



FRONTIERS IN MICRORHEOLOGY



Rheology and Microrheology of Actin-Lipid Composites at the Air-Water Interface

Robert B. Walder¹, Alex Levine², Michael Dennin¹

¹University of California, Irvine, Irvine, CA, USA,

²University of California, Los Angeles, Los Angeles, CA, USA.

Abstract: Actin filament networks are model system to study semiflexible polymer networks. Given certain material properties, these materials will deviate from linear continuum mechanics. In our system, we create quasi-2D lipid-actin composites to study this behavior. This poster will present results from bulk rheology and optical tweezer based microrheology to study the viscoelastic properties of these materials.



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