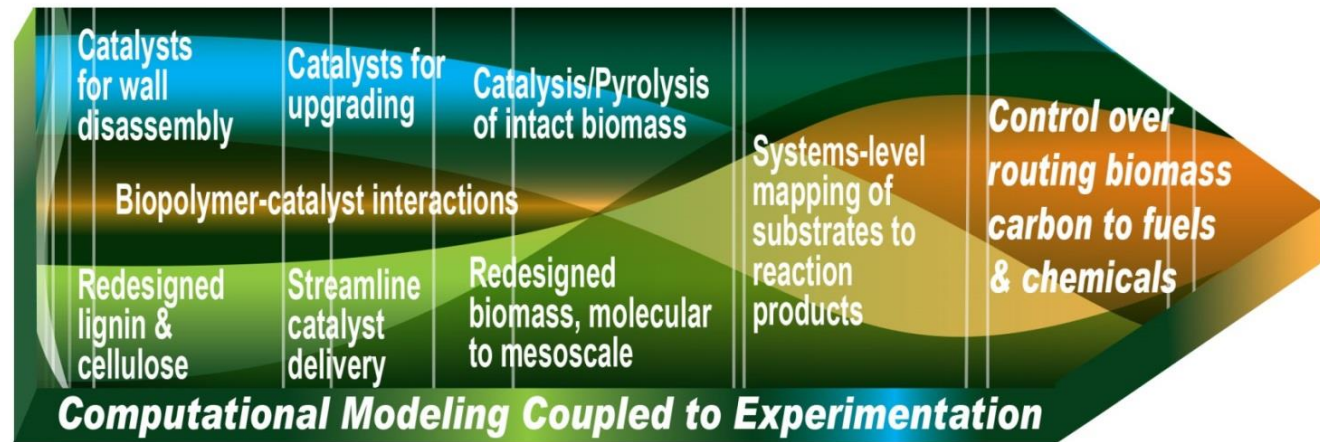


# Center for Direct Catalytic Conversion of Biomass to Biofuels (C3Bio)

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The C3Bio mission is to master the ability to reconfigure all partially reduced carbon from plant cell walls into desired molecules.



<http://www.purdue.edu/discoverypark/c3bio/>

### RESEARCH PLAN

C3Bio develops fundamental understanding of how biomass structural complexity impacts the yields and selectivities of liquid hydrocarbon fuels and high-value chemicals during catalytic or pyrolytic transformations of plant cell walls. We modify cell wall composition and catalytically transform intact biomass to specify both the structures within, and the reaction products from, lignocellulosic biomass.