

Danish Society for Virology (DVS)

**Baculoviruses and factors responsible
for the high level gene expression**

by

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ABSTRACT

Baculoviruses are occluded insect viruses that were traditionally investigated because of their potential as insecticides. They replicate in the nucleus and encode their own RNA polymerase that is involved in the expression of late gene products. Because of their ability to express proteins at high levels, they are widely used as expression vectors. This lecture will present an overview of the evolution of occlusion and will also review the factors responsible for the high level gene expression required for the production of occlusion body proteins. These include baculovirus early, late, very late transcription, the baculovirus RNA polymerase, and genome replication.

Everybody is welcome!

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