Immune role of Rab20 during phagosome maturation
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Summary
Rab20 is a small GTPase which expression is up-regulated in macrophages via NF-κB during mycobacterial killing in phagolysosomes (Gutierrez et al., 2008. J. Immunology). Interestingly, Rab20 is the only member of the Rab protein family that is up-regulated during active tuberculosis (Berry MPR et al., 2010). This protein was originally described as mainly associated with endocytic organelles and involved in vATPase trafficking, but a functional role of this small GTPase is still obscure. Here, I will discuss the immune-regulated function of Rab20 in macrophages in the context of mycobacterial phagosome maturation dynamics.