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**Showcasing research from Doctor Jing Lu's laboratory,
School of Life Science, Zhejiang Chinese Medical
University, Hangzhou, China.**

**A high-fat diet induced depression-like phenotype *via*
hypocretin-HCRTR1 mediated inflammation activation**

High-fat diets (HFD) are linked to mental disorders and gut microbiota alterations. Our study found HFD elevates hypocretin-1 levels, inducing anxiety and depression-like behaviors. It also increases brain inflammation and lipid accumulation, leading to intestinal flora imbalance. The antagonist SB334867 lowered lipids, alleviate mental disorders, and Ameliorate plasma profiles, potentially alleviating HFD's affective disorders.

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As featured in:



See Yuyan Zhang, Jing Lu *et al.*,
Food Funct., 2024, **15**, 8661.