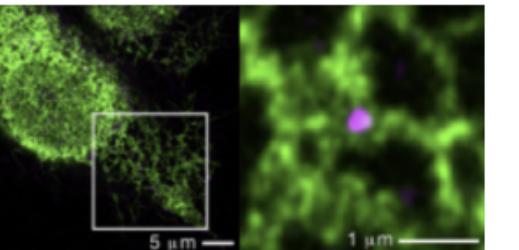


1 Expert Visual Understanding

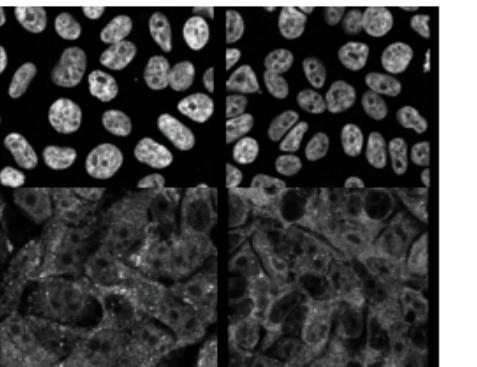
What is unusual about the result?

Perception

"How is the Seipin localized **within** the endoplasmic reticulum (ER)?"



"Do cells treated with BafA1 (left) express more p26 compared to control (right)?"

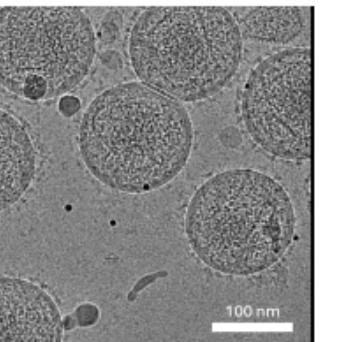


2 Hypothesis generation

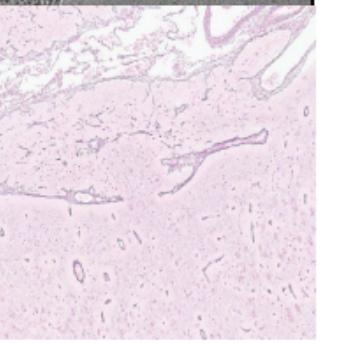
Why does this happen in my experiment?

Assessment

"Which mechanism might explain why ASLV particles show signs of merging in a CryoEM image?"



"Which glial cell is likely responsible for this **abnormal** reticular fiber pattern?"

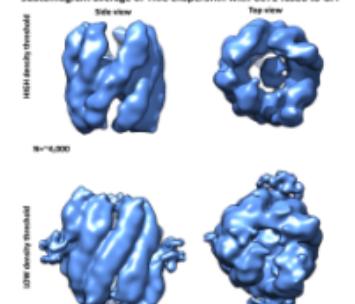
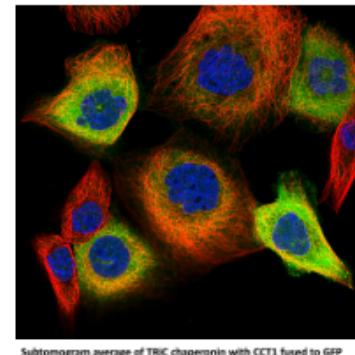


3 Experimental proposal

How do I test my hypothesis?

Action

"What experiment could you perform to test if CCNB1 protein levels relate to cell cycle stages in human A-431 cells?"



"What experimental change can increase the likelihood of achieving a high-resolution structure?"