

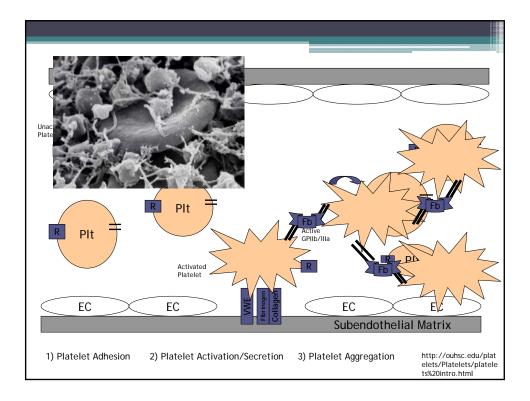
TLR2 Affects Megakaryocyte Gene Expression

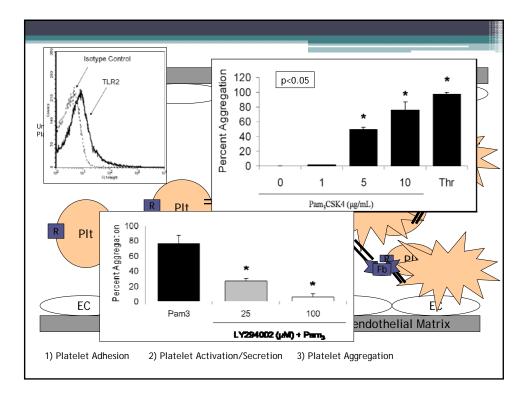
Increases in Thrombotic Related Genes:

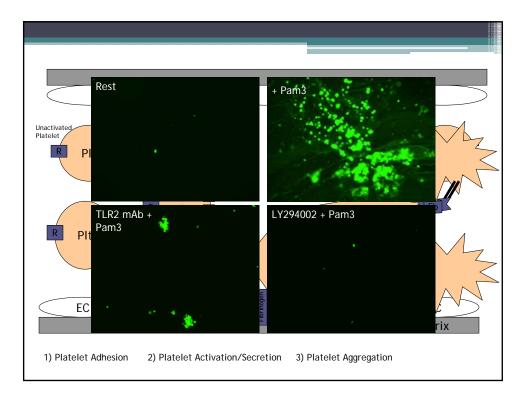
- GP1b through PI3K/Akt and ERK-MAPK pathways;
- CD41 through PI3K/Akt and ERK-MAPK pathways;

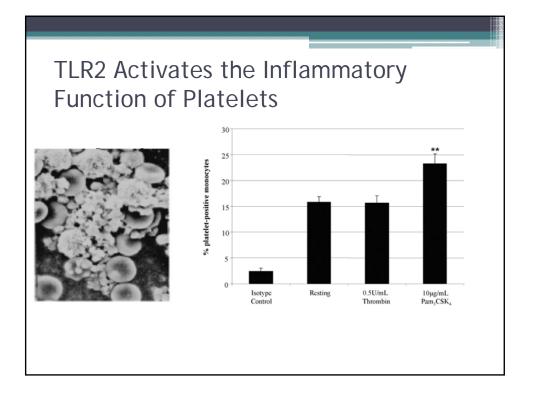
Increases in Inflammatory Related Genes:

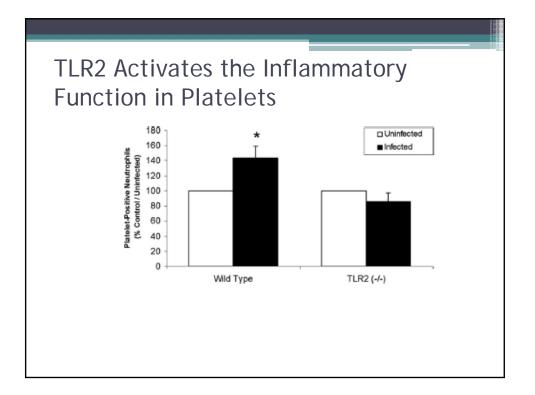
- MCP-1 through PI3K/Akt, ERK-MAPK, and NFκB pathways;
- COX2 through NFκB pathways;
- TLR2 through PI3K/Akt, ERK-MAPK, and NFκB pathways;
- NFκB1 through NFκB pathways.

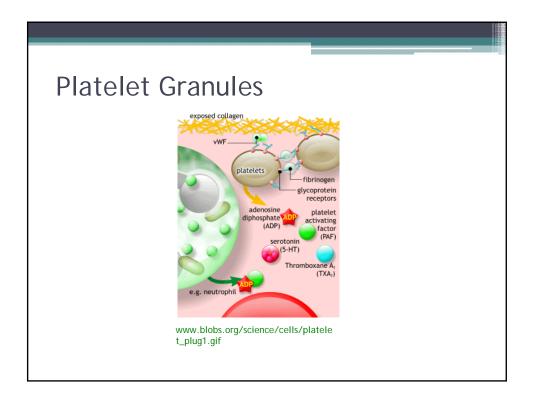


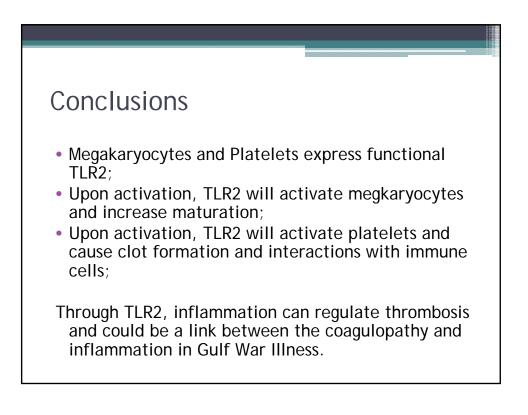












Future Direction Test platelet function in Individuals with Gulf War Illness - including platelet aggregation, adhesion, heterotypic aggregate formation, TLR expression; Test for activation of coagulation - including thrombin generation, TAT complex, fibrin monomer; Determine if there are alterations in gene expression in platelets and immune cells-

microarray, real-time PCR for specific genes

