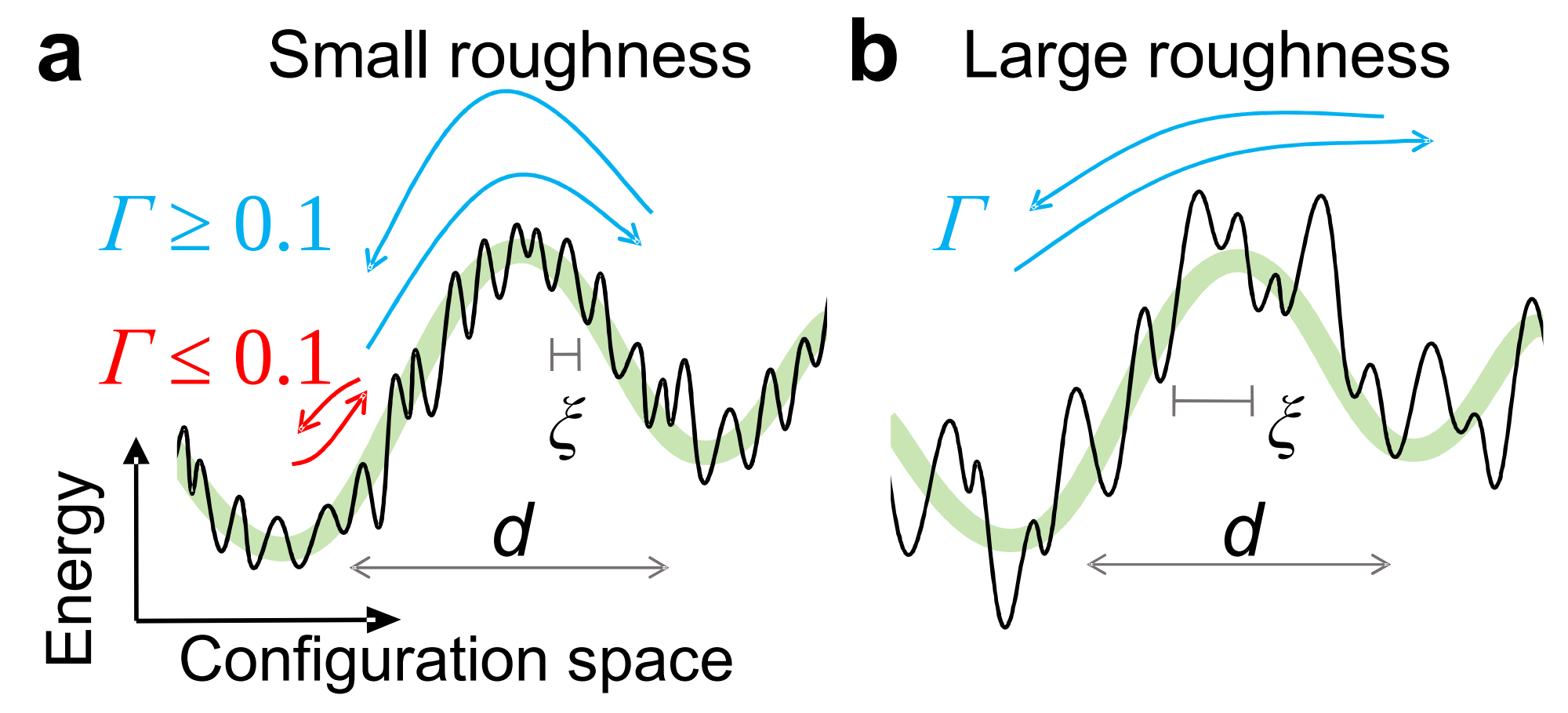
a
Small roughness
$\Gamma \geq 0.1$
$\Gamma \leq 0.1$
ξ
d
Energy
Configuration space
b
Large roughness
Γ
ξ
d