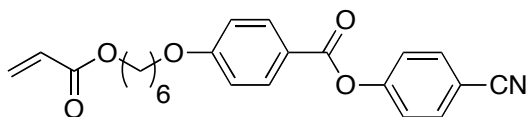


## Design and Synthesis of Liquid Crystalline Polymer Brush Films

Daniel J. Dyer



A liquid crystalline monomer has been synthesized and will be polymerized from surface bound free radical initiators to form a polymer brush. This will be combined with chiral monomers to create a cholesteric liquid crystalline film.