

Thesis title: DPP4 in MERS-CoV transmission and pathogenesis

Propositions accompanying this doctoral thesis

1. MERS-CoV transmission and pathogenesis are complex phenomena encompassing the interaction of multiple viral and host factors (this thesis).
2. Susceptibility and transmissibility are like weapon and murder, one is prerequisite to but does not guarantee the other (this thesis).
3. Understanding MERS-CoV by studying DPP4 is like getting to know a person by interrogating one's friend (this thesis).
4. DPP4 is one possible factor that determines severity of MERS-CoV infection (this thesis).
5. One must not forget that DPP4 is not only a MERS-CoV receptor (this thesis).
6. Antibodies are the workhorses of biological experiments, but they are littering the field with false findings (Monya Baker. *Nature*, 2015).
7. There is plasticity to senescence (Barbi E et al. *Science*, 2018).
8. Mathematical modeling can help to compensate for knowledge gap (Caroline Ash. *Nature*, 2015).
9. One Health, does it really work? (Rabinowitz PM et al. *Emerg Infect Dis*, 2013).
10. "The difficulty of uncertainty is that we are dealing with things that are likely to emerge at some time and that need attention" (D Nabarro. *Sustaining Global Surveillance and Response to Emerging Zoonotic Disease*, 2018).
11. Happiness is a concept that people invent once surviving become too easy (J Richardson, 2013).

Widagdo
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