

Propositions accompanying the doctoral thesis

Zika virus infection: in vitro models of disease pathogenesis

1. In terms of disease complications, ADE of ZIKV infection does not equal ADE of DENV infection (from this thesis).
2. The mechanism of osteoclast impairment upon ZIKV infection is virus-specific (from this thesis)
3. The phenotypic effect of ZIKV infection depends on the differentiation status of MSCs (from this thesis).
4. A drug with anti-ZIKV activity is not necessarily a drug of choice to treat the virus (from this thesis).
5. Selection of cell lines to screen for antiviral drugs strongly determines the outcome (from this thesis).
6. Multiomics provides a better understanding of systems biology than single omics (PMID: 34054532).
7. RNA viruses are good at the exploitation of hosts to gain their survival (PMID: 33101259).
8. *In vitro* evidence of ADE is not enough and needs confirmation from epidemiological studies (PMID: 28322690)
9. Host genetic diversity buffers the population against epidemics in nature (PMID: 22713998)
10. The intellect is better than desire (by Imam Ali Ibn-e-Talib)
11. Whether you think you can or you think you can't, you're right. -Henry Ford.

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