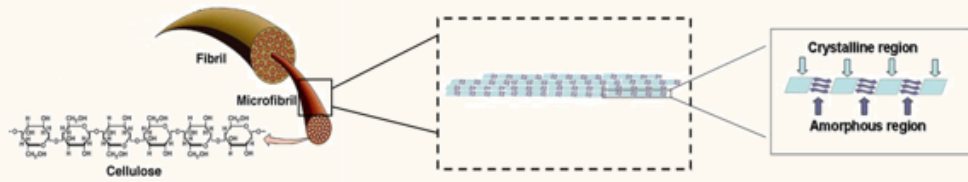


# Nanocomposite Films based on Cellulose Nanocrystals and Titanium Dioxide Nanoparticles

- CNCs were produced via  $H_2SO_4$  hydrolysis

Cellulose fibers contain amorphous and crystalline areas



$H_2SO_4$  treatment of cellulose microfibrils result in hydrolysis of the amorphous regions and release of the nanocrystals

