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On the kinetics and conformational dynamics of elevator transporters

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- 1) Wrong assumptions can lead to random results
- 2) In the substrate-binding site of GltTk, L- and D-aspartate take similar poses leading to almost identical networks of contacts. (Chapter 5)
- 3) It is not a perfect day if it doesn't rain a little
- 4) Perfection is more a distraction than a necessity
- 5) A PhD does not certify the amount of knowledge but the ability to understand
- 6) A boat is never a good investment
- 7) The transport domain of CitS from *Klebsiella pneumoniae* visits three meta-stable states (Chapter 4)
- 8) While cooperativity in binding can be a form of kinetic optimization, the thermodynamics of coupled substrate-ion transport [...] are yet to be fully delineated (Chapter 6)