

# Challenging Character and Importance of Genome of *Mycobacterium tuberculosis* in Host Organism †

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**Abstract:** In the current situation, one of the leading critical diseases is tuberculosis; from the period when it is discovered, it shows unbelievable characteristics in its molecular mechanism towards drug resistance, survival, and manipulation of the immune system. Several drugs are discovered to treat TB, but it keeps on resisting by some mutation and become very strong by those mutations, so here we should look at that thing which makes the bacterial stronger and some outstanding character in molecular level which make them viable after facing all types of growth resisting drug and methodology. The kingmaker and huge reason for this challenging character of mycobacterium tuberculosis (MTB) is a genetic system of MTB which have the full potential to do all type of molecular mechanism to make MTB immortal. We gone see about challenging character and importance of genome of MTB.

**Keywords:** *Mycobacterium tuberculosis*; genome; immune system

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