

## Microsymposium

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*Single molecule study of cytoskeleton and membrane dynamics*

Y. Sun<sup>1</sup>

<sup>1</sup>*Peking University, BIOPIC, Beijing, China*

Molecular motors are proteins that convert chemical energy directly into mechanical work in the cell, driving many cellular processes. Given their intrinsic unsynchronous nature, single molecule fluorescence and manipulation techniques are nearly the ultimate tools to understand the mechanisms of molecular motors. I will talk about single molecule fluorescence studies of cytoskeleton associated motors, and their roles in cellular trafficking and membrane shaping of intra-cellular structures.

**Keywords:** Molecular Motors, Cytoskeleton