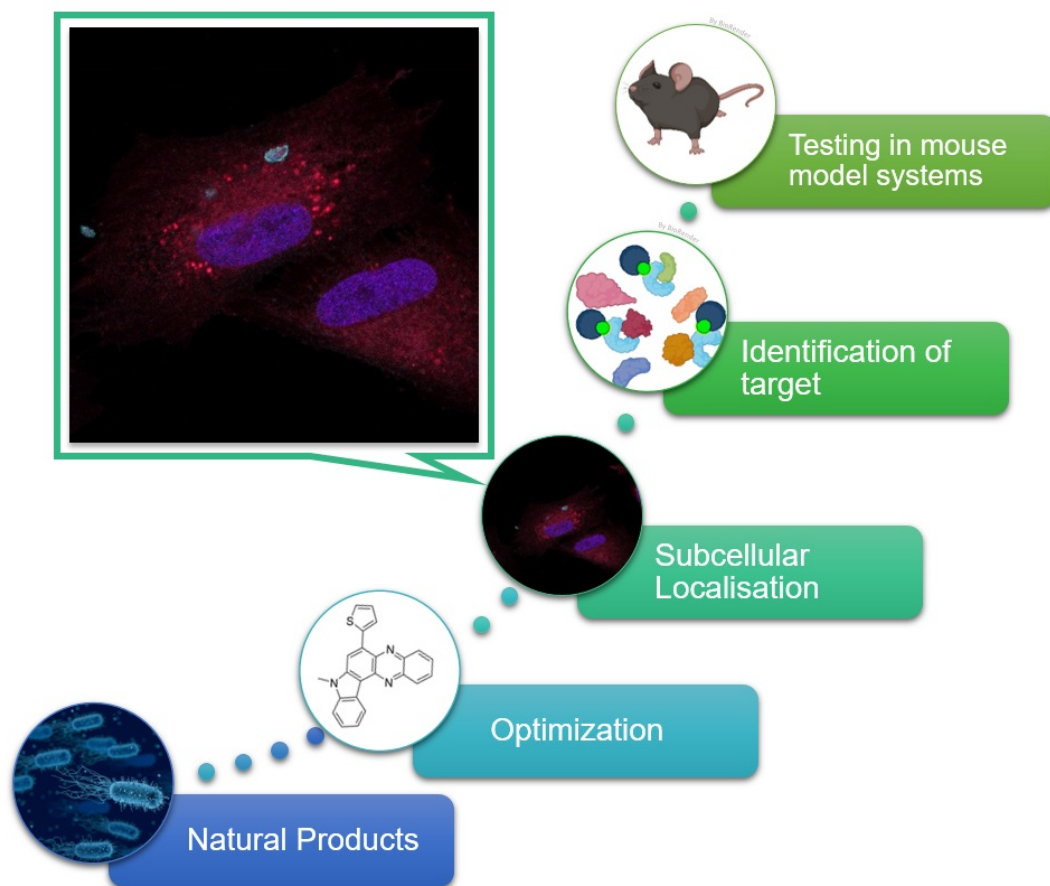


Identification and characterization of new compounds with antimicrobial activity against apicomplexa and multidrug-resistant Gram-negative rod bacteria (4MRGN)



The development of antimicrobial agents has significantly improved healthcare. Nevertheless, a research gap in the discovery of antimicrobial agents over the past 30 years led to the development of resistances in intracellular pathogens such as Apicomplexa and extracellular multi-resistant gram-negative bacteria (4MRGN) which limit treatment. Previously, natural products with growth inhibitory properties for *T. gondii* have been discovered within RTG2158. The aim of the project is to identify the target of the previously identified lead compounds and to discover their mode of action using biochemical methods, to derive optimized derivatives followed by analysis of efficacy/toxicity in mouse model systems.