

Actual

Acute lung injury

Apparent

Prolonged GMCSF production

GM-CSF released

24hr GMCSF increase

Rapid neutrophil influx

GMCSF consumption

Reduction of GMCSF concentration

GMCSFR internalisation

Continuous GMCSFR signaling due to high spare receptor capacity

Loss of GMCSFR from neutrophil cell surface

GMCSFR signaling

Neutrophil resistance to apoptosis

Requires sustained GMCSFR signaling

