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Interaction Between Antimicrobial Peptides and Mycobacteria

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Abbreviations: TB, tuberculosis; *Mtb*, *Mycobacterium tuberculosis*; AMP, antimicrobial peptide; PG, peptidoglycan; AG, arabinogalactan; MM, mycomembrane; TDM, trehalose dimycolate; TMM, trehalose monomycolate; PIM, phosphatidylinositol-mannosides; PDIM, phthiocerol dimycocerosate; MDR, multi-drug resistant; XDR, extensively drug resistant; INH, isoniazid; RIF, rifampicin; HDP, host defense peptide; hAD, human α -defensin; hBD, human β -defensin; BALF, bronchoalveolar lavage fluid; AM, alveolar macrophages; MN, monocytes; manLAM, mannosylated lipoarabinomannan; hNP, human neutrophil peptide; hCAP18, human cationic antimicrobial peptide 18 kDa; TLR, Toll-like receptor; Nox, mono-nitrogen oxide; Camp, cathelicidin antimicrobial peptide; CRAMP, mouse cathelin-related antimicrobial peptide; PG, porcine protegrin; SAMP, synthetic AMP; PI, propidium iodide; FIC, fractional inhibitory concentrations; LPS, lipopolysaccharide; LAM, lipoarabinomannan; ODN, oligodeoxynucleotide; Pam3Cys, lipoprotein palmitoylated N-acyl-S-diacylglyceryl cysteine.

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