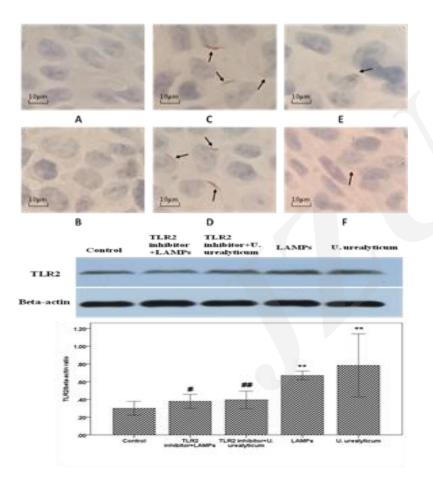
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Ureaplasma urealyticum-derived lipidassociated membrane proteins introduce IL-6, IL-8, and TNF-α cytokines into human amniotic epithelial cells via Toll-like receptor 2

Key words: *Ureaplasma urealyticum;* Lipid-associated membrane proteins; Human amniotic epithelial cells; Toll-like receptor 2

Research Summary

This article mainly focused on the role of *Ureaplasma urealyticum*-derived lipid-associated membrane proteins (LAMPs) in the host innate immune system, specifically their effect on toll-like receptors (TLRs).



- Expression of TLR2 occurred after stimulation with *U. urealyticum* or LAMPs.
- HAECs produced significantly more cytokines (IL-6, IL-8, TNF-α) after stimulation with *U. urealyticum* or LAMPs.
- HAECs produced produced significantly less cytokines after treatment with TLR2 inhibitor.

Innovation points

• Indication that *U. urealyticum*-derived LAMPs have potent inflammatory properties.

 Notion that *U. urealyticum* may have additional mechanisms for inducing.