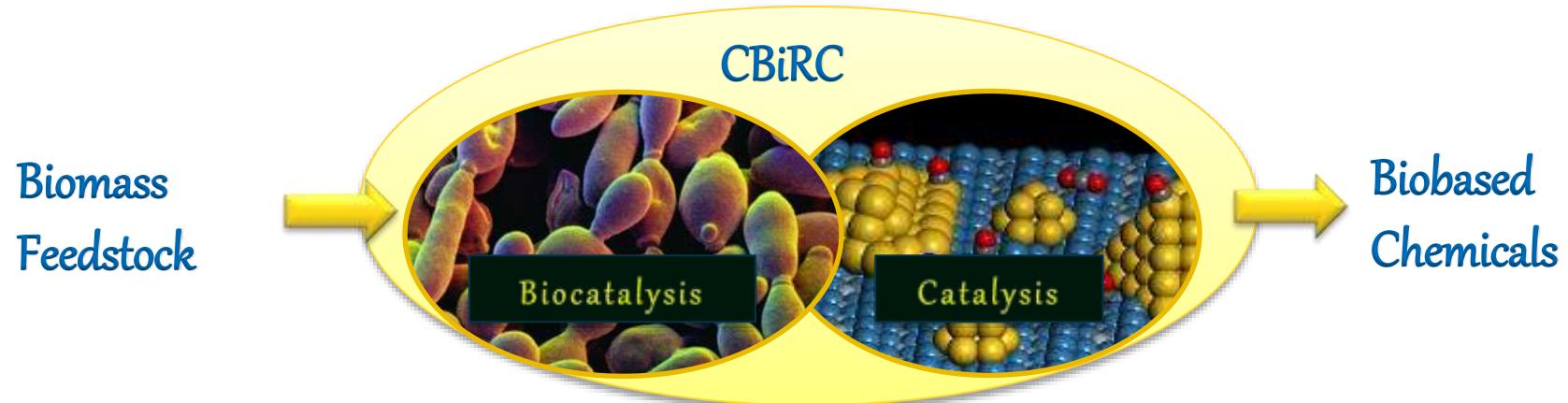


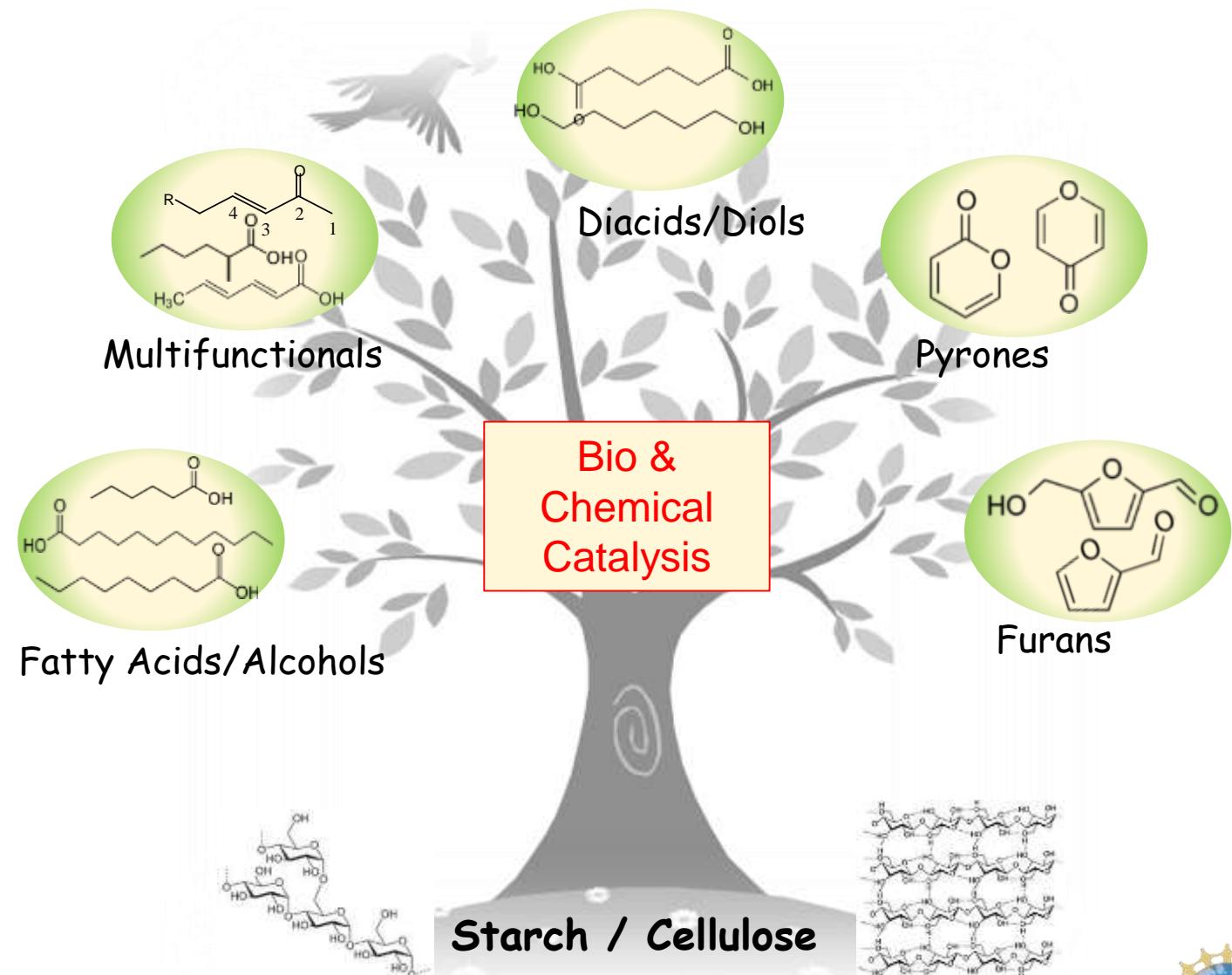
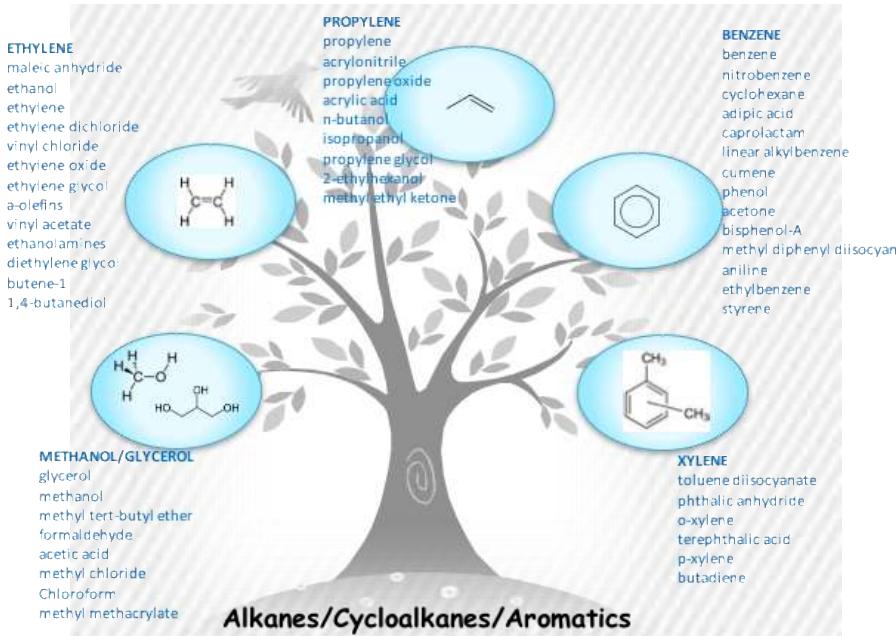
# NSF Engineering Research Center



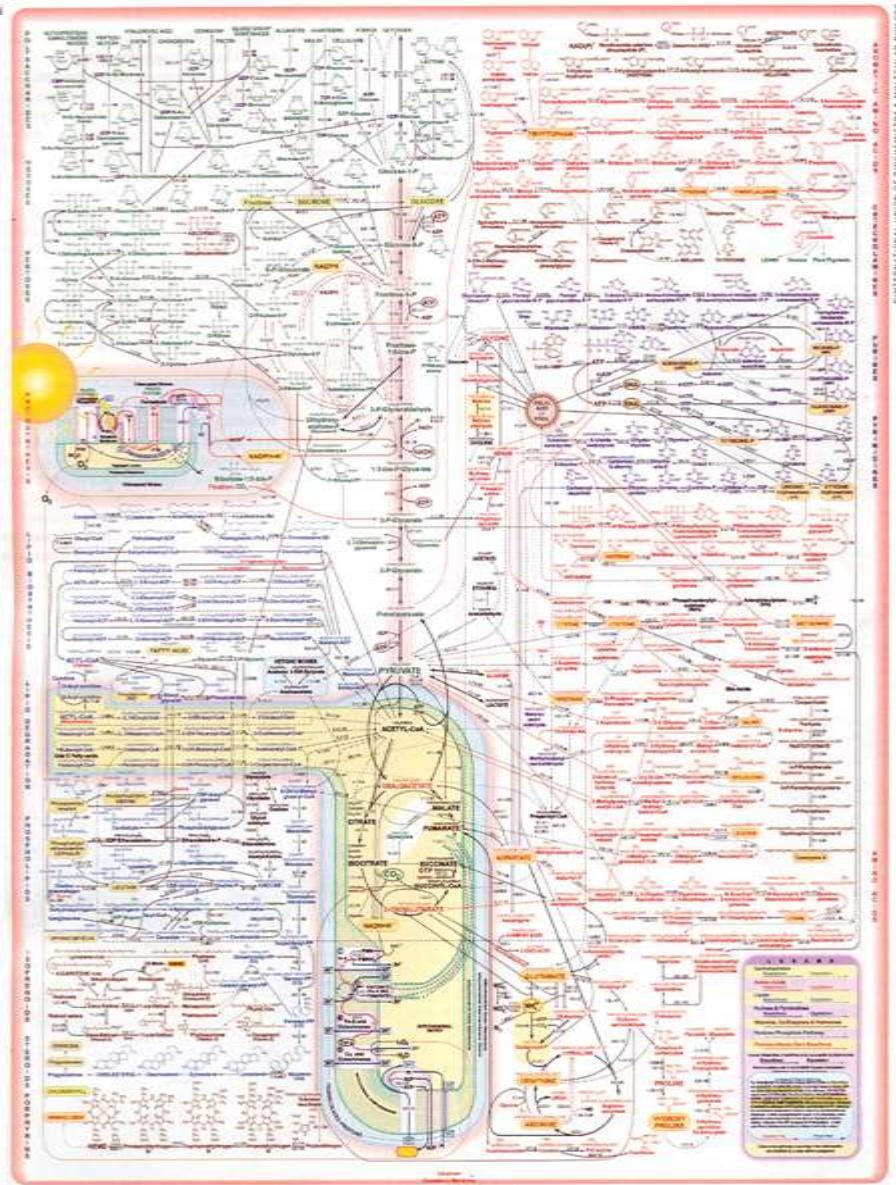
## IOWA STATE UNIVERSITY



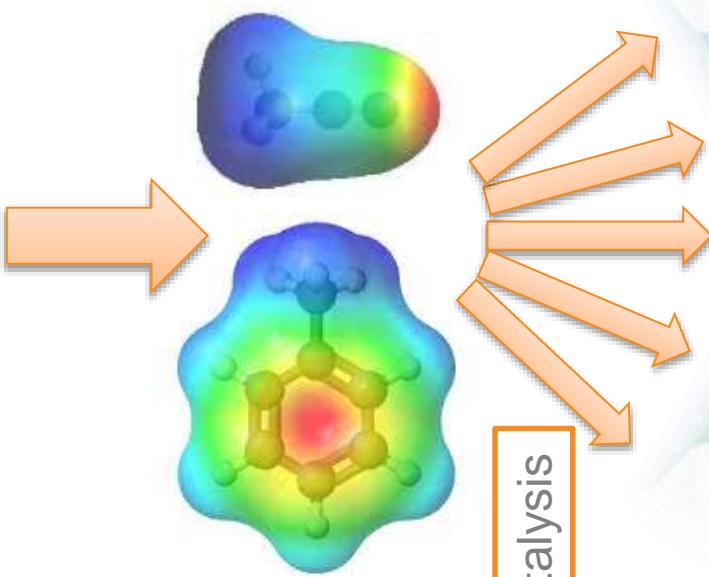
# Build Intermediates to make Branches



# Computational Biocatalysis



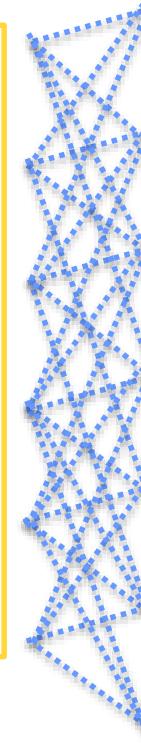
Ideal  
Intermediate  
Molecules



Biocatalysis

Chemical Catalysis

Platform Array of Molecules



Polymers  
Resins  
Personal Care  
Surfactants  
Lubricants  
Composites  
Materials

# Thank you!!

