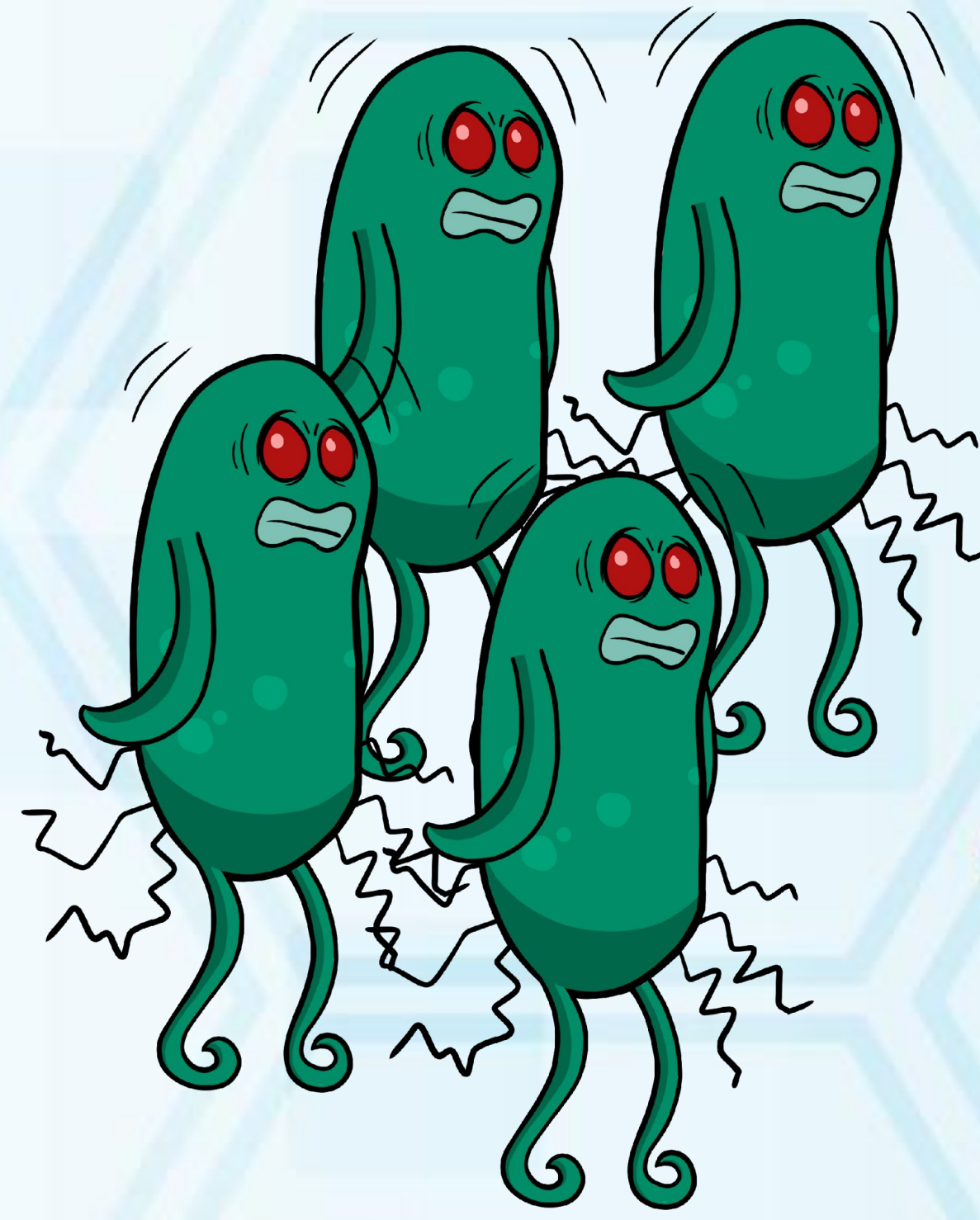
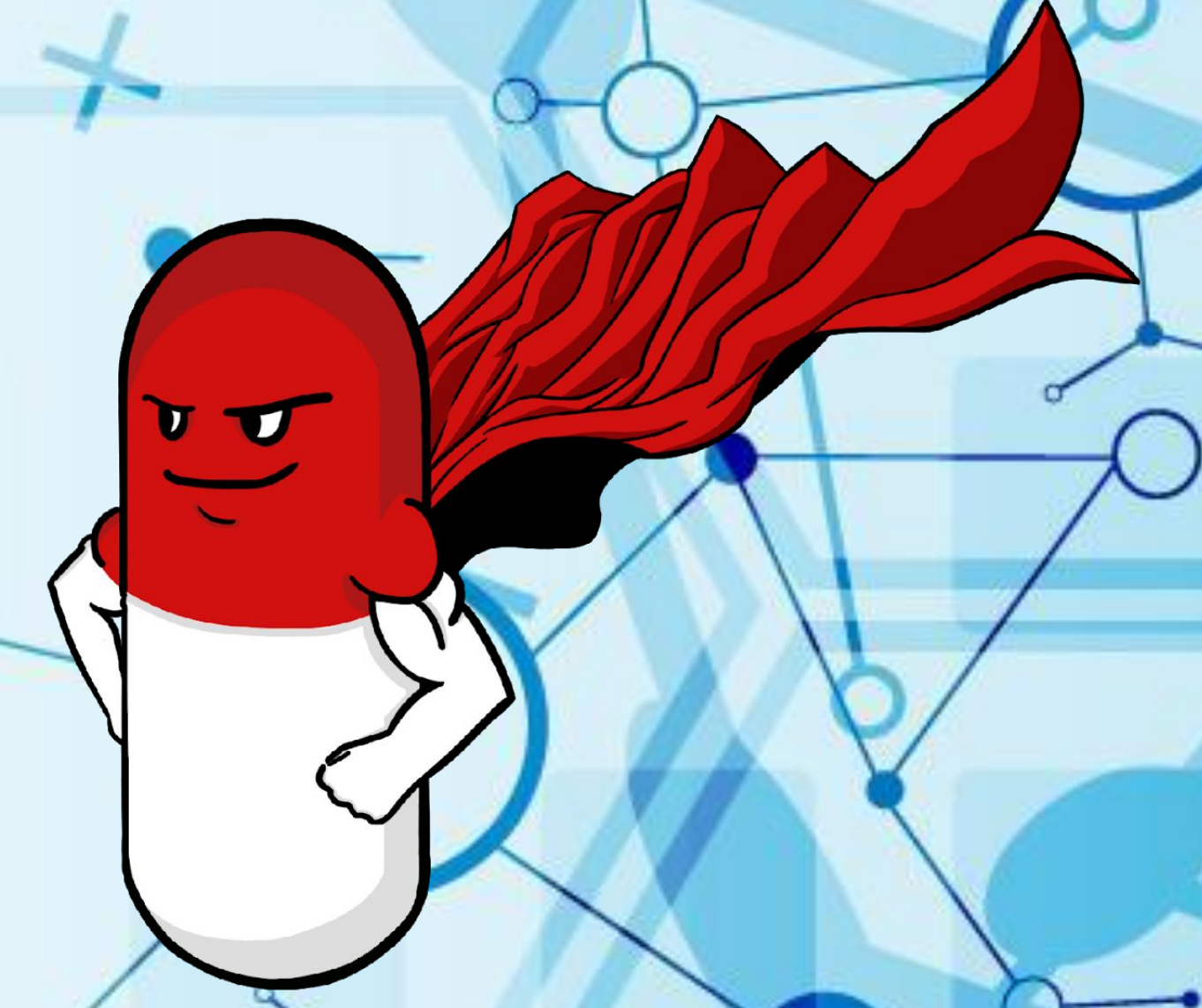


Small World Initiative (SWI)

SWI is an international project that pretends to find a solution of microorganism **bioresistance** problems



Antibiotics are molecules which prevent and treat bacterial infections



Main SWI project objective is to find new antibiotics from soil microorganisms. Soil bacteria species are the most suitable candidates for this research, which synthesize the most known **antibiotics** until now



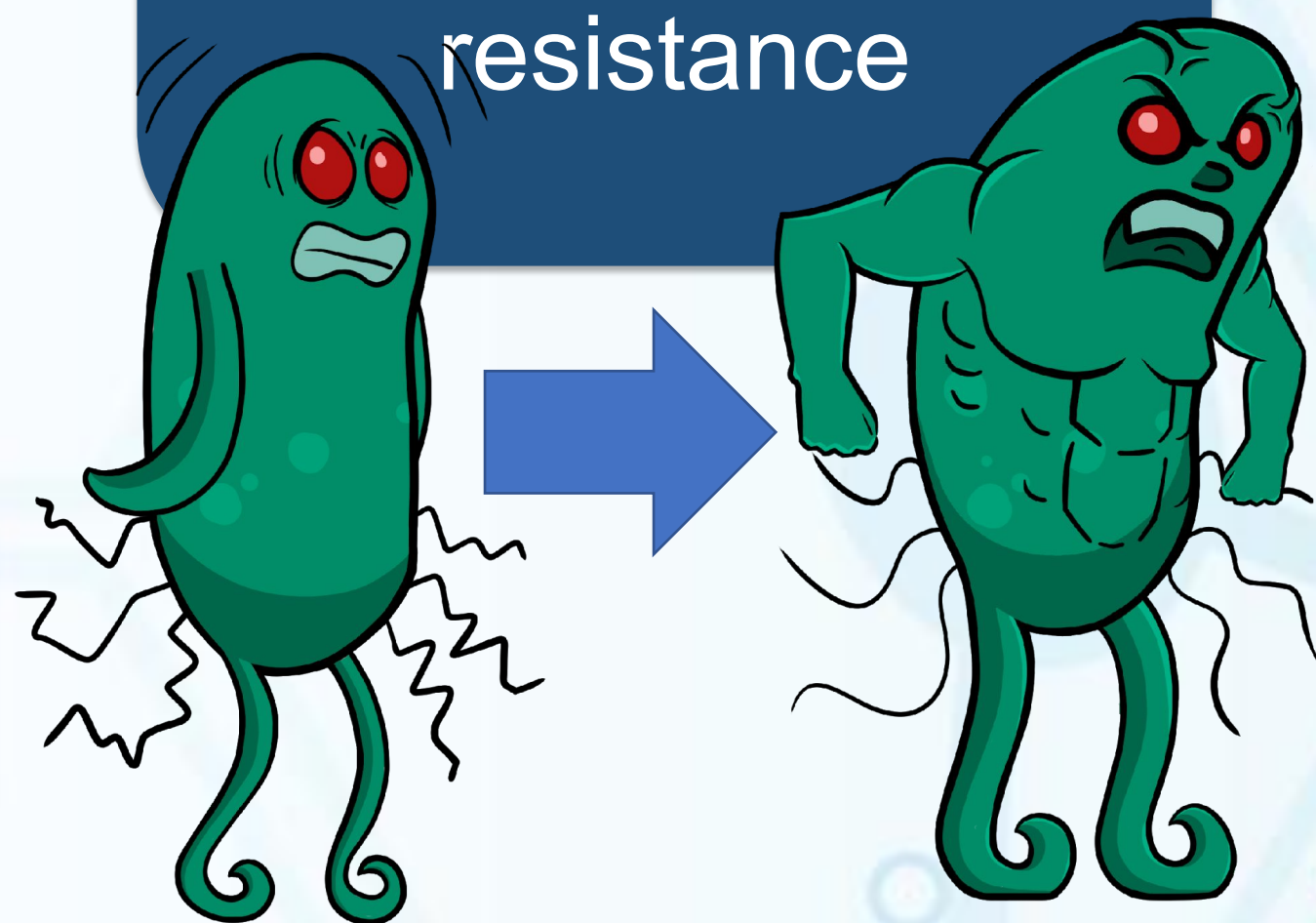
Bioresistance is the process that some sensible antibiotic microorganisms mutate or develop new manners to resist antibiotic effects

Multi-antibiotic resistance bacteria rate has been mainly increased because of:

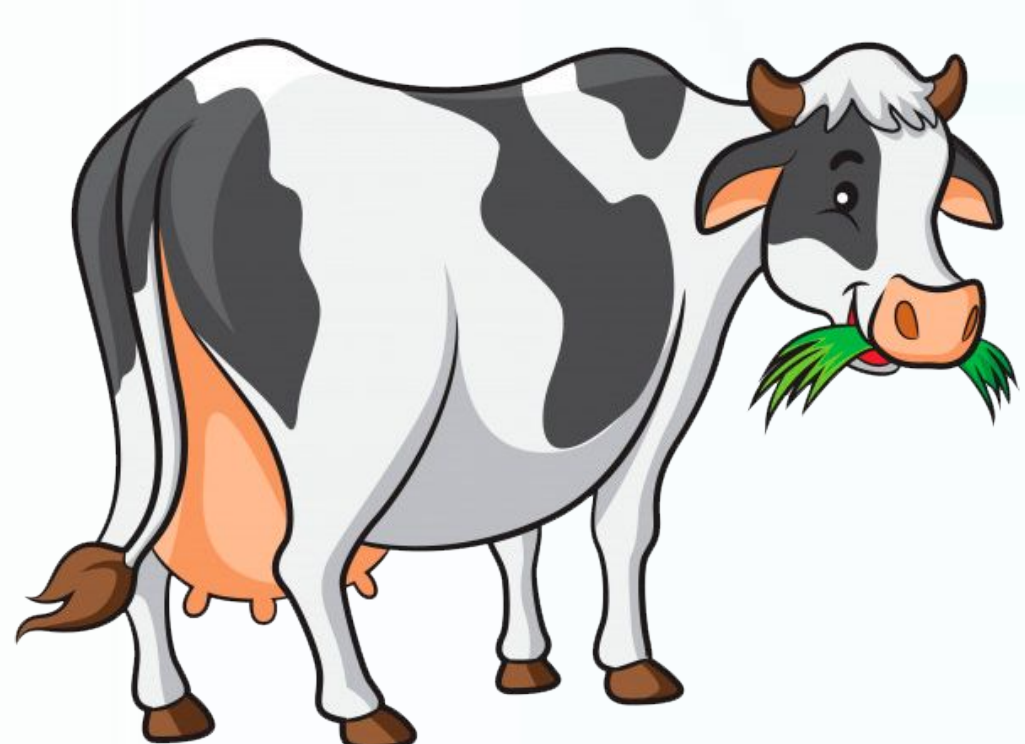
1. Inadequate use of antibiotics (e.g. for viral infections)



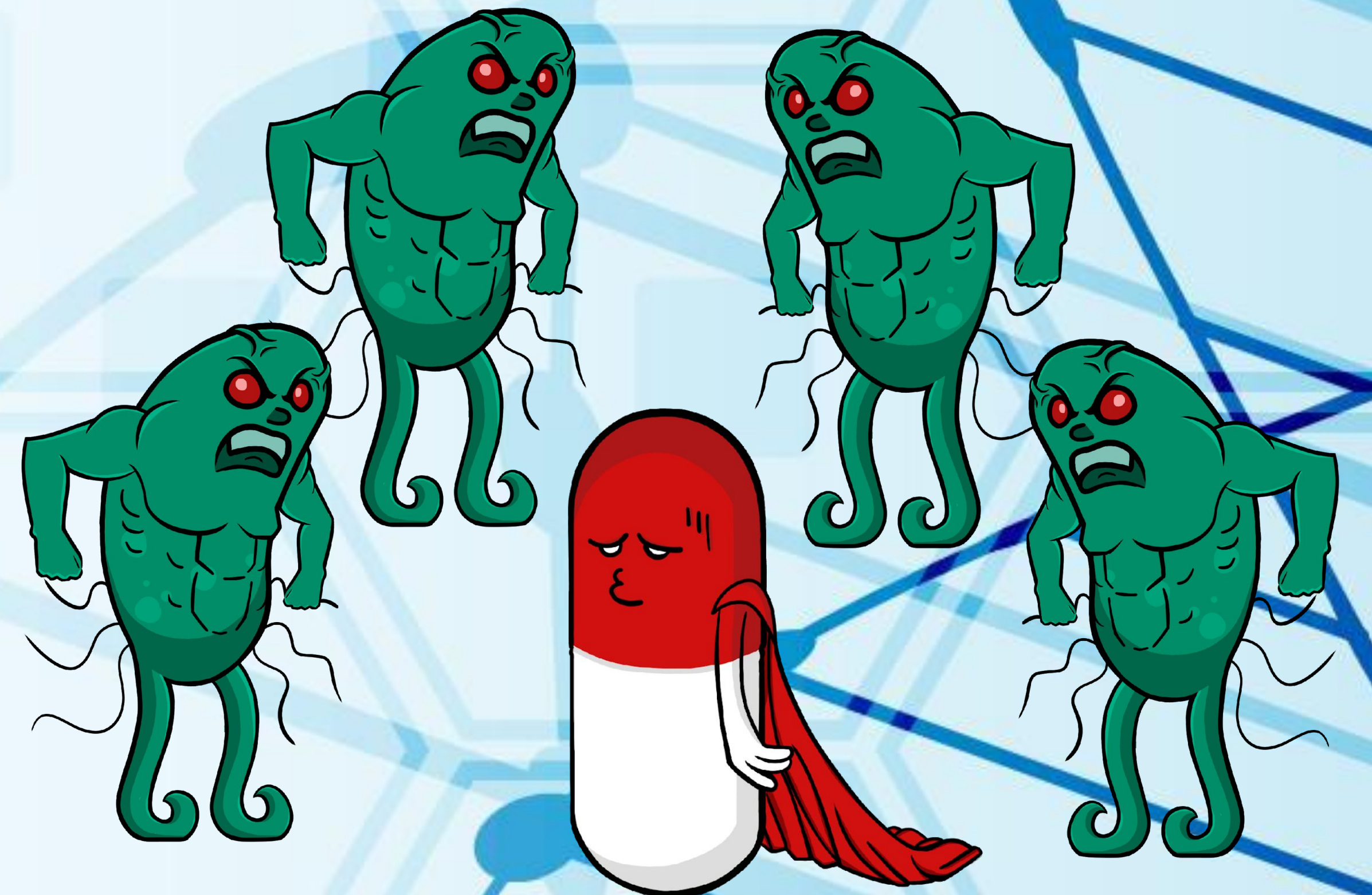
2. Uncompleted treatments, which enhance to antibiotic resistance



3. Antibiotic applications in animal production as growth promoting and the supplementation of feed with them, as a preventive measure of bacteria infections during several years



4. Diet chronic exposure to humans as a consequence of antibiotic presence in food and also in water



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Information is the key to prevent the worst!