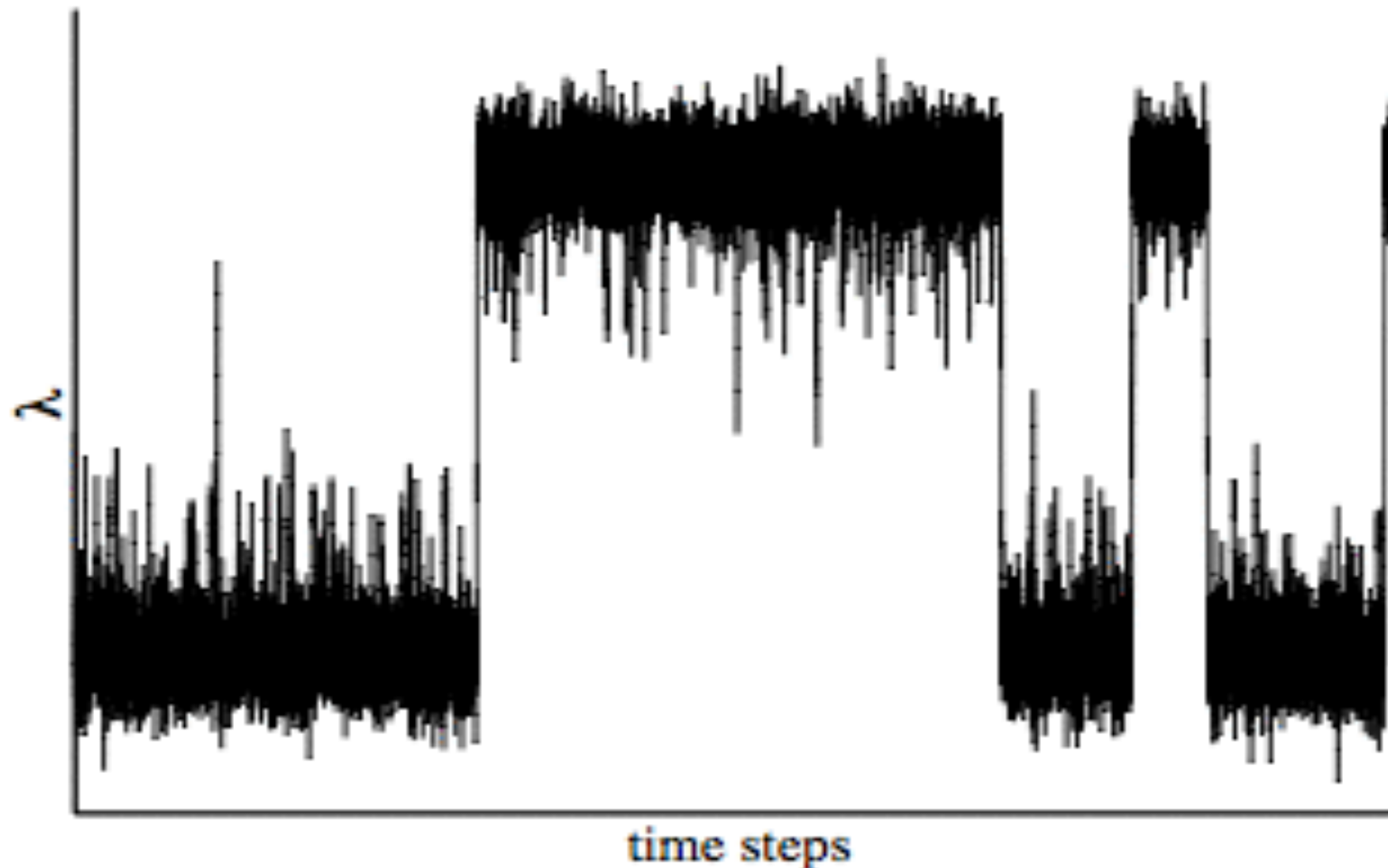# What makes an event "rare"?

Time scales:
fundamental time scale vs. frequency of event

RARE EVENTS

crystallization & self-assembly

catalysis

reactions

complex fluids

enzyme reactions

solvent effects

conformational changes

folding & binding

DNA-Polymerase-beta

fingers

palm

thumb

8-kD

hydrophilic corona

hydrophobic core