**Track changes**

**Immediate modification required**

**In epithelium\_submodel.cpp line 183**, I have added condition for secretion of anti-inflammatory cytokines while killed by CD8+ T cells. But probably this is applied only at one time point instead of constant supply

**In immune\_submodels.cpp line 412,** I set phenotype.motility.is\_motile = true. Added other function for fibroblast and anti-inflammatory cytokines. The parameter values are added in PhysiCell\_settings.xml file. But not sure whether this command will automatically add the anti-inflammatory cytokine gradient for fibroblast motility (find no direct connection in code file).

**Overall Changes**

**immune\_submodels.cpp**

**Added line**

Line 8

Line 366-415

Line 771-781

Line 937

Line 942

Line 1049-1089

Line 1148

Line 1154-1156

**epithelium\_submodel.cpp**

**Added line**

Line 147

Line 166

Line 183

**custom.cpp**

**Added line**

Line 360

Line 364 (added 5th column value)

Line 398-404

**PhysiCell\_settings.xml**

**Added line**

Line 181-188

Line 310-312

Line 629-658

Line 695-700

Line 714-715

Line 732-733