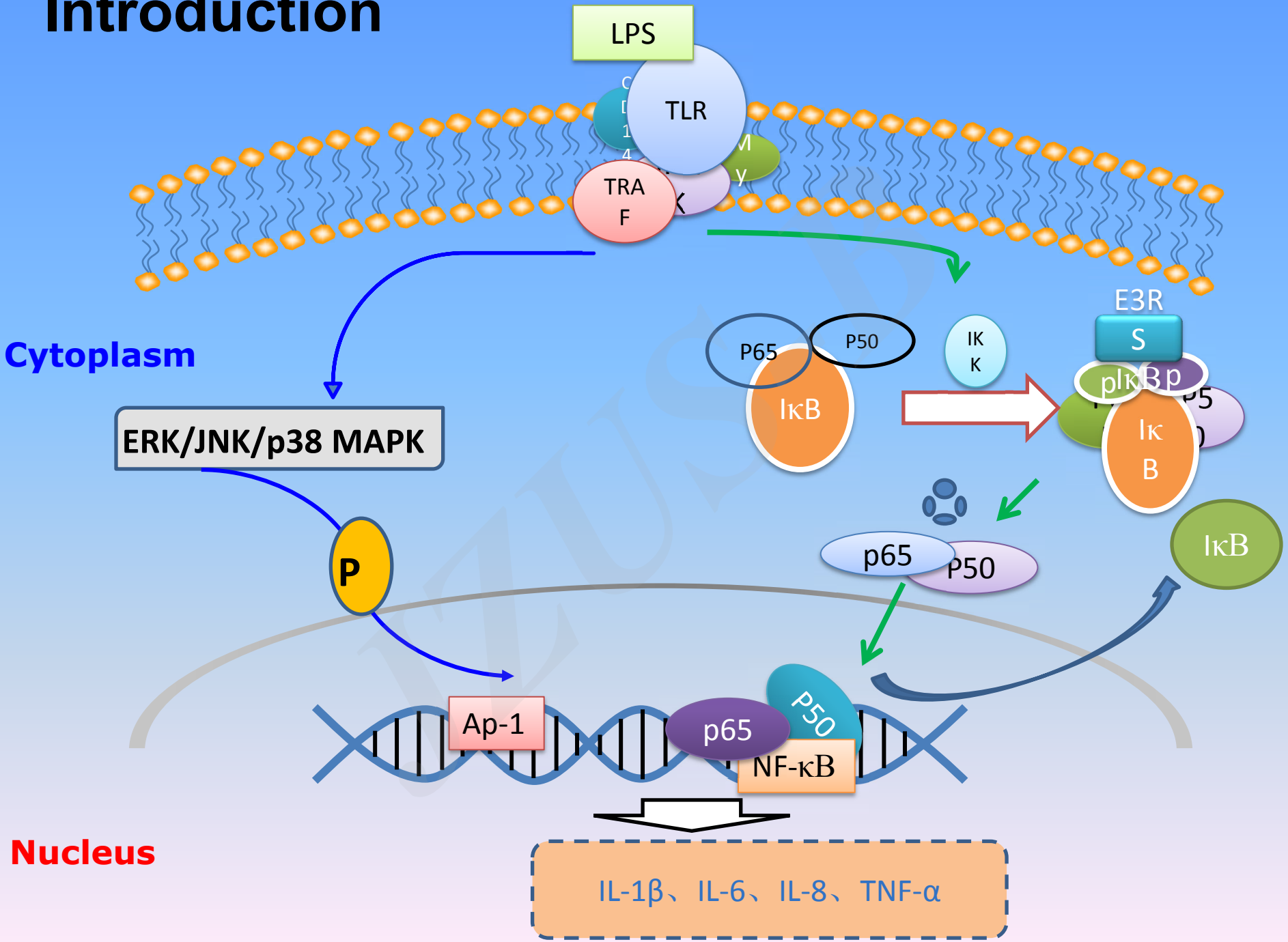
Cite this as: An LYU, Jia-jia CHEN, Hui-chuan WANG, Xiao-hong YU, Zhi-cong ZHANG, Ping GONG, Lin-shu JIANG, Feng-hua LIU, 2017. Punicalagin protects bovine endometrial epithelial cells against lipopolysaccharide-induced inflammatory injury. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, 18(6):481-491. http://dx.doi.org/10.1631/jzus.B1600224

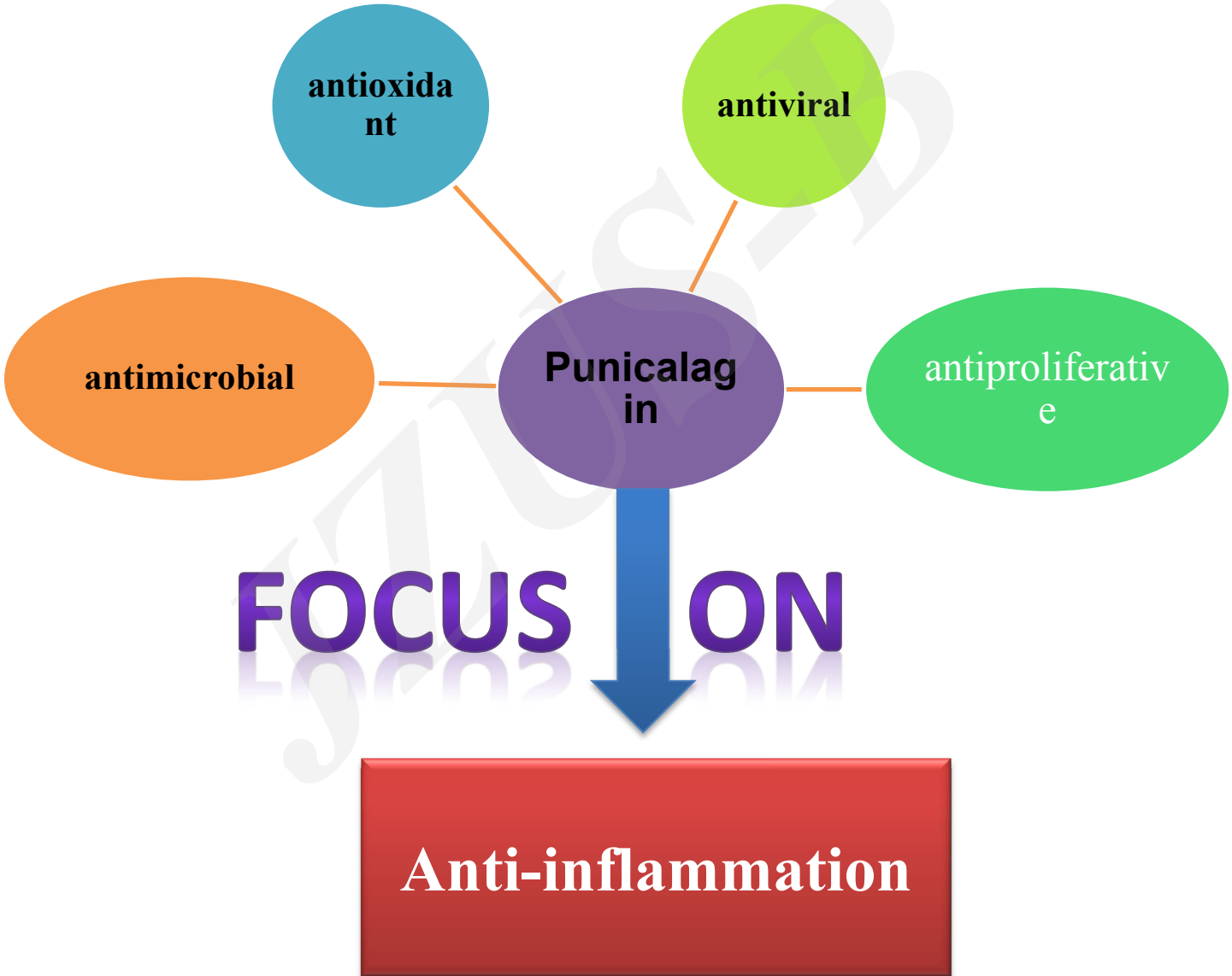
Punicalagin protects bovine endometrial epithelial cells against lipopolysaccharide-induced inflammatory injury

Key words: Bovine endometrial epithelial cell, Cytokine, Inflammatory injury, Punicalagin

Introduction



Punicalagin, a hydrolyzable tannin of pomegranate juice, which exhibits multiple biological effects. **This review mainly focused on anti-inflammation effect.**



Highlight

- Inflammatory injury model of bovine endometrial epithelial cell (bEEC) was established using LPS.
- punicalagin could inhibit inflammation on bEEC by decreasing the expression of IL-1β, IL-6, IL-8, and TNF-α.
- The anti-inflammatory mechanism of punicalagin related to NF-κB and MAPK pathway.

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