

# Food & Function

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**Cover**  
See Yilin You *et al.*,  
pp. 40–53.

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**Inside cover**  
See Wei Xu *et al.*, pp. 54–70.

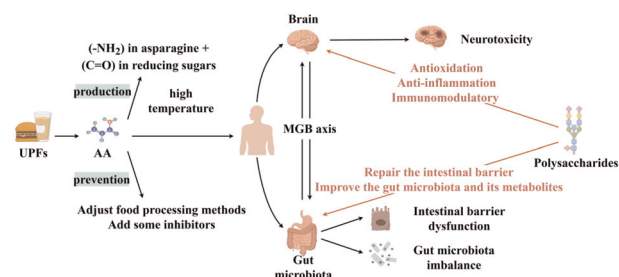
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### The neurotoxicity of acrylamide in ultra-processed foods: interventions of polysaccharides through the microbiota–gut–brain axis

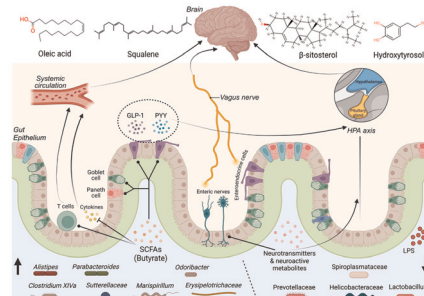
Chen Cai, Zheyi Song, Xinrui Xu, Xin Yang, Siyu Wei, Fang Chen, Xu Dong, Xin Zhang\* and Yuchen Zhu\*



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Luna Barrera-Chamorro, Africa Fernandez-Prior, Carmen M. Claro-Cala, Jose L. del Rio-Vazquez, Fernando Rivero-Pino\* and Sergio Montserrat-de la Paz



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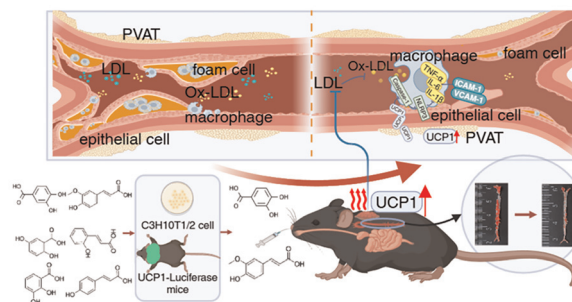
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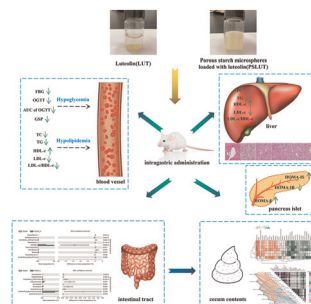
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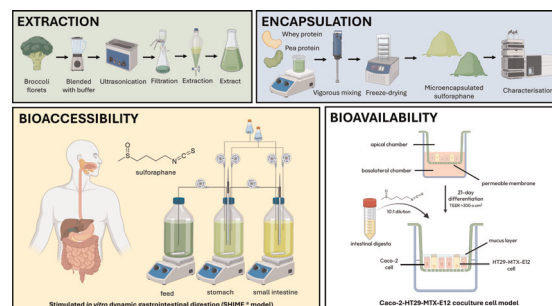
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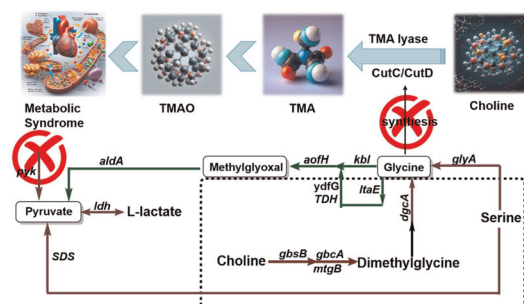
Ali Ali Redha,\* Luciana Torquati, John R. Bows, Michael J. Gidley and Daniel Cozzolino



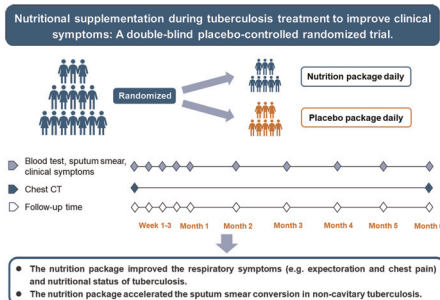
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### *In vivo* mechanism of the interaction between trimethylamine lyase expression and glycolytic pathways

Qian Li, Di Wu, Yu Song, Lu Zhang, Ting Wang, Xiaoxu Chen and Min Zhang\*



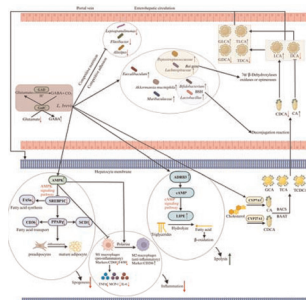
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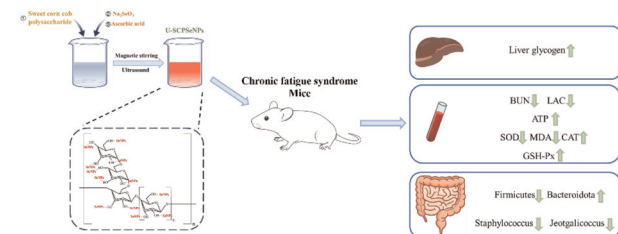
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## Probiotic interventions with highly acid-tolerant *Levilactobacillus brevis* strains improve lipid metabolism and gut microbial balance in obese mice

Liping Zhou, Luchan Gong, Zhihao Liu, Jinfeng Xiang, Cong Ren\* and Yan Xu

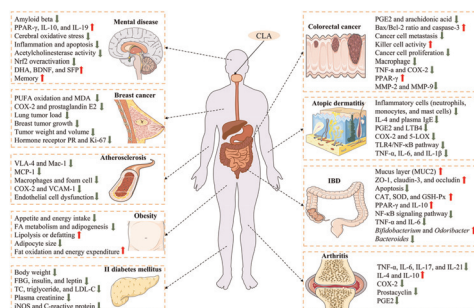
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## Exploiting conjugated linoleic acid for health: a recent update

Yang Chen, Junfeng Xiao, Xiaoqing Zhu, Xin Fan, Mingye Peng, Yang Mu, Chao Wang, Lusha Xia and Mengzhou Zhou\*

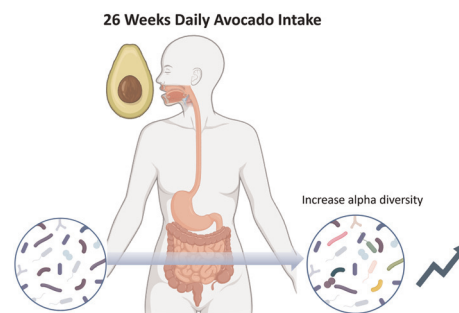


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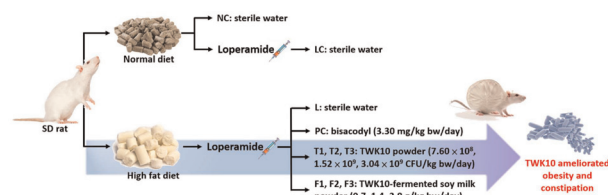
Jieping Yang, On Kei Lei, Shrikant Bhute, Penny M. Kris-Etherton, Alice H. Lichtenstein, Nirupa R. Matthan, Kristina S. Petersen, Joan Sabaté, David M. Reboussin, Laura Lovato, Mara Z. Vitolins, Sujatha Rajaram, Jonathan P. Jacobs, Jianjun Huang, Meileen Taw, Scarlet Yang and Zhaoping Li\*



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### *Lactobacillus plantarum* TWK10 relieves loperamide-induced constipation in rats fed a high-fat diet via modulating enteric neurotransmitters, short-chain fatty acids and gut microbiota

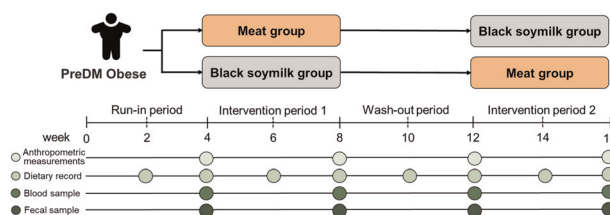
Te-Hua Liu, Guan-Li Chen, Chih-Hui Lin, Tsung-Yu Tsai and Meng-Chun Cheng\*



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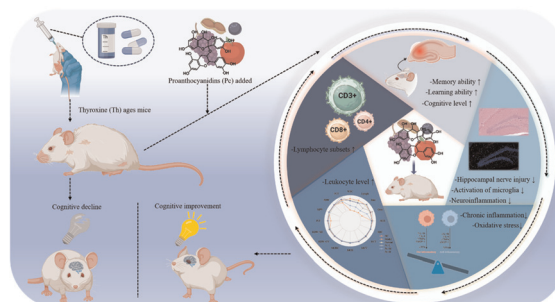
Yu-Ho Chang, Pei-Ni Lee, Cheng-Hsu Chen, Hsin-Yi Yang, Chi-Hao Wu, Jia-Yau Doong and Wan-Ju Yeh\*



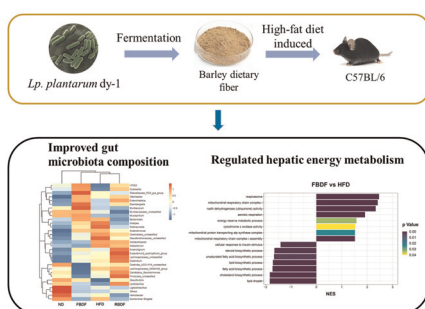
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Chong Yuan, Hongtao Ren, Kexin Hu, Linlin Chen, Ke Yue, Kunmiao He, Qiuying Yu,\* Na Wang\* and Gaiping Zhang



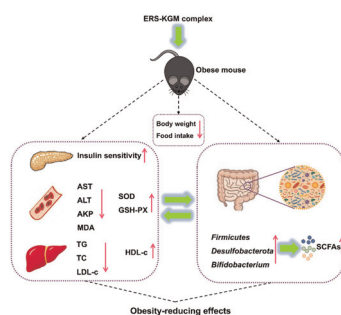
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### Comparative analysis of barley dietary fiber fermented with and without *Lactiplantibacillus plantarum* dy-1 in promoting gut health and regulating hepatic energy metabolism in high-fat diet-induced obese mice

Ying Zhu, Kai Ba, Xiaodong Li, Yufeng He, Yanshun Zhang, Lianzhong Ai, Jiayan Zhang, Yansheng Zhao and Xiang Xiao\*

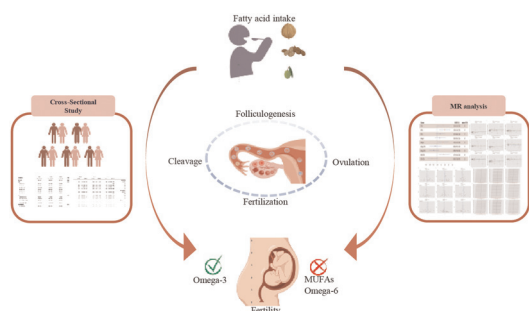
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Fanrui Liu, Hao Wan, Honghao Fan,\* Zhihong Zhang, Hua Dai and Hai He\*

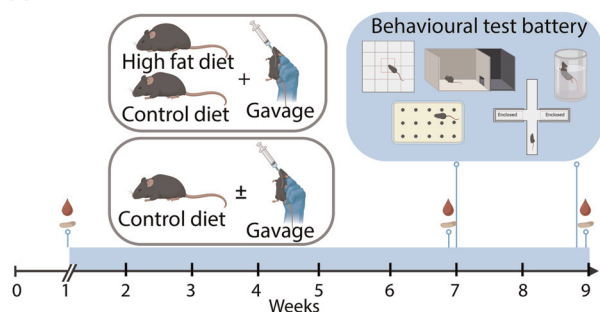
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Qiaorui Yang, Jing Tao, Shengxiao Jia and Zhenliang Fan\*

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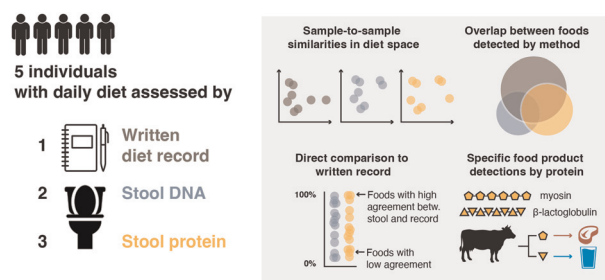
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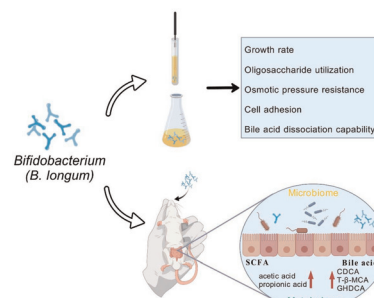
Brianna L. Petrone, Alexandria Bartlett, Sharon Jiang, Abigail Korenek, Simina Vintila, Christine Tenekjian, William S. Yancy, Jr., Lawrence A. David\* and Manuel Kleiner\*



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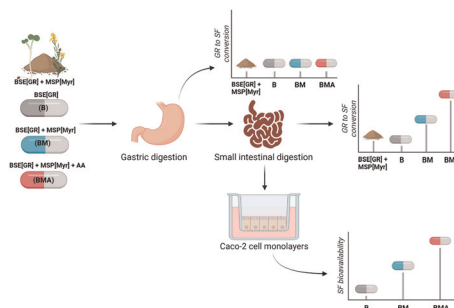
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Wei Zhu, Eleonora Cremonini, Angela F. Mastaloudis, Alyson E. Mitchell,\* Gail M. Bornhorst\* and Patricia I. Oteiza\*



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Xiaojian Yin, Yunxie Wei, Wei Song, He Zhang, Guoyin Liu, Yan Chen, Lan-Zhu Li, Raphael N. Alolga, Gaoxiang Ma, Russel J. Reiter, Jia Li\* and Haitao Shi\*

