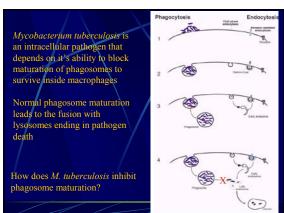
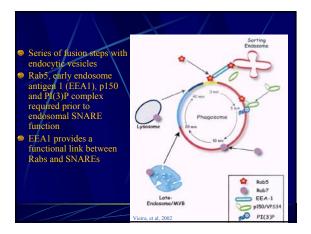
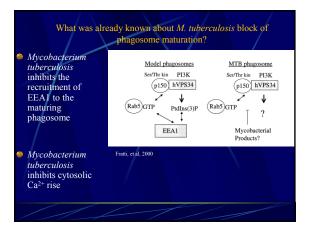
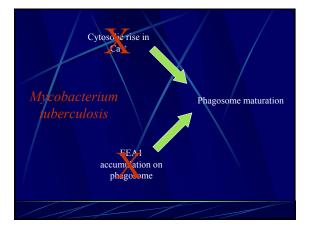
Tuberculosis Toxin Blocking Phagosome Maturation Inhibits a Novel Ca²⁺/Calmodulin-PI3K hVPS34 Cascade Isabelle Vergne, Jennifer Chua, and Vojo Deretic 2003 J Exp Med 198(4):653-9.

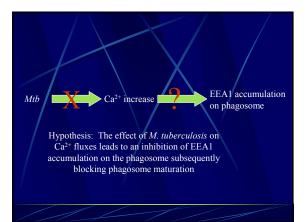
Presented by Ruby April 28, 2004

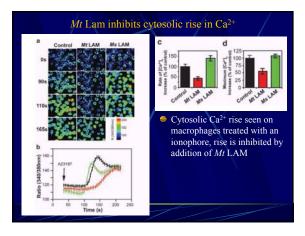


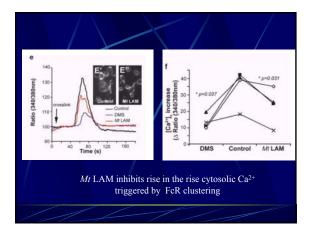


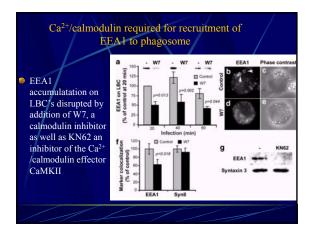


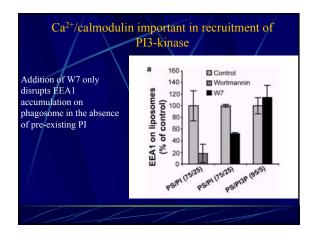


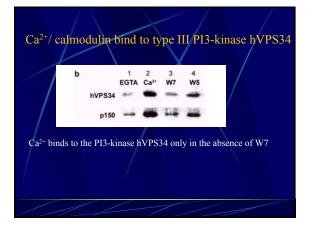


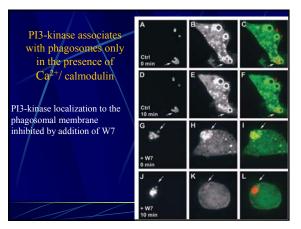












Conclusions

- *Mt* Lam inhibits intracellular rise in Ca²⁺
 Inhibition of Ca²⁺/calmoduin prevents recruitment of PI3-kinase to the phagosome
- Inhibition of PI3-kinase prevents EEA1 recruitment
- Lack of EEA1 on phagosome blocks further maturation

