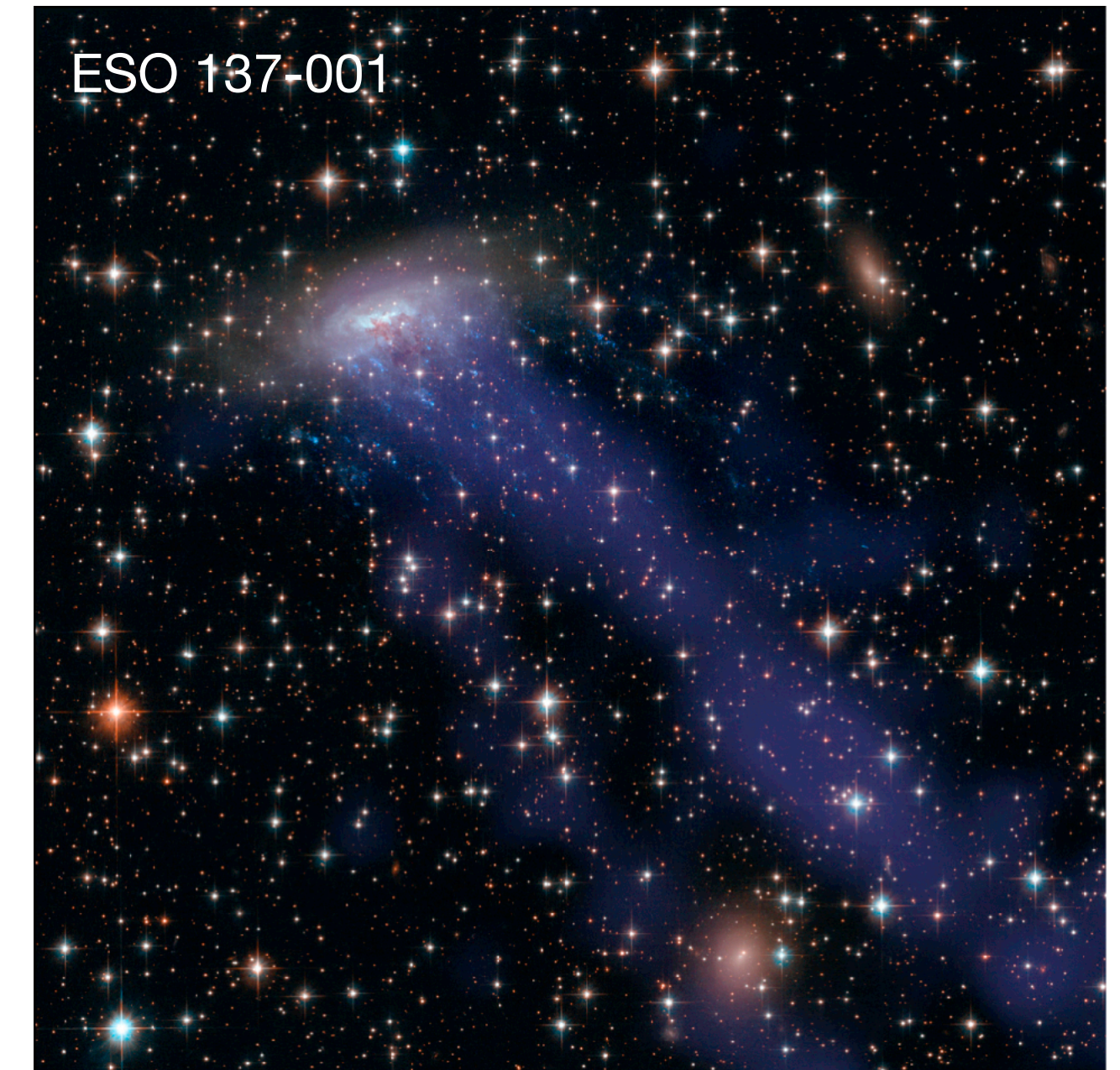


Jellyfish Galaxies in Clusters : Insights from Numerical Simulations

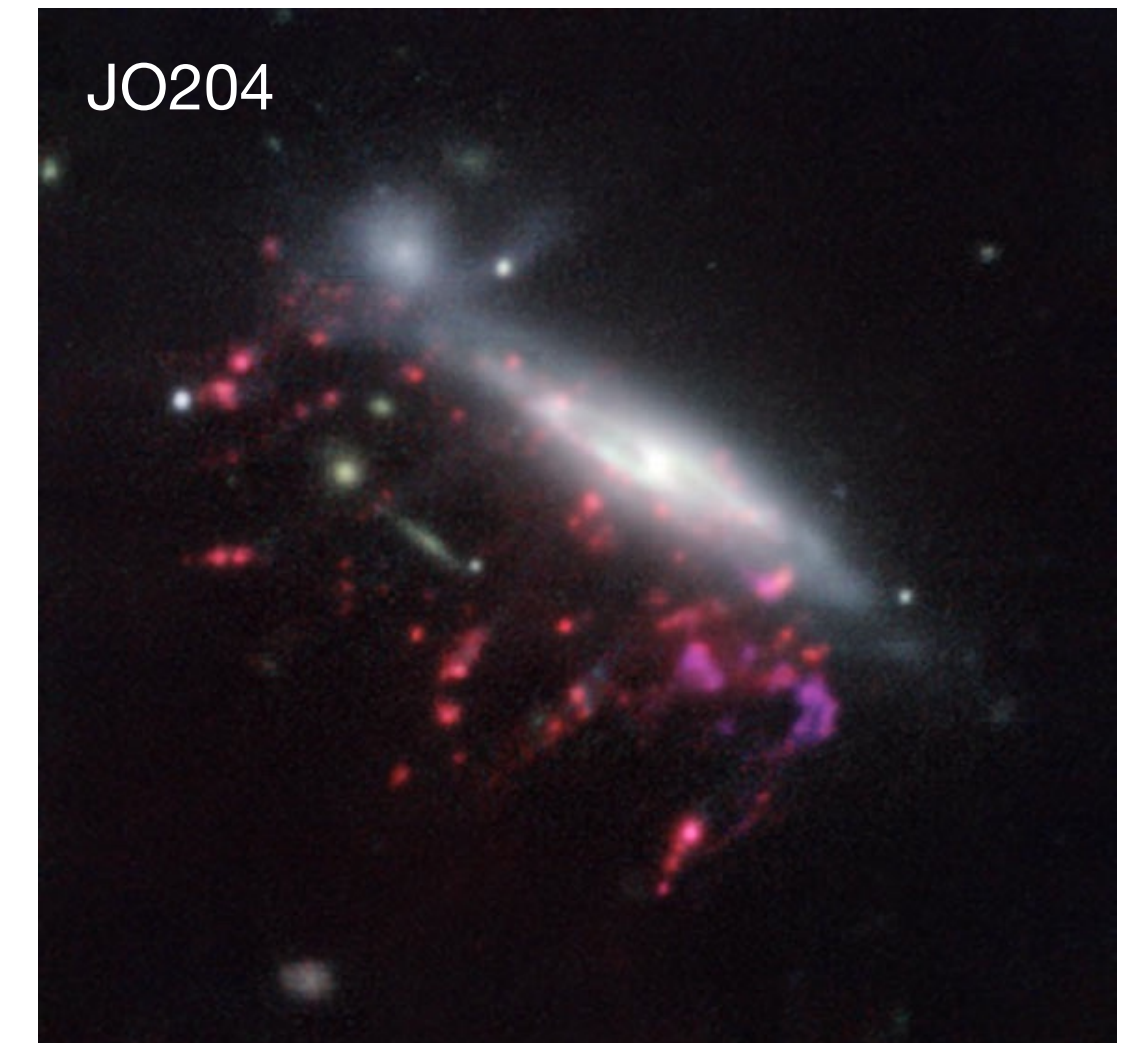
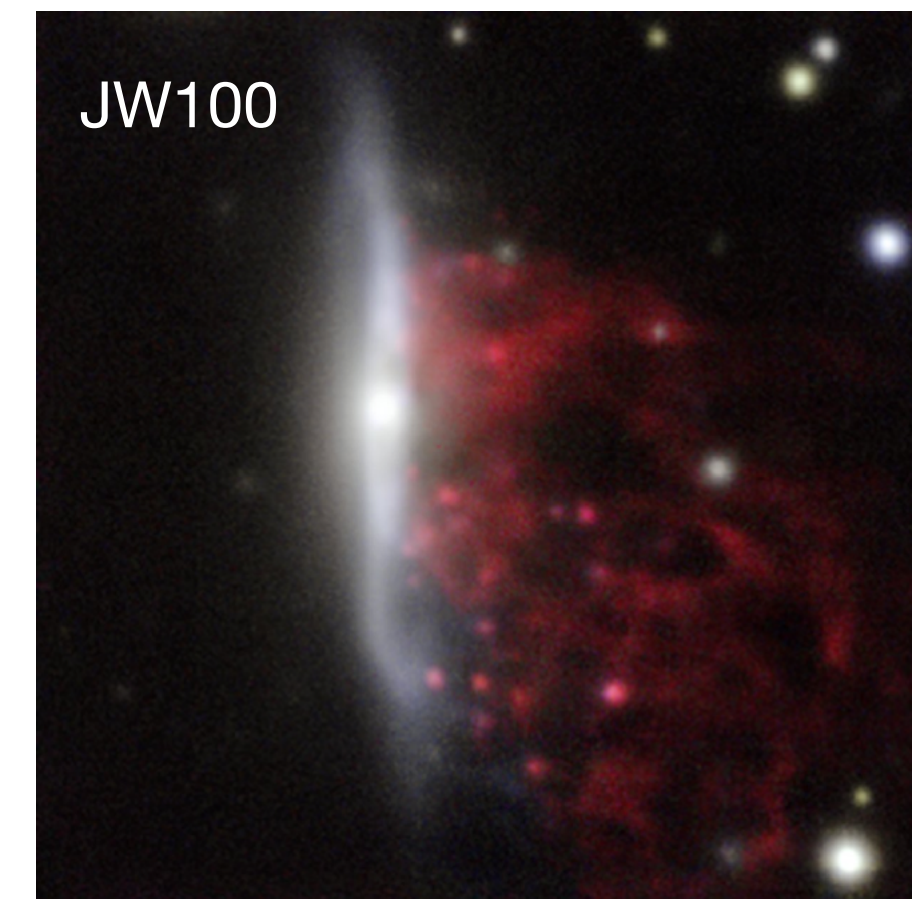
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- What are jellyfish galaxies?
- Characterized by gas trails or star-forming blobs in stripped wakes
- Mainly observed in galaxy clusters
- Visible evidence of environmental effects (ram pressure)



Optical+Xray+H α
APOD, NASA



Optical+H α MUSE/VL
ESO/ GASP collaboration

- Ram pressure stripping, a strong environmental effect
- Galaxies are redder and more spheroidal in denser environments
- How do “environments” shape galaxies?
 - Harassment
 - Starvation
 - Tidal truncation
 - Thermal evaporation
 - Ram-pressure stripping

