Student number: 217079070

Name: ADEWUMI, Adeniyi Thompson

Thesis Title:

Therapeutic Strategy to end Tuberculosis (TB) World: Structural and Functional

Characterisation of Potential Weak Hotspots of *Mycobacterium tuberculosis* Molecular Targets

from Combinatorial *in silico* Perspective

Citation:

Tuberculosis has remained the top leading infection globally with most morbidity and mortality rate in recent decades due to continuous evolving mutation-mediated and acquired drug resistances by new *Mycobacterium tuberculosis* (*Mtb*) *strains*. Yet there have been successive novel control strategy achievements through diagnosis and various chemotherapy approaches, which have subsequently become less effective or ineffective. However, combined integrated computational and bioinformatics approaches incorporated into drug design using critical *Mtb* molecular targets to search for effective inhibitors could provide potential inhibitory and mechanistic insights leading to the discovery of antitubercular agents.