Supporting Information S1 Table.

	parameter	description	value
CTL	$v^\star$	CTL displacement velocity	$8.66\mu m/min$
	$\mu^{\star o}$	Inverse of the time required for killing one target cell	$0.038min^{-1}$
	$\kappa^\diamond$	Number of tumor cells killed by a single CTL	5
	N^o_{CTL}	CTL number at the beginning of the simulation	
Melanoma	$\Delta^\star$	Melanoma cell diameter	$12.5\mu m$
Nodule	$L^\diamond$	Melanoma nodule diameter at the beginning of the simulation	$300\mu m$
	$\lambda^\star$	Inverse of the time required for tumor cell division	$0.001min^{-1}$
	$E^\star$	Thickness of the proliferative shell of the tumor mass	2Δ
	$p^\diamond_{res}$	Probability of a tumor cell to become more resistant to CTL attack at each division	$\frac{1}{2}$
	$p^\diamond_{inv}$	Probability of a tumor cell to become "invisible" to CTL at each division	$\frac{1}{2}\left(\frac{1}{2}-\frac{1}{res}\right)$
Motility Biased	$D^\diamond$	Maximal distance allowed for CTL attraction (if distance between CTL and tumor mass $\geq \sqrt{D}$, CTL are not attracted)	$350\mu m$
	$K^\diamond$	Number of scout CTL generating a maximal attraction	10
	ν^o	Maximal level of attraction	

S1 Table. Parameters used in simulations. * estimated parameters, ^{o} varying parameters, $^\diamond$ arbitrary parameters.