

Legends for movies in Supplementary Material

Movie S1

Morphology of extracellular pestivirions depicted by single tilt electron tomography.

The visualization allows detailed insight into numerous cross-sections of extracellular pestivirus particles which are captured between two cells. Electron tomography reveals a detachment of both layers of the double lipid membrane from the capsid in several virions of this section.

Each single picture of the movie corresponds to a 0.5 nm-thick digital section (orthoslice) through the tomogram moving along the tomographic Z-axis.

Movie S2

Budding of a pestivirus at the ER membrane depicted by single tilt electron tomography.

The visualization allows detailed insight into numerous cross-sections of a budding pestivirus leading to a complete imagination of the process for the viewer.

Each single picture of the movie corresponds to a 0.5 nm-thick digital section (orthoslice) through the tomogram moving along the tomographic Z-axis.