

Table S1. Parameters for the mathematical model

Parameters	Values	
N	2.6	
Q	0.95	
D_u	0.00625	
D_v	0.13333	
D_n	0.00007	
X	0.00008	
k_u	15	
k_v	35	
k_p	0.006	
k_d	0.005	
$c1$	100	
$c2$	40	
$c3$	6	
$c4$	4500	
Functions	Expression	
$n_{1,0}(x)$	$0.25+1.7*\exp(-(x)^2*5)+0.2*\exp(-(x)^2*200)$	Sequential formation
$n_{2,0}(x)$	$0.05+2*\exp(-(x)^2*200)$	Sequential formation
$n_{1,0}(x)$	0	Impact of cell initial density
$n_{2,0}(x,y)$	q+fluctuations	Impact of cell initial density
Presented are the various constants and parameters used in the numerical resolution of the mathematical model.		