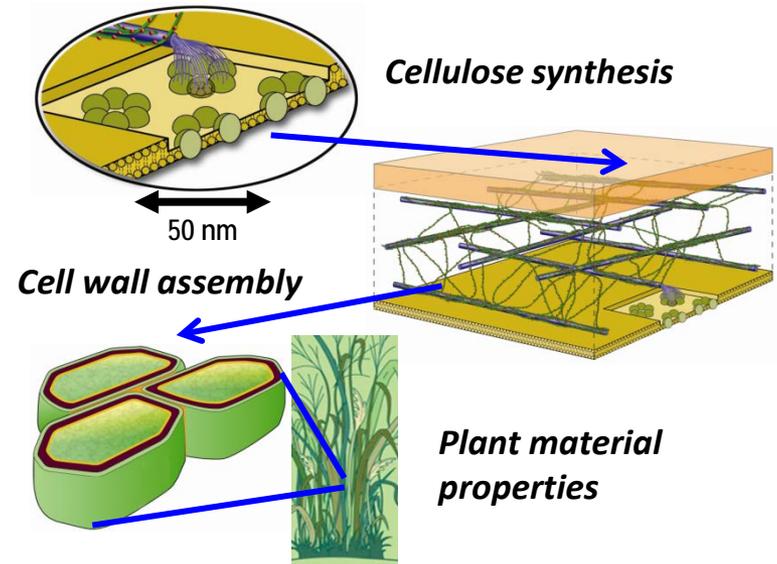


# Center for Lignocellulose Structure and Formation

## Daniel Cosgrove (Penn State University)

Lignocellulose is the major structural material in plants and a vast source of renewable biomaterials and bioenergy. CLSF studies the nano-scale structure of this material as well as the machinery and processes underlying its formation by which plants create this most versatile of materials.



### RESEARCH PLAN AND DIRECTIONS

With a unique mix of molecular biologists, chemists, physicists, engineers and modelers, CLSF is tackling key questions of lignocellulose structure and formation. This is an important step towards unlocking the energy-rich biomaterial for the next generation of sustainable biofuels and for creating new cellulosic biomaterials with diverse economic applications.