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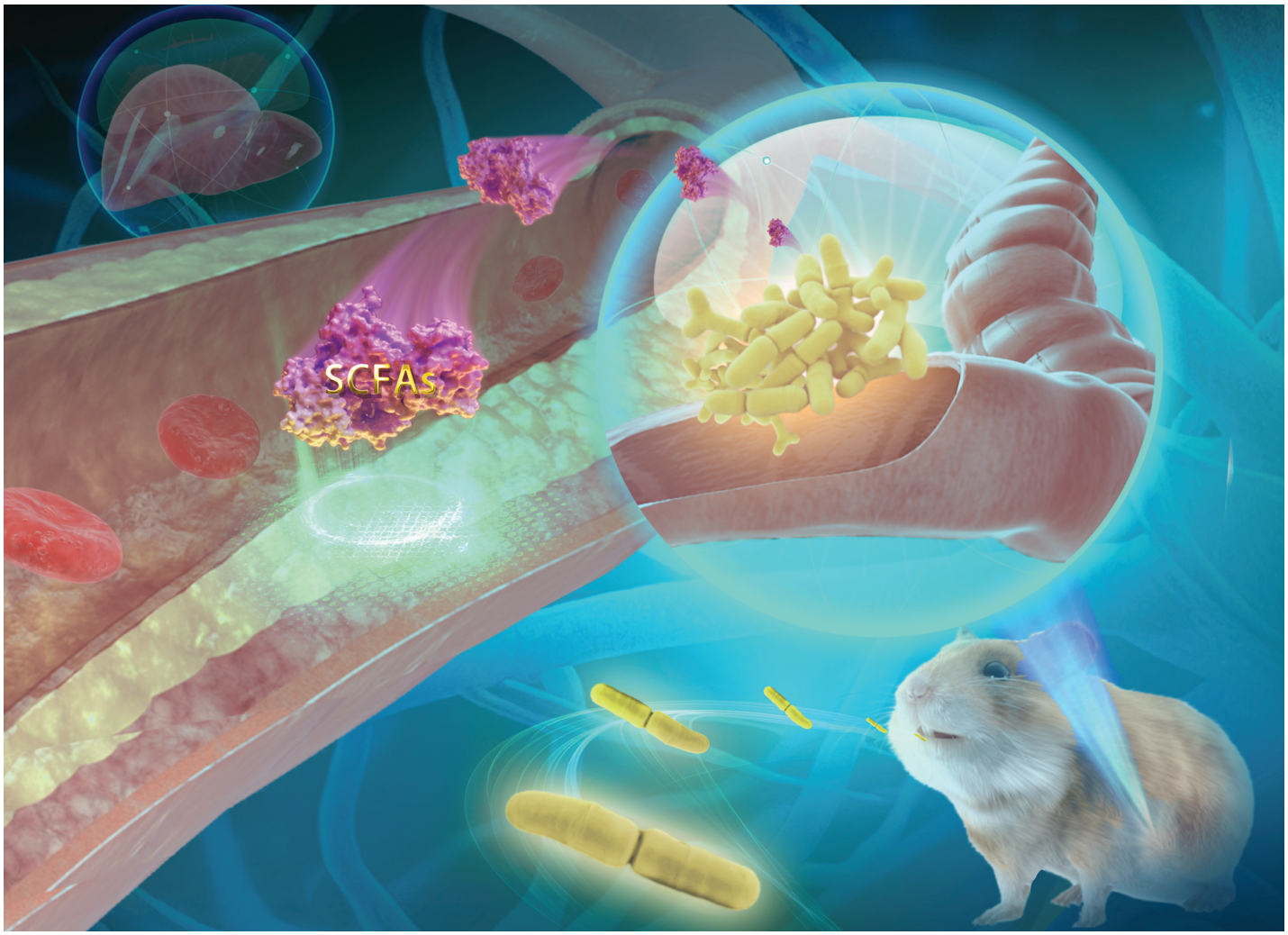

Showcasing research from Professor Ruimin Wang's laboratory, School of Food Science and Engineering, Hainan University, Haikou, China.

Lactobacillus fermentum CKCC1858 alleviates hyperlipidemia in golden hamsters on a high-fat diet *via* modulating gut microbiota

The results in our research showed that *Lactobacillus fermentum* CKCC1858 intervention alleviated HFD-induced hyperlipidemia and liver damage. More importantly, the *Lactobacillus fermentum* CKCC1858 intervention attenuated HFD-induced microbiota dysbiosis by enhancing the abundance of SCFA-producing bacteria and reshaping the metabolic functions of the gut microbiota. This study elucidated the mechanism of the preventive effect of probiotics on hyperlipidemia in terms of regulating gut microbiota, and provided suggestions for regulating gut microbiota through probiotic interventions to improve lipid metabolism.

As featured in:

See Ruimin Wang *et al.*, *Food Funct.*, 2023, **14**, 9580.

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