

Review of: "Nucleocytoviricota Viral Factories Are Transient Organelles Made by Phase Separation"

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Potential competing interests: No potential competing interests to declare.

The manuscript presented the findings and suggested mechanisms of viral factories for the acquisition of nuclear-like functions based on phase separation as biomolecular condensates (BMC) for the phylum nucleocytoviricota. It also described the role of scaffold proteins in multilayered phase separation for viral factories in the mimivirus model and the conserved molecular grammar - intrinsically disordered regions (IDR) - in the phase formation of viral factories. This manuscript is an interesting read and adds information to the cytoplasmic viral factories of granuloviruses. It would be apt to look into the ASFV with regard to its IDRs in future work.