Muscle fiber & Capillaries

Pro-inflammatory cytokines and chemokines

DAMPs released from dead and damaged cells

Immunocytes & Capillaries

Cytokines & Chemokines

Interstitial Space

Capillary

DAMP TLR

Other cell types

pDC

mDC

MΦ

Capillary loss and Hypoxia

Ifn-α, Ifn-β, Tnf-α, IL-1, IL-12, IFN-γ

Pro-inflammatory cytokines and chemokines

TNF TNFR

DAMP TLR

IL-1 IL-1R

Endosomal TLRs

NF-kB

Transcription of MHC class I, Cytokines, Chemokines, Adhesion molecules

Release of DMAPS

Secretion of cytokines

Inhibition of muscle differentiation

Muscle damage and Weakness