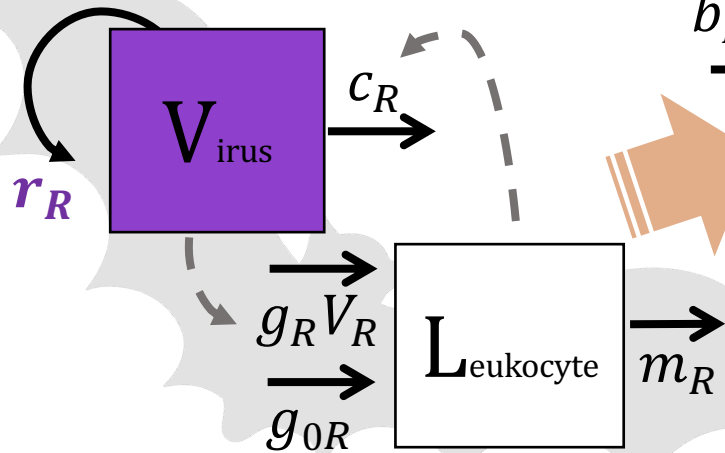
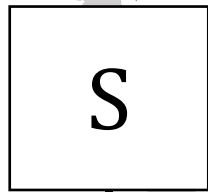
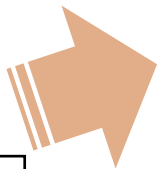


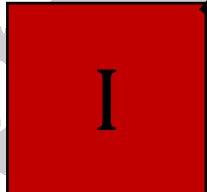
*Within-host viral
dynamics in **Reservoir**:*



b_R



βr_R



*Population-level
Reservoir dynamics:*

βr_R and αr_R are expressed as functions of within-host virus growth rates (r_R) in the **Reservoir**. Viruses optimize growth rates (r_R^*) to maximize between-host transmission (βr_R^*) while minimizing virulence (αr_R^*) in **Reservoir** populations.