

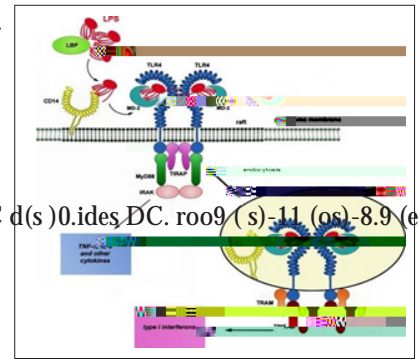
TLR4 gene polymorphism and inflammatory response in chronic periodontitis

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periodontal disease is one of the most common chronic diseases in humans and is induced by microbial pathogens that reside in the oral cavity. The Toll-like receptor (TLR) family of innate immune recognition receptors plays a fundamental role in the induction of innate immunity, inflammation, cell survival, and proliferation. The presence of TLR4 has been shown to be essential for the progression of inflammation and related to the bone metabolism in periodontitis. Pelargonium sidoides DC. root extract (PSRE) demonstrated possibility to exert stimulatory effects on the innate immune system.

d.3298 Tm(Pur)-12 (p)-11 (os)-8.9 (e o)103 (s)0.07mSETEMC d(s)0.ides DC. roo9 (s)-11 (os)-8.9 (e o)103 (s)0.



Activation of TLR4 by LPS. Płóciennikowska A, Hromada-Judycka A, Borz cka K, Kwiatkowska K - Cell. Mol. Life Sci. (2014)