

SUPERCOMPUTING IN THE CELLULAR JUNGLE

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Now that techniques such as cryo electron tomography are revealing highly organised supermacromolecular architectures at the length-scale directly above that of single molecules, which was previously invisible, there is a need for new computational tools to interpret these experiments. I will use our computer simulations of tiny DNA minicircles and of the molecular motor dynein in the axoneme to demonstrate that mesoscale super-macromolecular organisation cannot be ignored in mechanistic biology.

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2:00 PM

CFEL
SEMINAR ROOMS I-III

