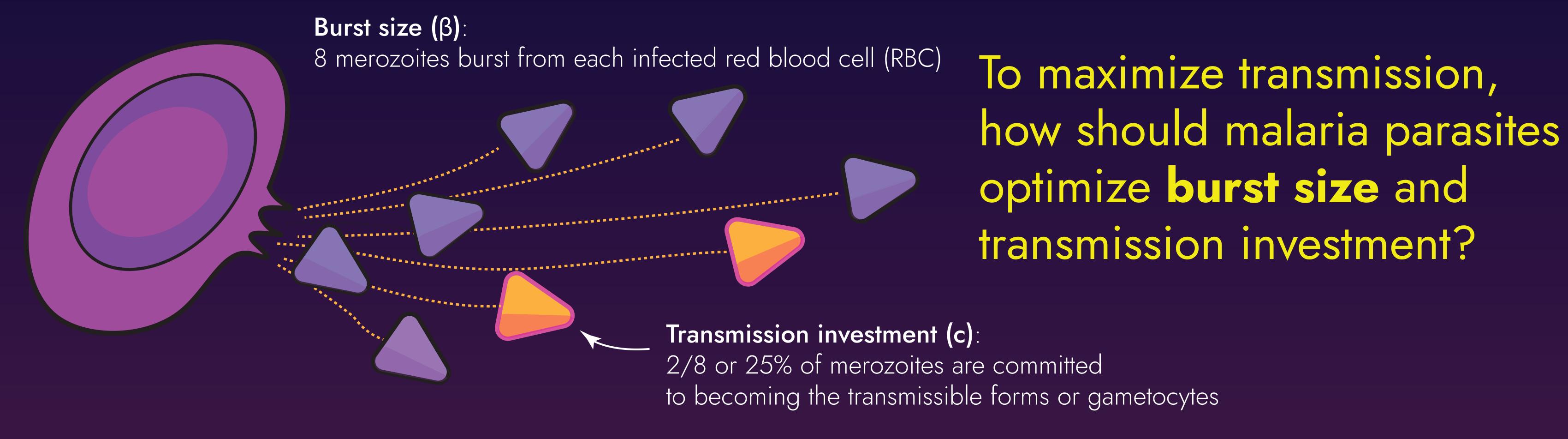
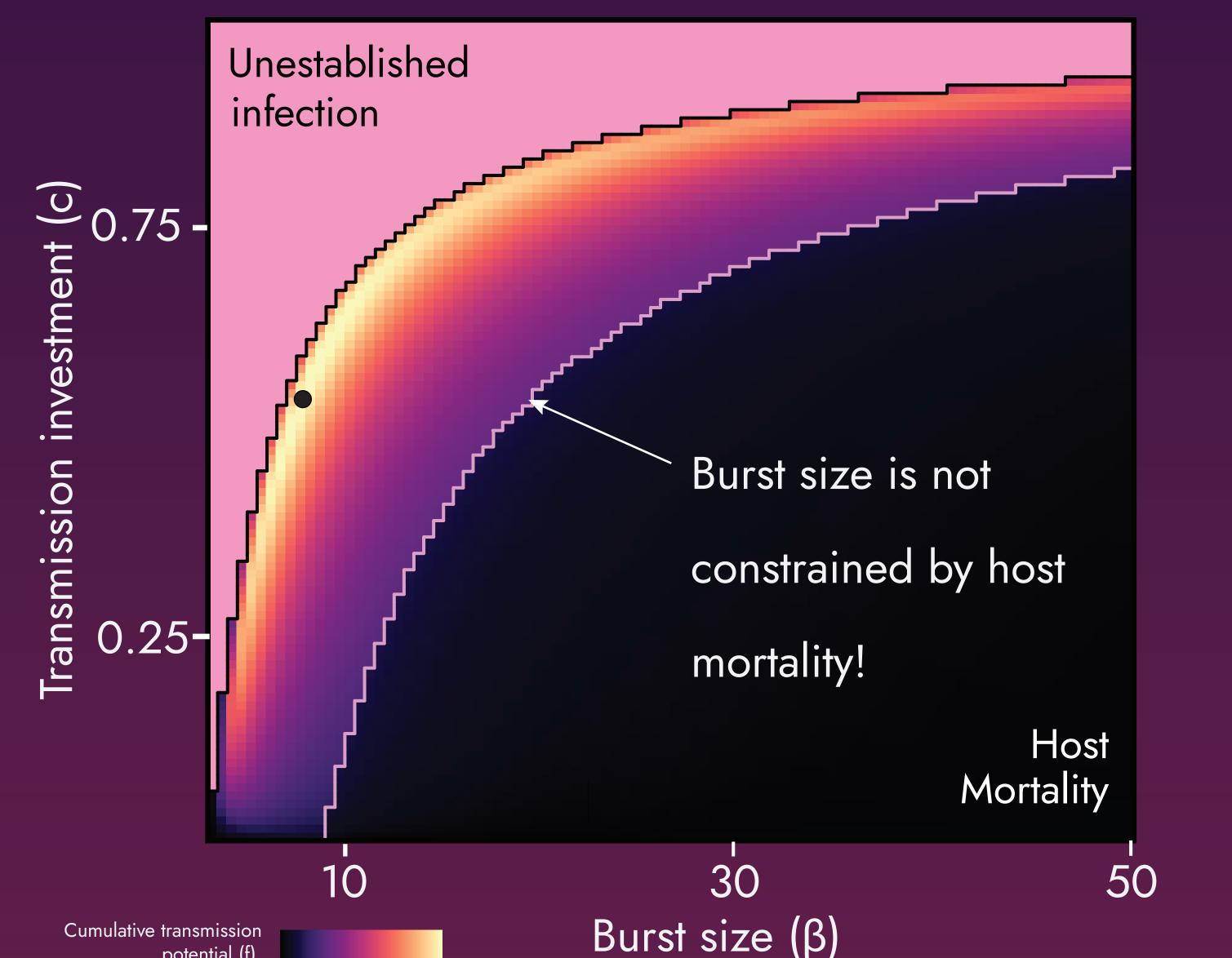
Resource availability constrains the proliferation rate of malaria parasites

Damie Pak, Tsukushi Kamiya, and Megan Greischar

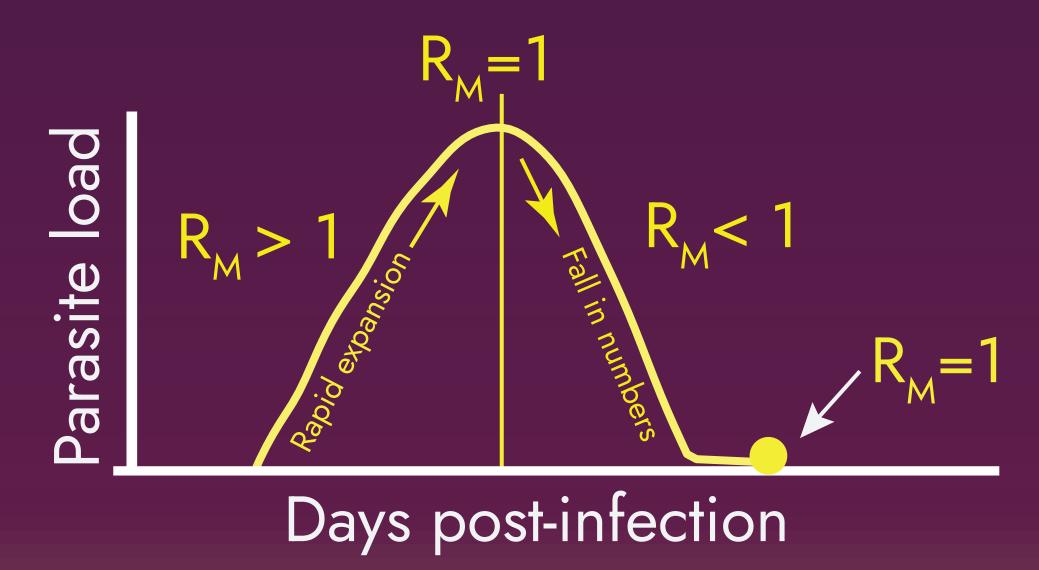


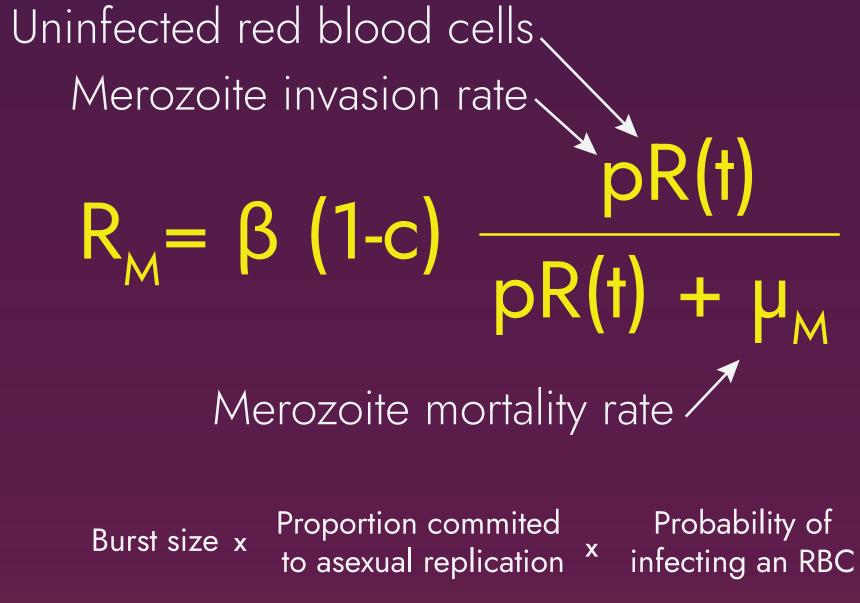


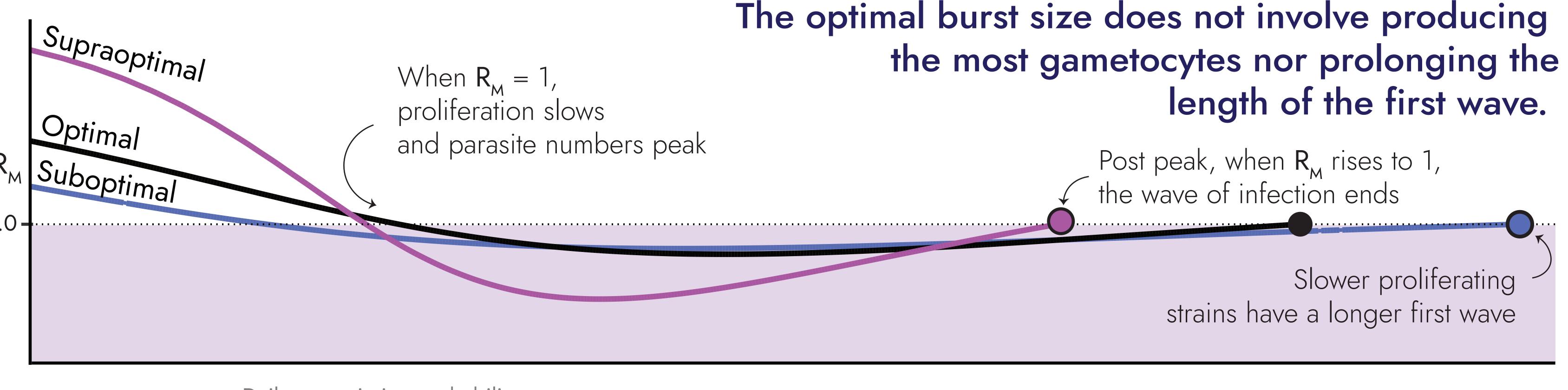
10 20 30

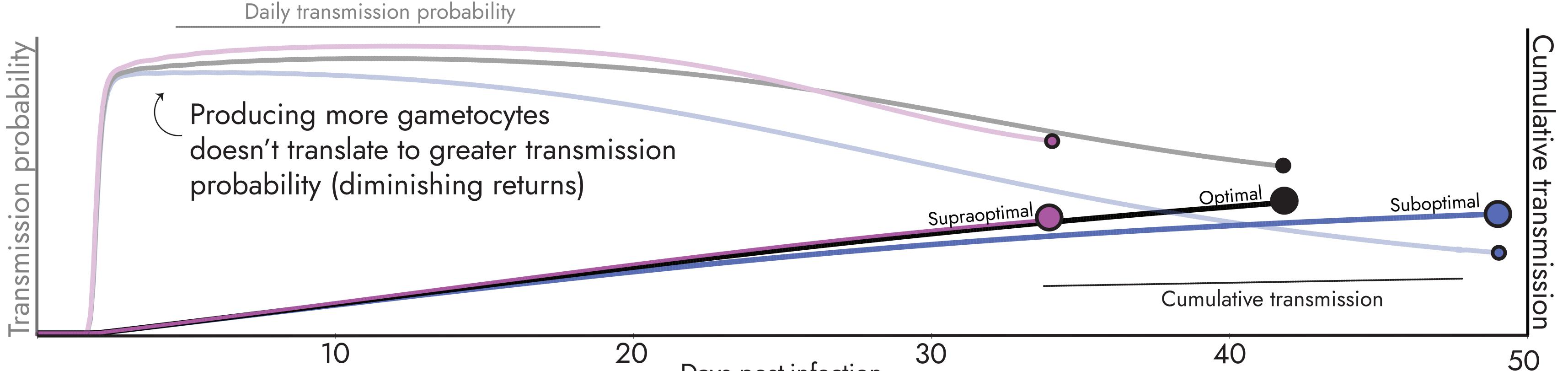
Simulating within-host infections, we find the optimal strategy is not maximizing the burst size.

To explore why, we quantify the effective merozoite number, R_M, which shows how many merozoites committed to asexual replication will infect a red blood cell.









20 30 40 Days post-infection