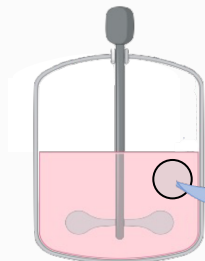
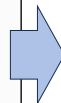
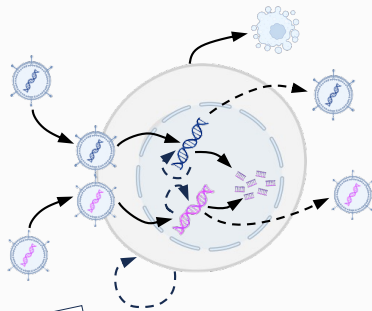


Transduction-based biomanufacturing

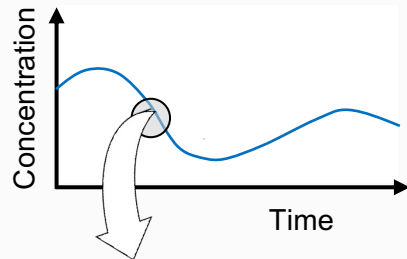


Mathematical model

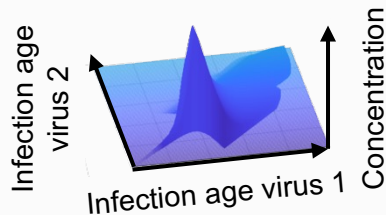


Simulation

*Total concentration
(computed for all states)*







*Population distribution
(only for distributed states)*








System states

Non-distributed states

- Virions  
- Uninfected cells 
- Nonviable cells 

Distributed states

- Infected cells   
- Cell-bound virus  
- Viral genome in nucleus 