

# DEGRADATOR

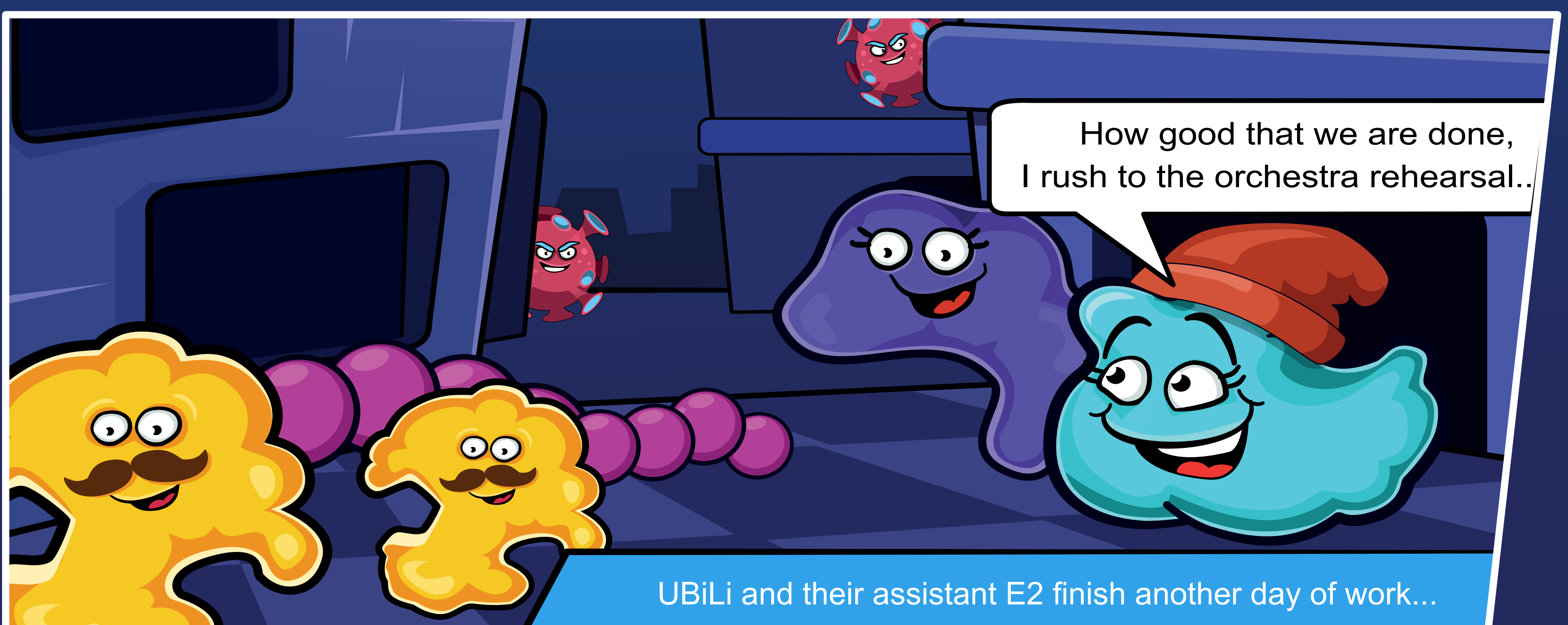
## A PROTEIN DEGRADATION GAME

DISCOVER EVEN MORE AMAZING ADVENTURES  
OF E3 UBIQUITIN LIGASE AND THEIR FRIENDS

Welcome to Cell City, where proteins rule undivided.  
However, today is no ordinary day...



How good that we are done,  
I rush to the orchestra rehearsal...



UBiLi and their assistant E2 finish another day of work...

... viruses, however, have other plans.

Of course I can, even  
a hundred times more. Watch!

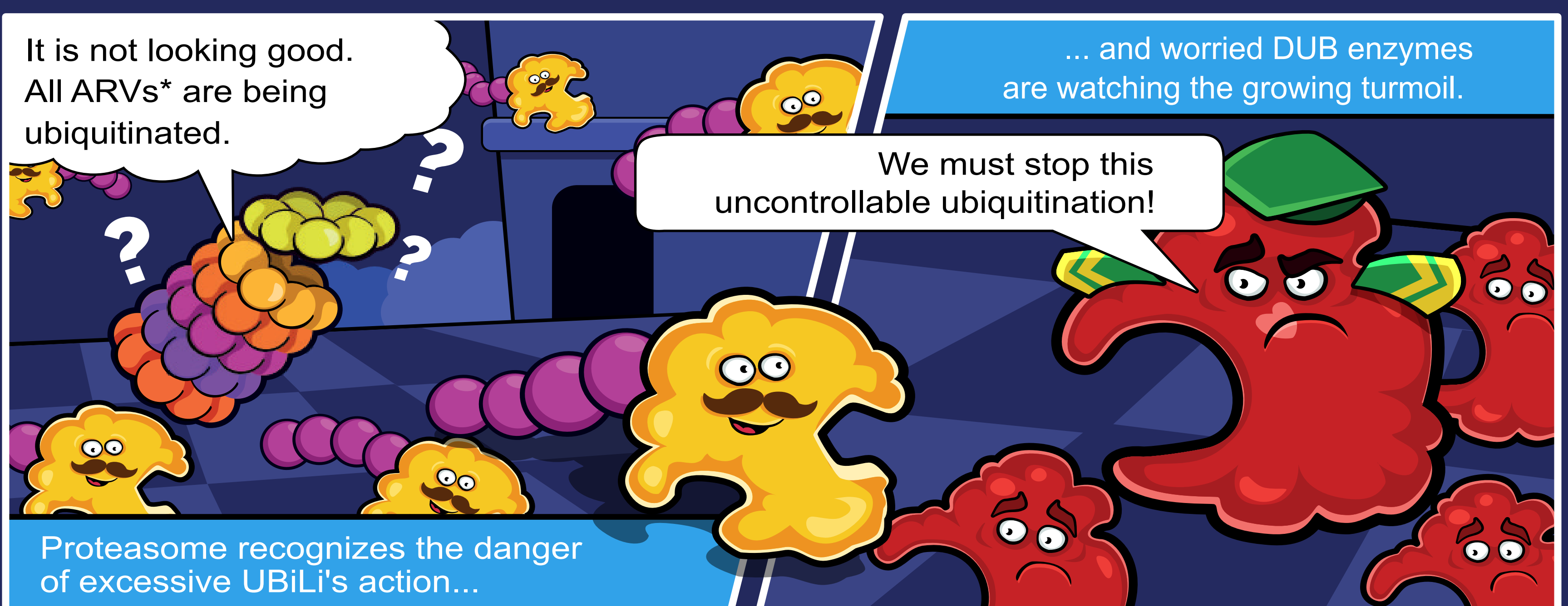
I bet for a bag of ATP  
that you can't ubiquitinate  
ten times more proteins!



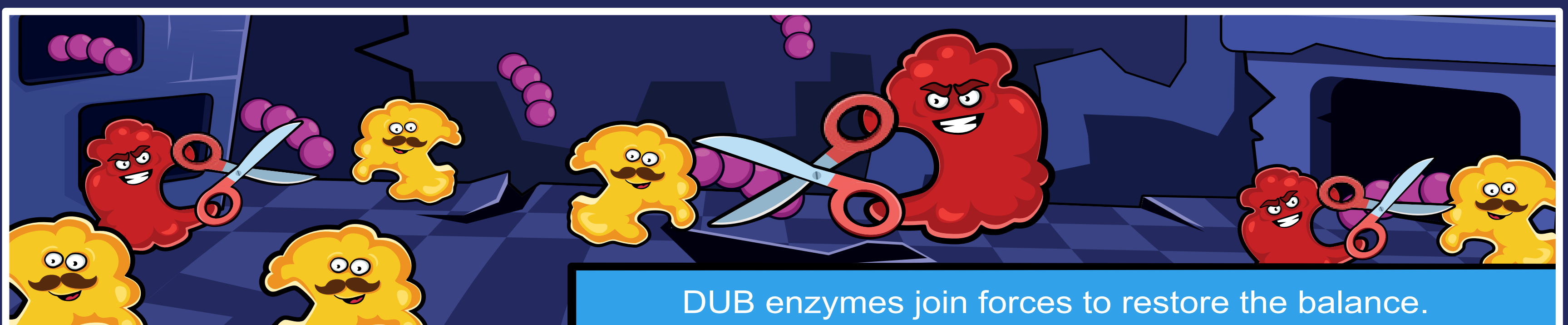
It is not looking good.  
All ARVs\* are being  
ubiquitinated.

... and worried DUB enzymes  
are watching the growing turmoil.

We must stop this  
uncontrollable ubiquitination!



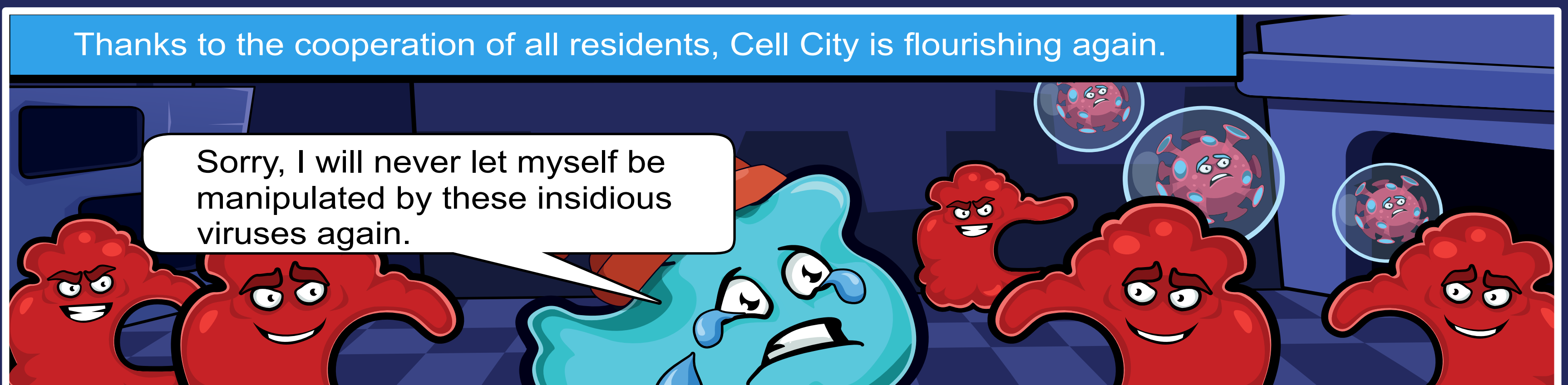
Proteasome recognizes the danger  
of excessive UBiLi's action...



DUB enzymes join forces to restore the balance.

Thanks to the cooperation of all residents, Cell City is flourishing again.

Sorry, I will never let myself be  
manipulated by these insidious  
viruses again.



\* antiretroviral restriction factors

Some viruses, such as HIV, hijack the host cell's ubiquitin-proteasome system to efficiently multiply.