

Investigations of cell biology with neutron scattering

Neutron scattering provides a statistical non-destructive perspective on structure and dynamics in living cells over a range of time and length scales. Simple model systems, red blood cells, and photosynthetic organisms have been examined to understand the nanoscale changes associated with cellular metabolic activity. Here we examine the unique contribution of the neutron perspective to understanding these systems, and the complementarity of the perspective to other experimental techniques.

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