The handle http://hdl.handle.net/1887/18950 holds various files of this Leiden University dissertation.

**Author:** Velthuis, Arend Jan Wouter te  
**Title:** A biochemical portrait of the nidovirus RNA polymerases and helicase  
**Date:** 2012-05-16
If you try and take a replication complex apart to see how it works, the first thing you will end up with is a non-working complex.

- *this thesis*

Viral polyproteins and their proteolytic processing evolved to control enzymatic activity, but also protein stability and, possibly, replicase complex formation.

- *this thesis (chapter 3)*

There is only circumstantial evidence for the coronavirus nsp8-primase hypothesis.

- *Imbert et al. 2006*
- *this thesis (chapter 5 and 8)*

Since they work as general RNA polymerase inhibitors, zinc ions are not suited as remedy against viral infections.

- *Fridlender 1978*
- *Slaby et al. 1984*
- *Arnold et al. 1999*
- *this thesis (chapter 4)*

Identifying a deadly disease and its causative agent with ferocious capital letters, such as SARS and SARS-CoV, is the best way forward if you don’t have an answer to it yet.

- *Drosten et al. 2003*
- *Perlman et al. 2009*

Hosts are shaped by their viruses.

- *Ryan 2009*

Depending on the field of research you find yourself in, E can be $m^2c^2$ or several kilo Daltons.

The spatial separation of the nidovirus replicative enzymes and the (presumed) viral RNA replicative intermediate suggests that the overly large genome and the diverse array of nidovirus enzymes quickly results in a rather unhappy marriage or that telekinesis exists after all.

- *Snijder et al. 2003*
- *Imbert et al. 2006*
- *Knoops et al. 2008*
- *Reggiori et al. 2010*
- *Knoops et al. 2010*
- *Nedialkova et al. 2010*

According to etymology, the ‘re’ in research means ‘intensive’. Since the advent of statistics is also means ‘repeat’. In single-molecule research, it truly means both.

Following ‘he who runs in front of a car gets tired’, while ‘he who runs behind it gets exhausted’, cars may turn out to be an overlooked solution to obesity rather than a cause.

- *modified from Confucius Says*

Some experiments bring happiness wherever they are done, others only whenever they are done.

- *modified from Oscar Wilde*

Analysing your data with a script is fast. Programming a script on the other hand can you take as long as analysing the data by hand.