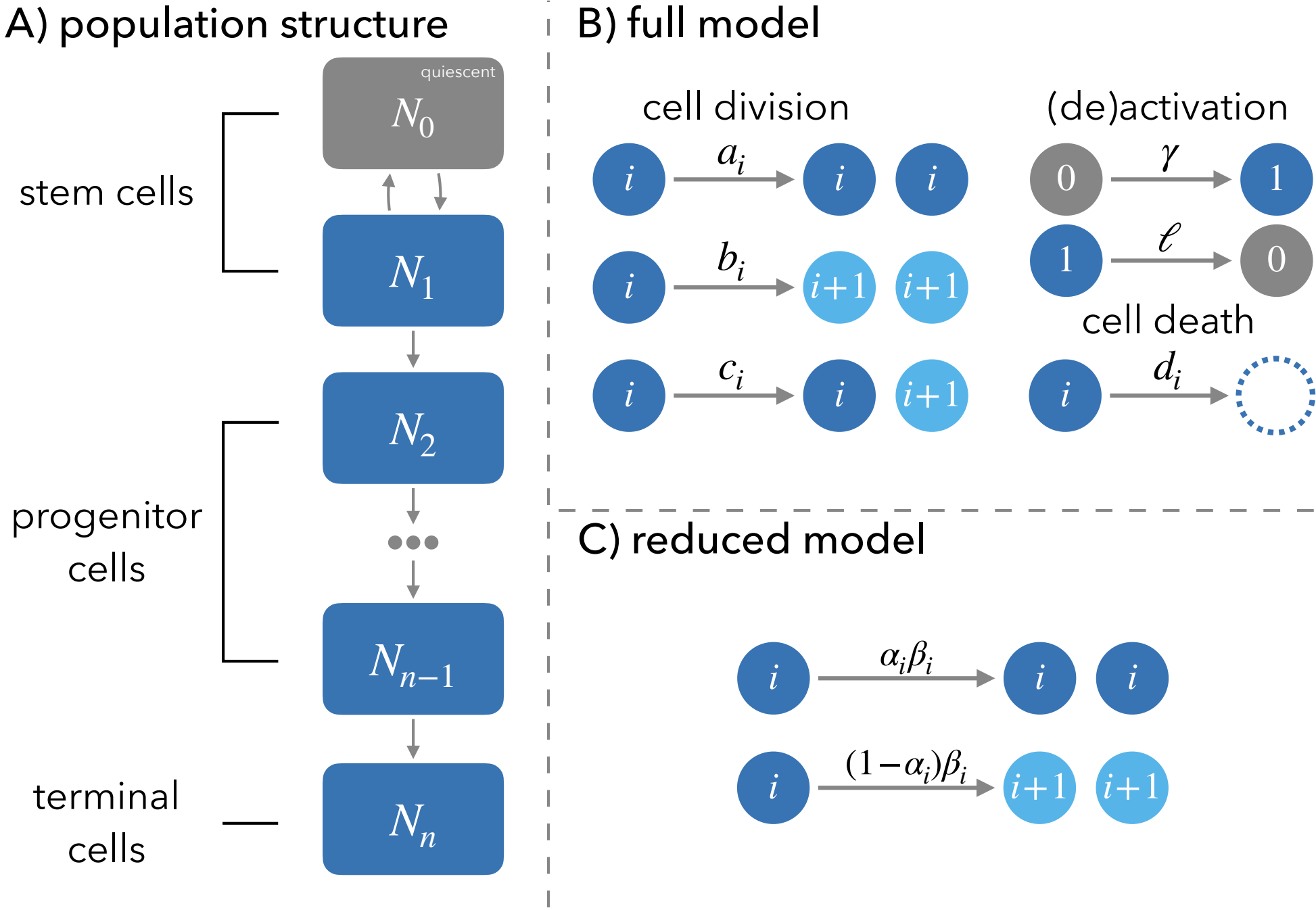
A) population structure
quiescent
N_0
stem cells
N_1
N_2
progenitor cells
N_{n-1}
terminal cells
N_n
B) full model
cell division
a_i
b_i
c_i
(de)activation
γ
ℓ
cell death
d_i
C) reduced model
$\alpha_i\beta_i$
$(1-\alpha_i)\beta_i$