Cardinal Rules of parasite behavior

o Go Forth - disseminate
&
o Multiply - be the fittest per Malthus

o {Secure lodgment in host -- Fight off local defenses }
establish reservoir for dissemination is all that is material

pace host interactions --> symptoms (DISEASE):
inflammation, cough, diarrhea
:host behavior
:even malignancy *

! odds are these are contrived by the parasite to
maximize its inclusive fitness

BUT

o Don’t kill the host, at least not too often, too soon

o Fight off competing genotypes
defend the host -- OR -- synergize with other parasites
dampen superinfection (concomitant immunity)

[o] Fuse with the host: become another gene!

* malignancy (EBV; HPV) a puzzle. May confer a tribal advantage, if not to the oncogenic particle.
?? "unintended consequence"