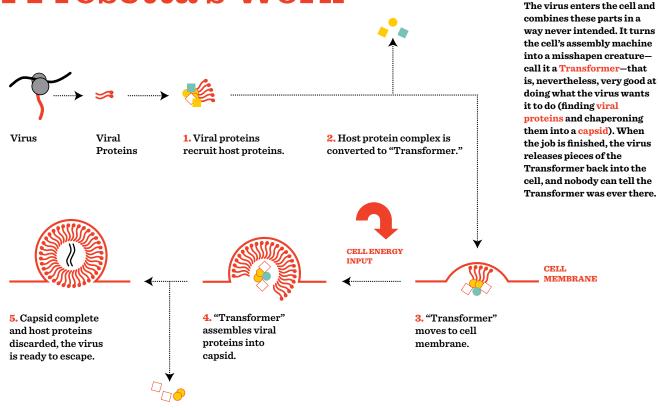
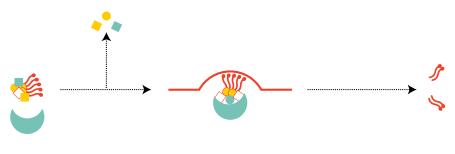
## Central Hypotheses of Prosetta's Work





Why does it matter that capsid assembly is energy-dependent and chaperone-dependent? It means that if you can create a drug that latches on to the Transformer during the brief period when it is active, you can stop the viral assembly in its tracks. The drug won't have side effects on healthy cells, because when the assembly machines are in their normal (non-Transformer) shape the drug won't bind to them.



1. Anti-viral does not bind to host proteins in normal configuration.

Anti-viral Molecule 2. Anti-viral binds to and disables "Transformer."

3. Viral proteins fail to assemble into a capsid.

Viral capsid assembly is facilitated by critical

viral-host interactions.