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# Guanylate-binding Protein 1 (GBP1) contributes to the immunity of human mesenchymal stromal cells against toxoplasma gondii

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Ayala, F and Xiang, A

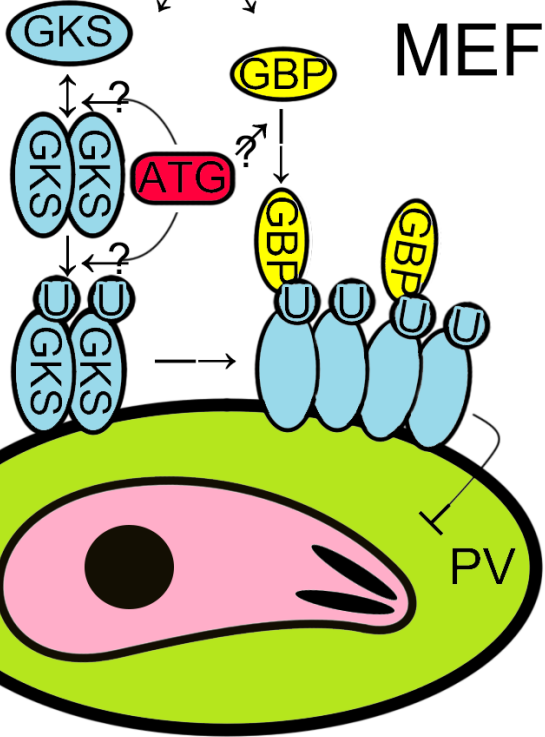
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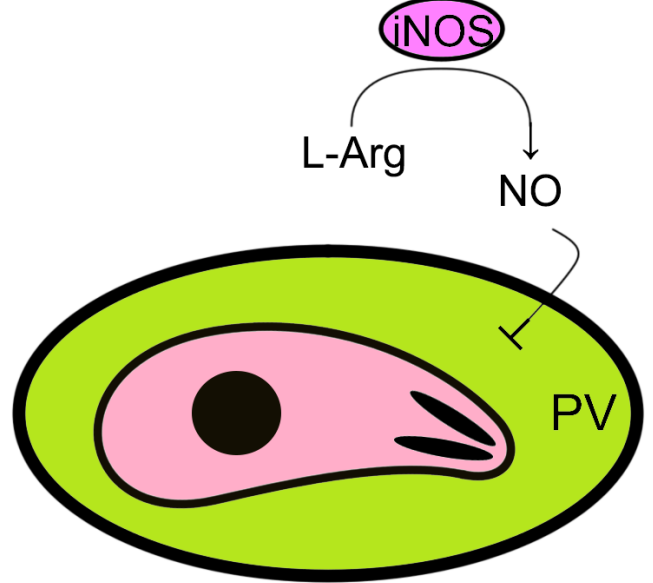
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IFN- $\gamma$



IFN- $\gamma$ +TNF $\alpha$ +IL1 $\beta$

mMSC



IFN- $\gamma$

HFF

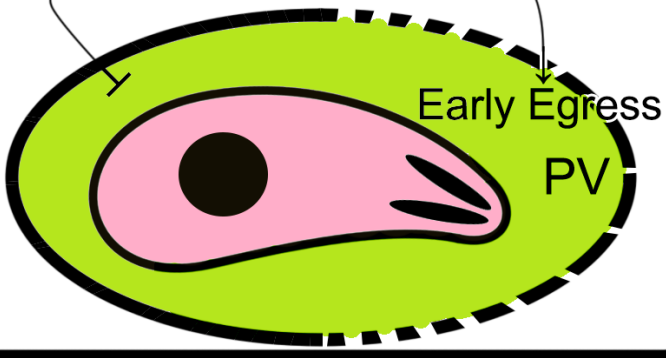
IDO

L-Trp depletion

Unknown Mechanism

Early Egress

PV



IFN- $\gamma$

hMSC

IDO  
L-Trp depletion

