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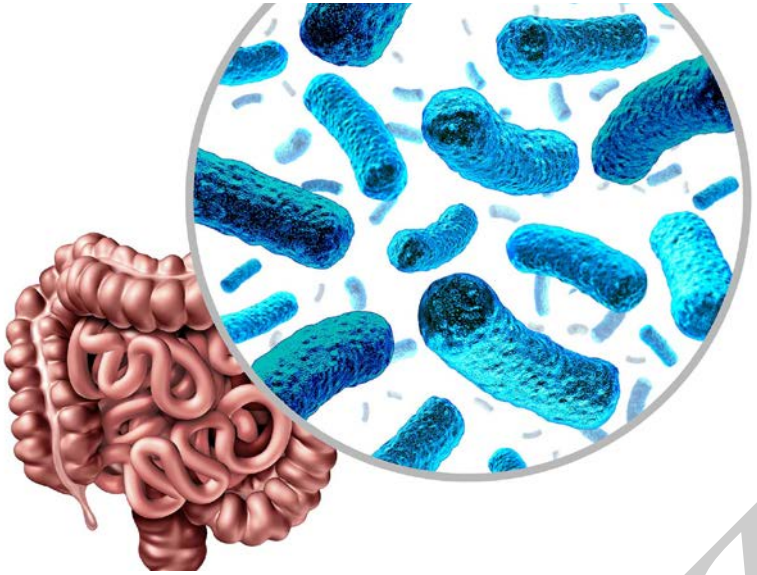
Interplay between gut microbiota and intestinal lipid metabolism: mechanisms and implications

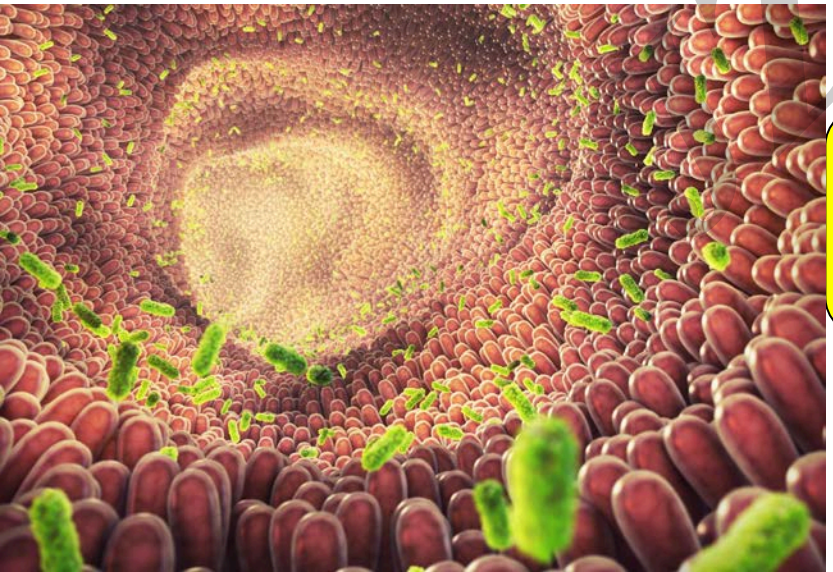
Key words: Gut microbiota；lipid absorption; metabolic disease

Interplay between Intestinal microbiota and host lipid metabolism



- Metabolic product regulation
- Immune system regulation
- Intestinal epithelial pathway

Gene regulatory network



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Gut microbiota reprograms gene expression involved in intestinal lipid metabolism

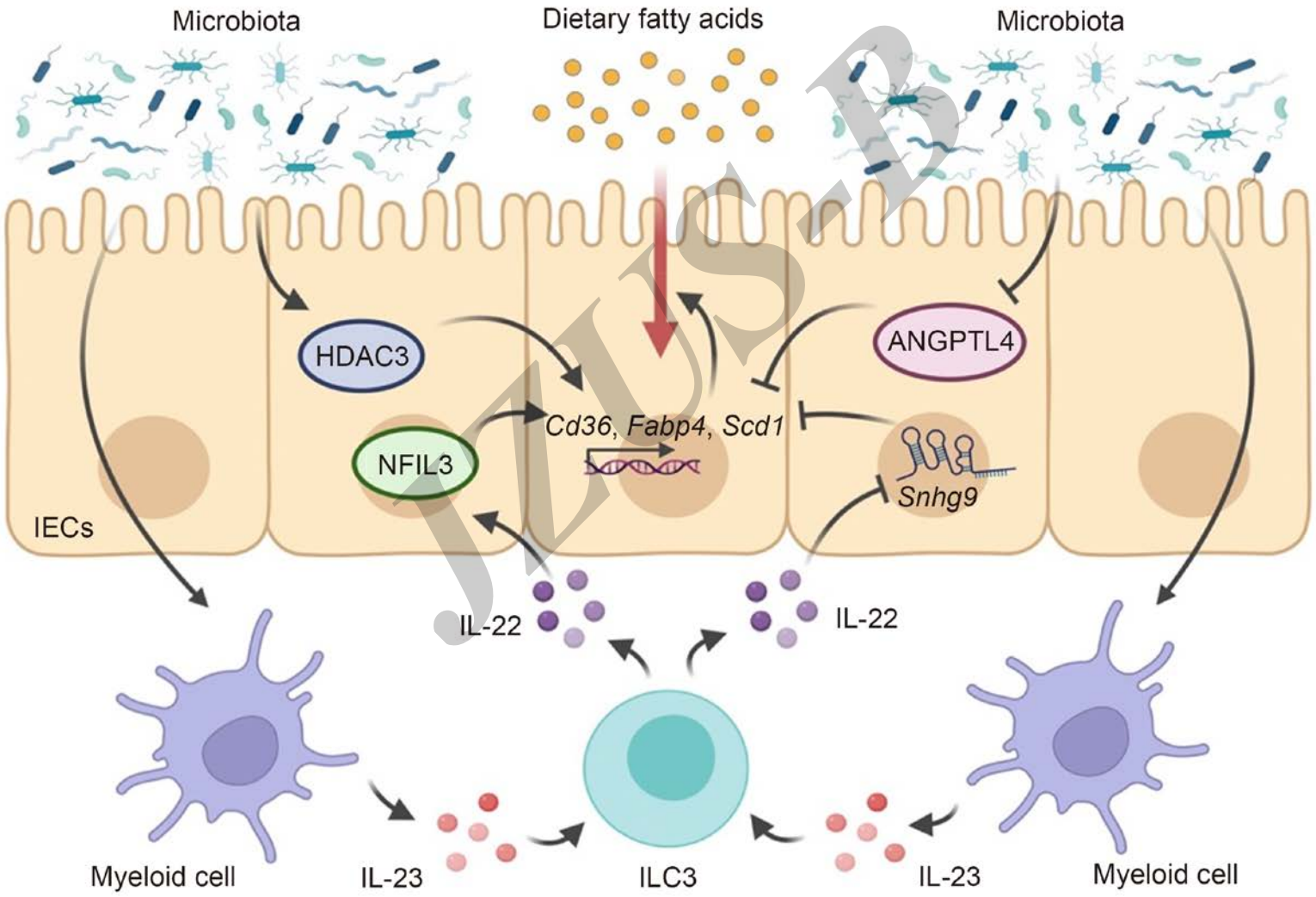

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Figure 1

Major types of microbial metabolites regulating host lipid metabolism

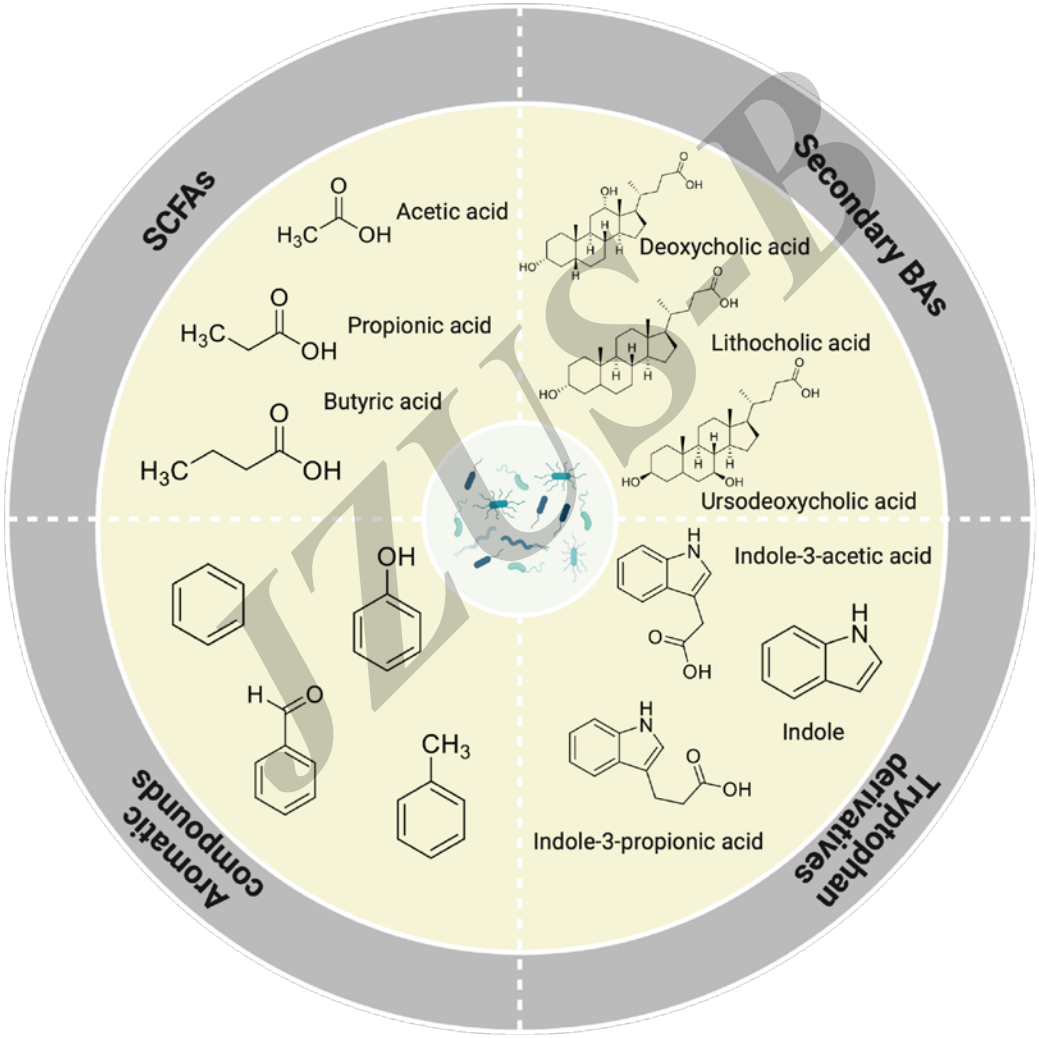

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Figure 2