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In Singulo Biophysics

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Propositions

1. Life, as we understand it, probably comprises the most conceptually complex entities in nature (Chapter 1).
2. Viruses are highly organized supramolecular structures found in diverse shapes and forms that share essential *vital* features (Chapter 2).
3. Hepatitis B virus assembly relies on the formation of compact assembly intermediates to accomplish genome condensation (Chapter 3).
4. Structurally unrelated histone chaperones exhibit conserved modes of action mediating histone interactions (Chapter 4).
5. Single-cell activation kinetics reveals the extreme sensitivity of macrophages to their environmental conditions (Chapter 5).
6. Methods involving *in singulo* sensitivity and manipulation capabilities are likely to change our view on the dynamics of biological systems (Chapters 3-6).
7. Scientific knowledge should be made available to the whole—so that it can be considered scientific advancement.
8. Four for dinner is six for lunch; yet another example of the time dependency of our predictions.