



**SOFT MATERIALS
RESEARCH CENTER**
SPECIAL SEMINAR SERIES

Biofilms as Soft Materials

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Most microorganisms exist in multicellular communities referred to as biofilms. These films account for a large fraction of Earth's biomass and have vast biochemical capabilities, but are also implicated in a wide variety of industrial and medical problems. Biofilms can be viewed in the context of soft materials physics – a perspective that is beneficial for understanding their structure, dynamics, and mechanics. This talk will describe experimental discoveries involving fluid transport and osmotically-driven biofilm spreading and a new approach to engineer biofilms using light-based 3D printing.

Tuesday, September 11th at 1:30 p.m. in Duane Physics G126



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