

Paper Reading Guide

To save paper you might consider not printing the references (pages 405-412).

This is a review paper, and a fairly long one. You will need to read all of this paper, expect for most of Section 4.3 (which is 8 pages long!). You should read section 4.3c.

Reading Tips/Preparatory work:

Please know that **I am not condoning this hypothesis!** The purpose of reading such a paper is to consider the controversies that go on in the scientific community. It is good for scientists to be critical of their own work and the work of others. When a substantial amount of data is collected that supports or refutes a specific hypothesis, then those findings become part of main-stream thinking until proven otherwise.

This article refers several times to the “Durban Declaration” from the year 2000. This was a paper published in Nature that defends the HIV/AIDS hypothesis and was signed by over 5000 scientists.

This article often refers to the concept of a “passenger virus”. This is a virus that doesn’t cause any disease or symptoms.

Please come to class with the following information written down: (see Table 4 for ideas)

Describe one fact or argument in this paper that really made you consider Duesburg’s hypothesis.

Describe one fact or argument from this paper that you think is bogus.

Glossary:

Cytopathic means the ability to kill cells.

Koch’s postulates are a series of traditional requirements to assign cause of a disease to a particular pathogen (organism). The postulates are:

- The organism must be found in all animals suffering from the disease, but not in healthy animals.
- The organism must be isolated from a diseased animal and grown in pure culture.
- The cultured organism should cause disease when introduced into a healthy animal.
- The organism must be re-isolated from the experimentally infected animal.