

Cite this as: Yang-fan NIE, Jun HU, Xiang-hua YAN, 2015. Cross-talk between bile acids and intestinal microbiota in host metabolism and health. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, 16(6):436-446. [doi:10.1631/jzus.B1400327]

Cross-talk between bile acids and intestinal microbiota in host metabolism and health

Key words: Bile acid (BA), Farnesoid X receptor (FXR), Intestinal microbiota, Host metabolism, Autophagy

Research Summary

This review mainly discuss the cross-talk between BAs and intestinal microbiota and their roles in regulating host metabolism, and probably the autophagic signaling pathway:

- ◆ BAs as regulators of intestinal microbiota**
- ◆ Regulation of BA profiles by intestinal microbiota**
- ◆ The role of intestinal microbiota in host metabolism mediated by BAs**
- ◆ Potential relationships between intestinal microbiota and autophagy mediated by BAs**
- ◆ The role of BAs in the interplay among intestinal microbes**

