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The interaction between haloarchaea and their viruses

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Propositions associated with the PhD Thesis

The interaction between haloarchaea and their viruses

Sabine Schwarzer

1. The loss of cell appendages does not automatically protect against attack by flagellotropic phages and viruses. (Chapter 1)
2. The determination of the host range is always only a snapshot. (Chapter 2)
3. Don't be fooled by the appearance of a virus. Watch their actions and they will tell you everything you need to know. — *Quote adapted from Billy Cox* (Chapter 4)
4. The strategies that viruses have developed to recognize and bind to host cells from different domains of life show common principles. (Chapter 4)
5. From the looks of haloarchaea, one can tell whether they are in an 'explorative mood'. (Chapter 3 & Chapter 5)
6. The high prevalence of chronic viral infections in archaea reflects the ecology of extreme environments and the morphological diversity of archaeal viruses. (Chapter 6)
7. A genetic element enclosed in a protein coat does not make a virus.
8. Chronic energy stress is a selective pressure governing the evolution of Archaea and PhD students.
9. "I don't need time, I need a deadline." — *Duke Ellington*