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Entropy-driven ordering in soft matter[1] YU-QIANG MA, Nanjing University — In this talk, we discuss the entropic effects on the structural organization on the basis of the following three examples of our recent works: 1) phase behavior in thin film of confined colloid-polymer mixtures, 2) the organization in inclusion-membrane complexes, and 3) lateral organization in supported membrane on a geometrically patterned substrate. The result will be helpful for understanding the physical mechanism of structural organization and controlling novel structures of soft materials under the guidence of entropy driven ordering.

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