

Dr Karlo Wittine University of Rijeka – Croatia

Looking for new molecules in antimicrobial treatment: Macrolides and chlorine e₆

Bacteria have developed resistance against every antibiotic at an alarming rate. New molecules and treatment strategies are of utmost importance. Macrolides are leaders in antimicrobial treatment and new understanding of their mode of action is emerging. Despite the clinical success, the photodynamic therapy (PDT) is still underutilized in the clinic but is considered to be a promising strategy in antibacterial treatment. We are combining these two approaches to create new molecules that could potentially be used in treatment of infections caused by microbial pathogens.