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pp. 7335–7346.

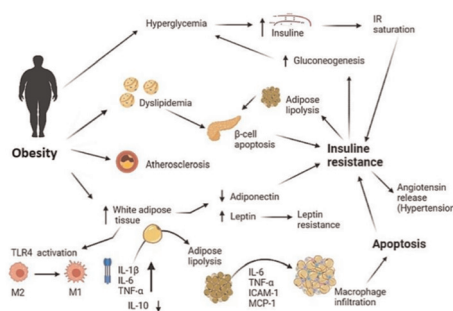
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Microbiota dysbiosis caused by dietetic patterns as a promoter of Alzheimer's disease through metabolic syndrome mechanisms

Víctor Navalón-Monllor, Laura Soriano-Romani, Mariana Silva, María-Carmen López de las Hazas, Natalia Hernando-Quintana, Teodoro Suárez Diéguez, Pere Morell Esteve and Juan Antonio Nieto*

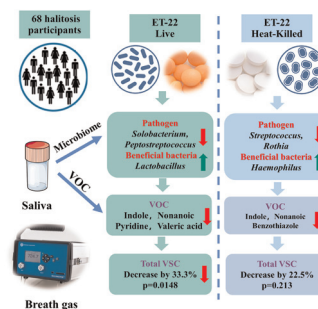


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Lactobacillus paracasei ET-22 and derived postbiotics reduce halitosis and modulate oral microbiome dysregulation – a randomized, double-blind placebo-controlled clinical trial

Guna Wuri, Fudong Liu, Zhe Sun, Bing Fang, Wen Zhao, Wei-Lian Hung, Wei-Hsien Liu, Xiaoxu Zhang, Ran Wang, Fang Wu, Liang Zhao and Ming Zhang*



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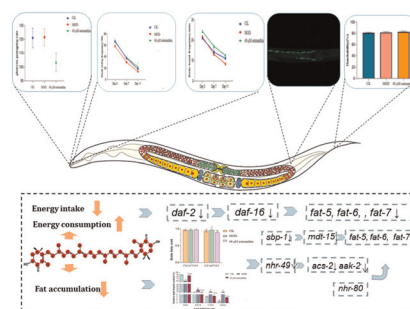


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Astaxanthin reduces fat storage in a *fat-6/fat-7* dependent manner determined using high fat *Caenorhabditis elegans*

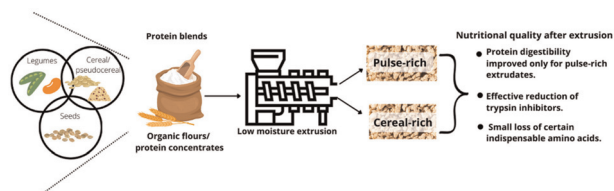
Junting Xie, Xiaoning Hou, Wanshi He, Jie Xiao, Yong Cao and Xiaojuan Liu*



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Protein blends and extrusion processing to improve the nutritional quality of plant proteins

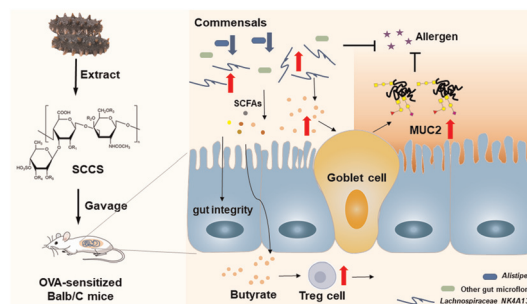
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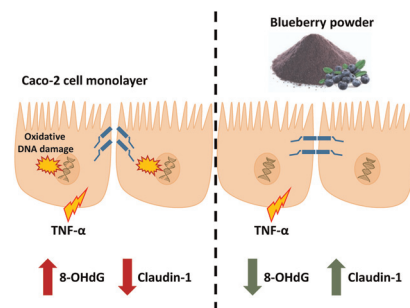
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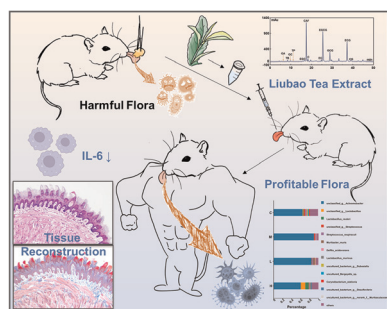
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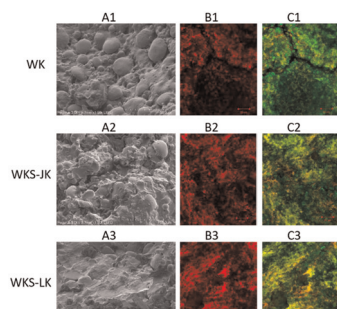
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A local dark tea – Liubao tea – extract exhibits remarkable performance in oral tissue regeneration, inflammation relief and oral microbiota reconstruction

Su Zhou, Zhelu Bao, Shicheng Ma, Cansong Ou, Hao Hu, Yunyun Yang, Xinyu Feng, Yani Pan, Shuying Gong, Fangyuan Fan, Ping Chen* and Qiang Chu*

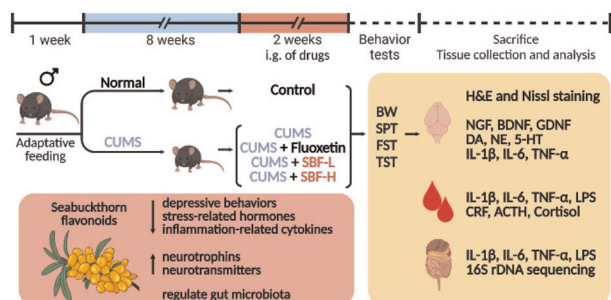
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Characteristics of the microstructure and the key components of white kidney bean sourdough bread induced by mixed-strain fermentation and its influence on gut microbiota

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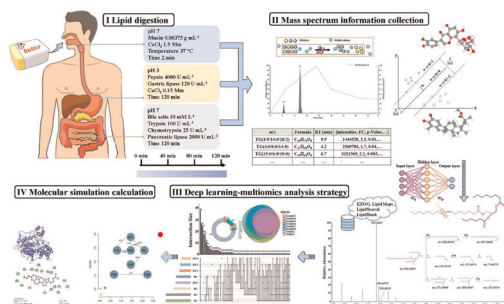
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Flavonoids from Seabuckthorn (*Hippophae rhamnoides* L.) restore CUMS-induced depressive disorder and regulate the gut microbiota in mice

Chen-Xi Xia, Alex Xiong Gao, Yue Zhu, Tina Ting-Xia Dong and Karl Wah-Keung Tsim*

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Lactobacillus casei-derived postbiotics inhibited digestion of triglycerides, glycerol phospholipids and sterol lipids via allosteric regulation of BSSL, PTL and PLA2 to prevent obesity: perspectives on deep learning integrated multi-omics

Zibian Fan and Wei Jia*

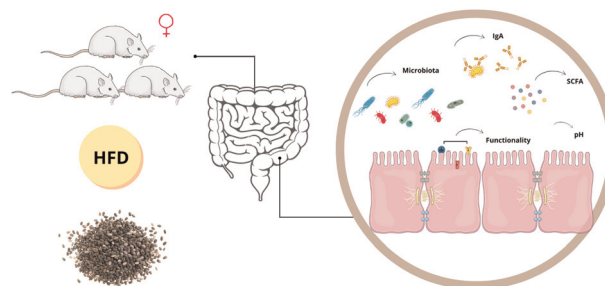


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Chia flour combined with a high fat diet increases propionic acid production and improves the microbial richness and diversity in female Wistar rats

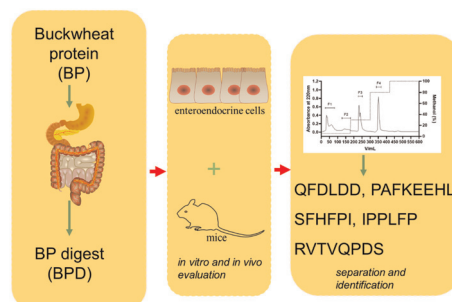
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In vitro gastrointestinal digestion of buckwheat (*Fagopyrum esculentum* Moench) protein: release and structural characteristics of novel bioactive peptides stimulating gut cholecystokinin secretion

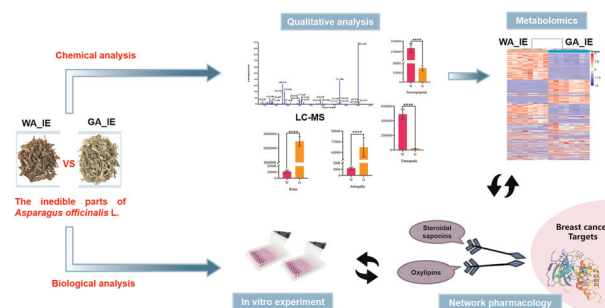
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Comparison of the inedible parts of white and green asparagus based on metabolomics and network pharmacology

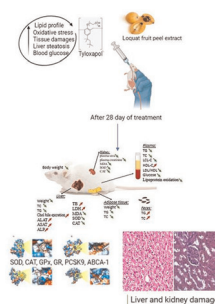
Rui Wei, Xuemei Qin and Zhenyu Li*



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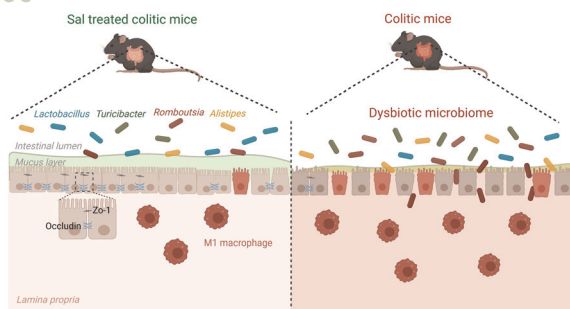
Polyphenol-rich extract from loquat fruit peel prevents hyperlipidemia and hepato-nephrotoxicity in mice: in vivo study and in silico prediction of possible mechanisms involving identified polyphenols and/or their circulating metabolites

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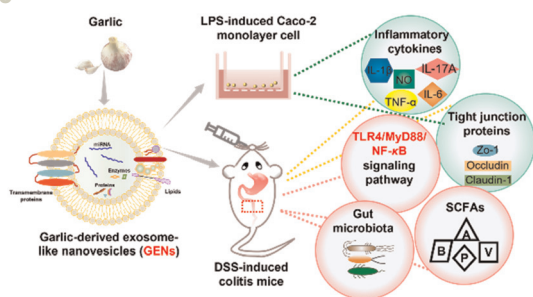
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Salidroside alleviates dextran sulfate sodium-induced colitis in mice by modulating the gut microbiota

Jiuxi Liu, Jiawei Cai, Peng Fan, Xue Dong, Naisheng Zhang, Jiandong Tai* and Yongguo Cao*

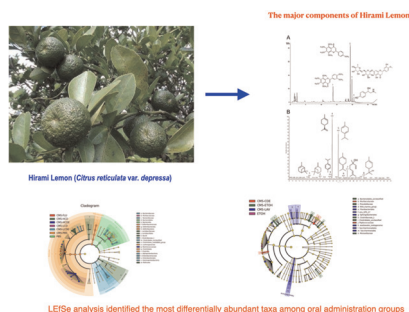
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Garlic-derived exosome-like nanovesicles alleviate dextran sulphate sodium-induced mouse colitis via the TLR4/MyD88/NF-κB pathway and gut microbiota modulation

Zhenzhu Zhu,* Liuyue Liao, Mingwei Gao and Qin Liu

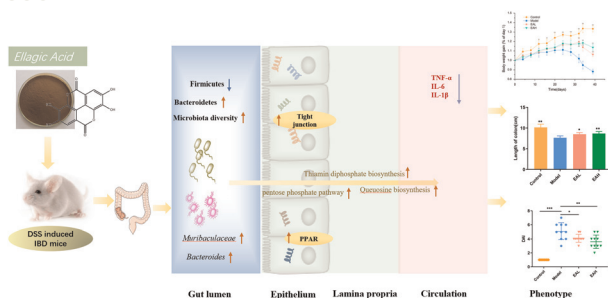
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Hiram lemon (*Citrus reticulata* var. *depressa*) modulates the gut–brain axis in a chronic mild stress-induced depression mouse model

Po-Heng Tsai, Pei-Chen Wu, Hui-Ru Li, K. J. Senthil Kumar* and Sheng-Yang Wang*

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The alleviating effect of ellagic acid on DSS-induced colitis via regulating gut microbiomes and gene expression of colonic epithelial cells

Xiaoqing Li, Lu Xu, Xinan Peng, Huiting Zhang, Meng Kang, Yiqi Jiang, Haibo Shi, Haiyan Chen, Chao Zhao, Yigang Yu, Ruiting Ma, Xueli Li* and Yong Cao*

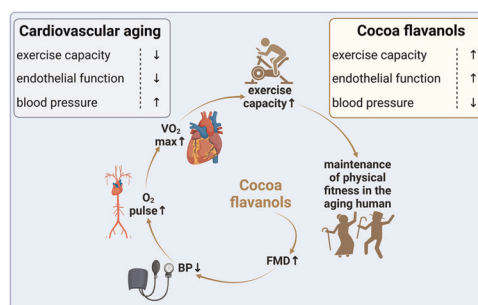


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Cocoa flavanols improve peakVO₂ and exercise capacity in a randomized double blinded clinical trial in healthy elderly people

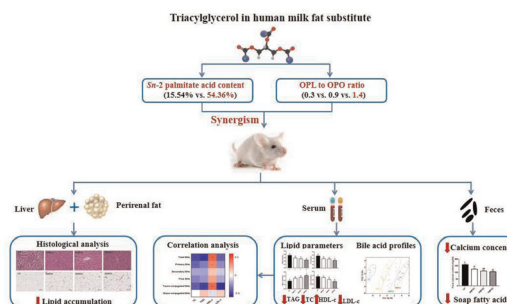
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The triacylglycerol structure and composition of a human milk fat substitute affect the absorption of fatty acids and calcium, lipid metabolism and bile acid metabolism in newly-weaned Sprague-Dawley rats

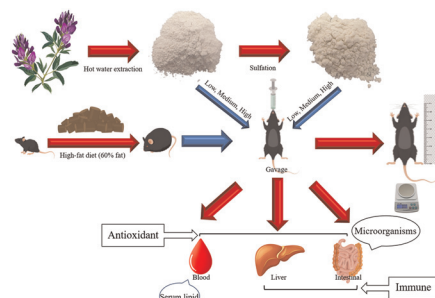
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The potential role of alfalfa polysaccharides and their sulphated derivatives in the alleviation of obesity

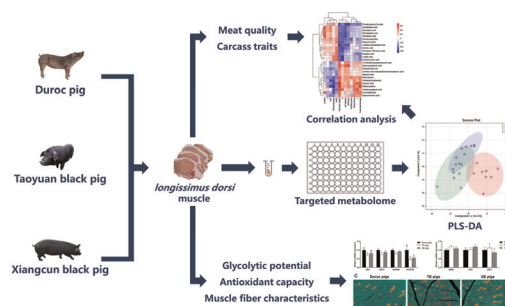
Zhiwei Li, Yawen Wang, Jun Liu, Dan Chen, Guilan Feng, Min Chen, Yuxi Feng, Ran Zhang and Xuebing Yan*



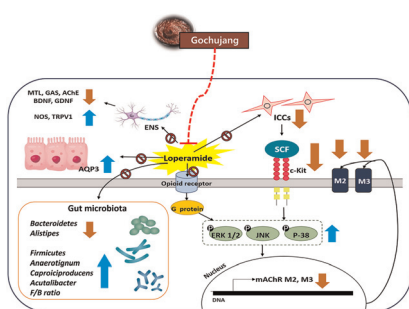
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Muscle characteristics comparison and targeted metabolome analysis reveal differences in carcass traits and meat quality of three pig breeds

Bo Song, Yating Cheng, Md. Abul Kalam Azad, Sujuan Ding, Kang Yao and Xiangfeng Kong*



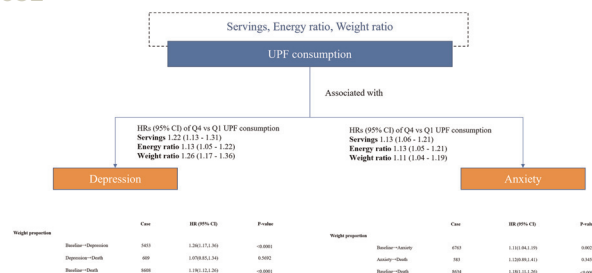
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Comparison of the laxative effects of Korean *Gochujang* containing different microbiota on loperamide-induced constipation in ICR mice

Na-Yeon Kim, Kyung-Ah Kim, Hee-Jong Yang, Su-Ji Jeong, Anna Han* and Youn-Soo Cha*

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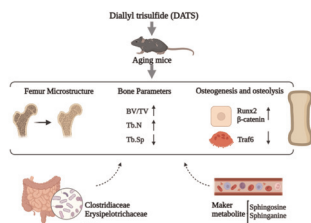


UPF consumption is associated with depression and anxiety.

Association of ultra-processed food consumption with incident depression and anxiety: a population-based cohort study

Mengtong Sun, Qida He, Guoxian Li, Hanqing Zhao, Yu Wang, Ze Ma, Zhaolong Feng, Tongxing Li, Jiadong Chu, Wei Hu, Xuanli Chen, Qiang Han, Na Sun and Yueping Shen*

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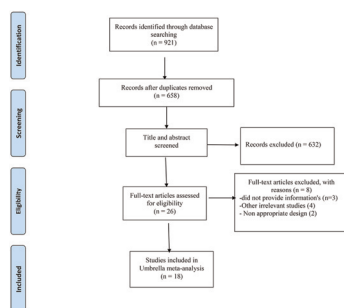


DATS improves the disorderly arrangement of bone trabeculae
 DATS ameliorates bone morphometric parameters
 DATS promotes upregulation of bone formation genes
 DATS alters beneficial microbial abundance and serum metabolite levels

Diallyl trisulfide ameliorates bone loss and alters specific gut microbiota and serum metabolites in natural aging mice

Feng Zhang, Jia Xu, Yanzhou Hu, Jingjing Fang, Minglan Yang, Kunlun Huang, Wentao Xu and Xiaoyun He*

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The effectiveness of treatment with probiotics in *Helicobacter pylori* eradication: results from an umbrella meta-analysis on meta-analyses of randomized controlled trials

Vali Musazadeh, Ahmad Nazari, Amir Hossein Faghfour, Mohammad Emami, Zeynab Kavyani, Maryam Zokaei, Parmida Jamilian, Meysam Zarezadeh* and Ahmad Saedisomeolia*

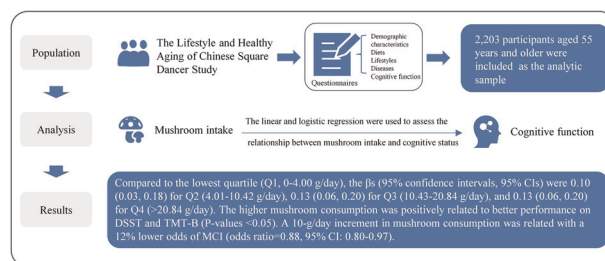


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The relationship between mushroom consumption and cognitive performance among middle-aged and older adults: a cross-sectional study

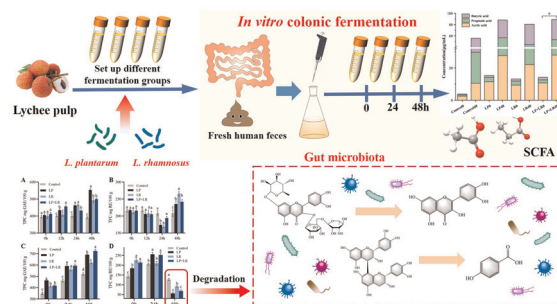
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Lychee pulp phenolics fermented by mixed lactic acid bacteria strains promote the metabolism of human gut microbiota fermentation *in vitro*

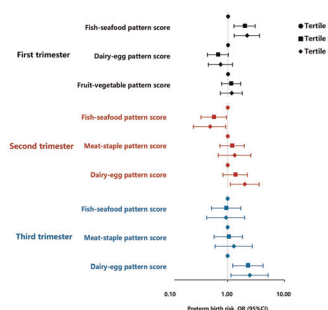
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Trimester-specific associations of maternal dietary patterns with preterm birth: China Medical University birth cohort study

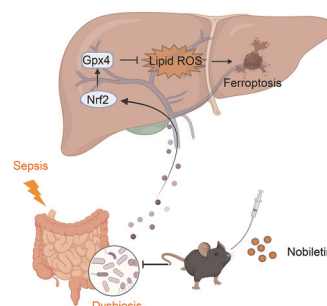
Jiajin Hu, Meihui Li, Chuang Li, Shaowei Yin, Lin Tao, Lin Li, Ningyu Wan, Yilin Liu, Borui Liu, Lu Zheng, Xiaochuan Wang, Zhe Yang, Yanan Ma, Chong Qiao*, Deliang Wen* and Caixia Liu*



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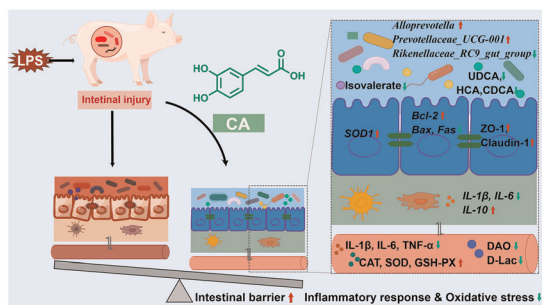
Nobiletin protects against ferroptosis to alleviate sepsis-associated acute liver injury by modulating the gut microbiota

Wei Huang, Hui Chen, Qi He, Weidang Xie, Zanlin Peng, Qiang Ma, Qiaobing Huang, Zhongqing Chen* and Yanan Liu*



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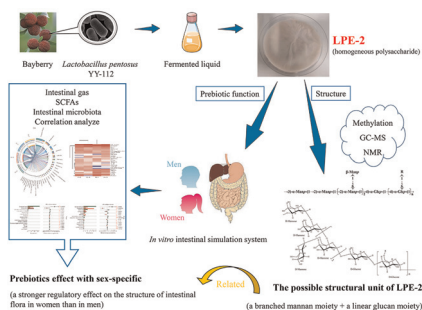
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Caffeic acid supplementation ameliorates intestinal injury by modulating intestinal microbiota in LPS-challenged piglets

Xiaobin Wen, Fan Wan, You Wu, Lei Liu, Yueping Liu, Ruqing Zhong,* Liang Chen and Hongfu Zhang*

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An exopolysaccharide from *Lactobacillus pentosus* YY-112: structure and effect on the human intestinal microbiota

Ying Yang,* Mingzhe Wang, Hui Zhang, Wanyi Zhou, Wei Liu, Xionge Pi and Jianrong Xing

