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# Molecular inheritance from cloud to disk: a story of complex organics and accretion shocks 

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## Propositions

accompanying the thesis

## Molecular inheritance from cloud to disk

## - A story of complex organics and accretion shocks -

1. Similar abundance ratios of complex organic molecules as observed in hot cores imply similar formation conditions in the cold prestellar cores. (Chapter 2)
2. Absence of emission from complex organics does not mean absence of complex organics in the protostellar system. (Chapter 3)
3. Deuteration of molecules forming predominantly on the surfaces of dust grains is directly related to the physical conditions in the prestellar phases. (Chapter 4)
4. Sulfur-bearing molecules such as SO and $\mathrm{SO}_{2}$ can be accurate tracers of accretion shocks when a UV field is present. (Chapters 566 )
5. Science should be about the quality of the results, not the quantity of publications.
6. Guaranteed observations do not mean guaranteed data.
7. Explaining science at a basic level to the general public also teaches scientists themselves.
8. The importance of long breaks and holidays on ones mental well-being should not be underestimated.
9. Good insulation of houses shifts the energy problem from winter to summer.
10. Green-bottled beer brewed in Enschede is, and always will be, the best pilsener.
11. Seeing humour in everything makes one a lot happier.
