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VIRUS PARTICLE MATURATION: insights into elegantly programmed nanomachines



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The accessibility of bacteriophage maturation to structural, biophysical and genetic methods has enhanced our understanding of novel processes in biological dynamics. These include identifying mechanisms that create energy landscapes for exothermic virus maturation as well as discovering a means of directing the effects of thermal fluctuations for particle development through a Brownian ratchet. The structurally encoded program that directs particle maturation will be described.

References

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