

Mechanical Properties of Membranes Assembled at Liquid/Liquid Interfaces

Kenneth R. Shull, Department of Materials Science and Engineering, Northwestern University



Membrane sack formed by injecting an aqueous solution of a high molecular weight charged polymer into an aqueous solution of peptide amphiphiles of opposite charge. As formed (top) and after bursting as a result of osmotic swelling (bottom).

(Collaboration with Prof. SI Stupp, Northwestern University)