How to build a biological nanomachine

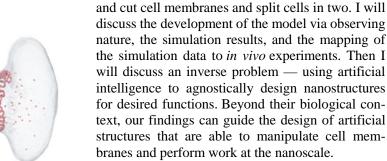
MPIDS

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The molecular machinery of life is largely created via self-organisation of individual molecules into larger-scaled functional structures. Such processes are multiscale in nature and constantly driven far from thermodynamic equilibrium. Our group develops minimal coarse-grained computer models to help understand how the assembly of a large number of macromolecules results in a functional nanomachine, as well as how such processes can go wrong, leading to diseases.

Here I will discuss the physical mechanisms behind a key biological nanomachine that operates via protein assembly



Wednesday, April 22nd, 2020 at 2:15 pm

MPIDS, video conference www.zoom.us Meeting ID: 924 0678 3981, **Password: 564072**

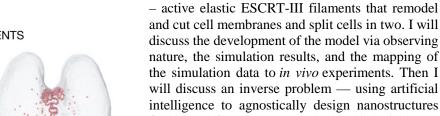
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ESCRT-III FILAMENTS

Shuttling cargo



Splitting cells







