Chromosome segregation model - Three attachments states

(06/11/2015)

TODO

Attached - Shrink : Force ON
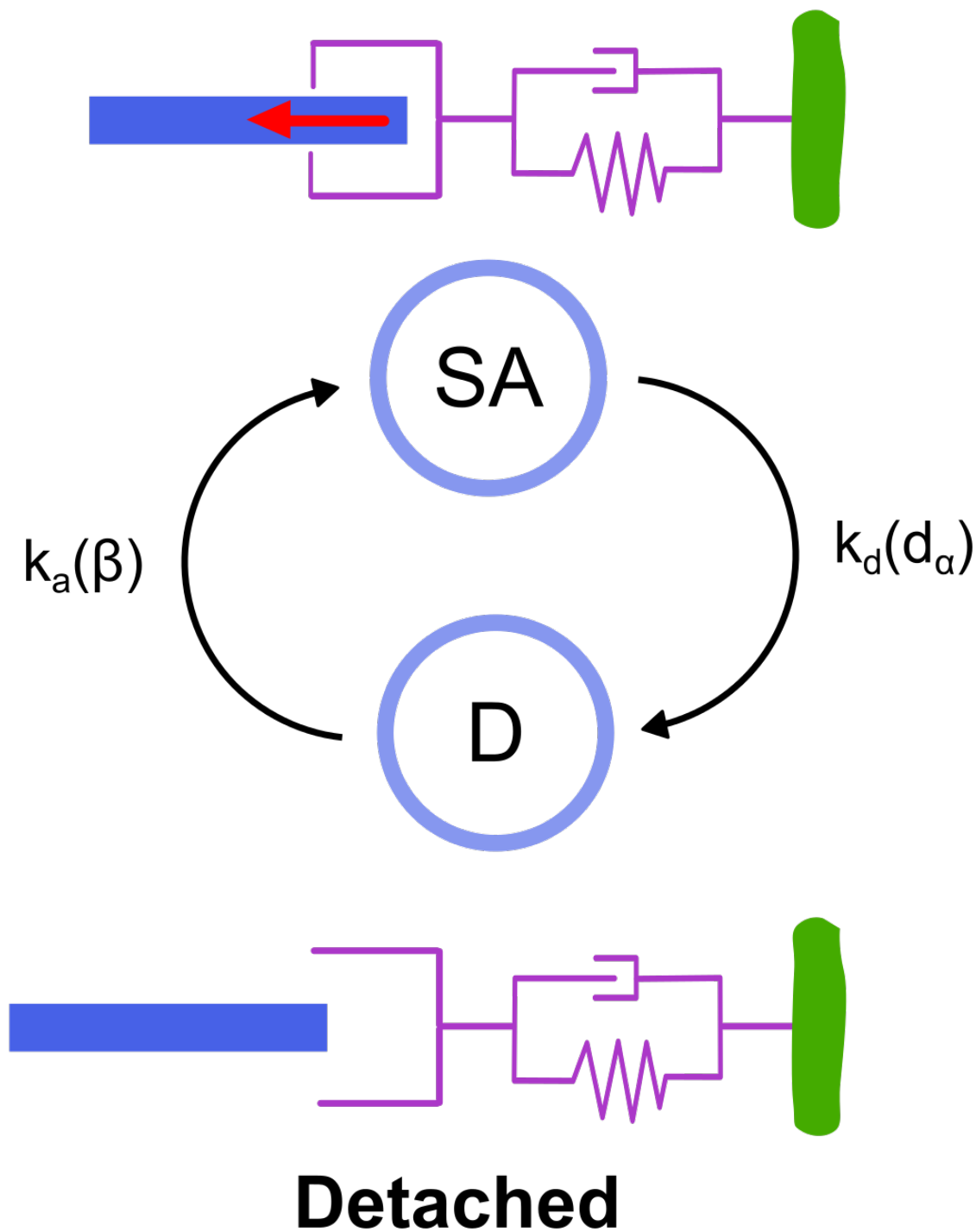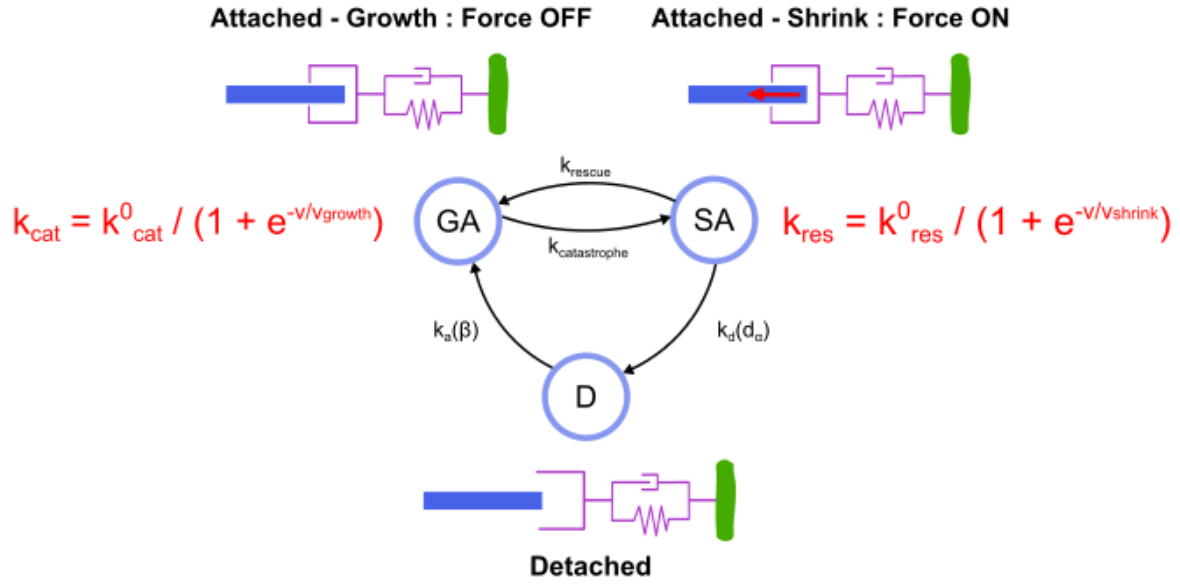

Figure 1: "Two attachments states"

Attached - Growth : Force OFF   **Attached - Shrink : Force ON**

$$k_{cat} = k^0_{cat} / (1 + e^{-v/v_{growth}})$$

k_{rescue}

GA   SA

$k_{catastrophe}$

$$k_{res} = k^0_{res} / (1 + e^{-v/v_{shrink}})$$

$k_a(\beta)$ $k_d(d_a)$

D

Detached

Transition matrix

	GA	SA	D
GA	$1 - k_{cat}$	k_{cat}	0
SA	k_{res}	$1 - (k_{res} + k_d)$	k_d
D	k_a	0	$1 - k_a$

Figure 2: "Three attachments states"