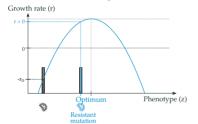
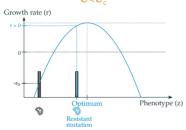
Strong Selection Weak Mutation regime U<U.



Adaptation from a single mutation emerging from a distribution of random mutants

Both the demography and the evolutionary dynamic are stochastic

Strong Selection Weak Mutation regime U<U



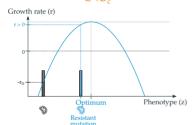
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$$P_{Rescue} = 1 - exp(-\frac{N_0 U}{r_D} f(r_D, r_{max}, \lambda, \theta))$$

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Proportion of resistant mutants among random mutations escaping stochastic loss $f(r_D, r_{max}, \lambda, \theta)$