

Food & Function

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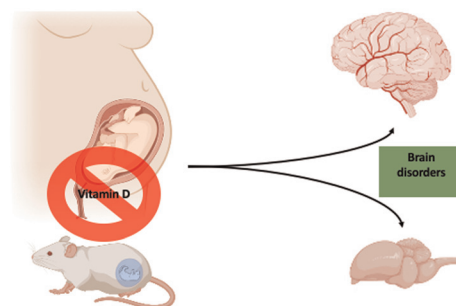
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REVIEWS

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Maternal vitamin D deficiency and brain functions: a never-ending story

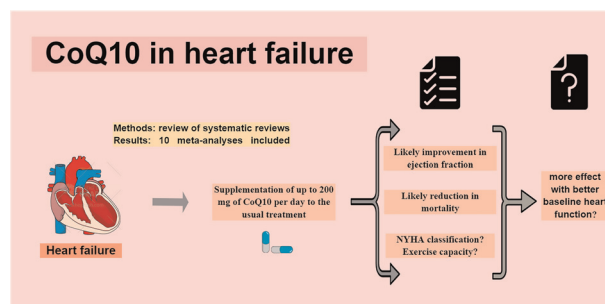
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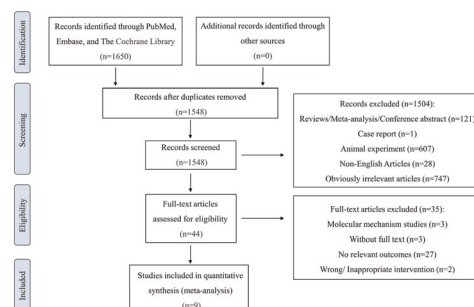


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Association of branched-chain fatty acids with metabolic syndrome: a systematic review and meta-analysis of observational studies

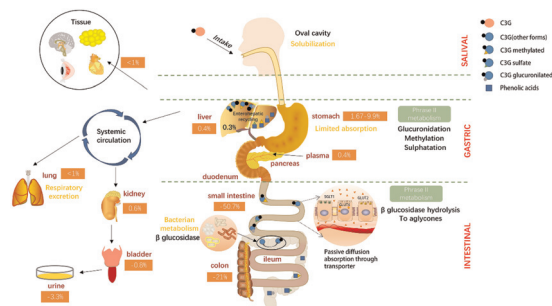
Yuan He, Xin-Hui-Zi Hong, Meng Xu, Yuan-Fa Liu and Yong-Jiang Xu*



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A review of recent advances on cyanidin-3-glucoside: the biotransformation, absorption, bioactivity and applications of nano-encapsulation

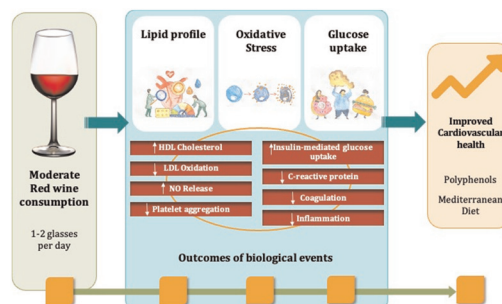
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Moderate red wine intake and cardiovascular health protection: a literature review

Francesca Serio,* Giovanni Imbriani, Mattia Acito, Massimo Moretti, Francesco Paolo Fanizzi, Antonella De Donno and Giuseppe Valacchi*

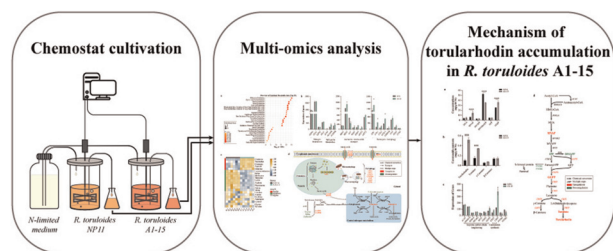


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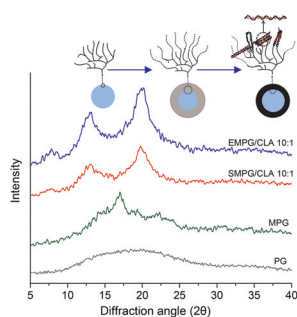
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Multi-omics analysis reveals the mechanism of torularhodin accumulation in the mutant *Rhodospiridium torulooides* A1-15 under nitrogen-limited conditions

Mengyang Liu, Haitao Wang, Xu Yan, Sufang Zhang, Chaofan Ji, Yingxi Chen, Beiwei Zhu* and Xiping Lin*



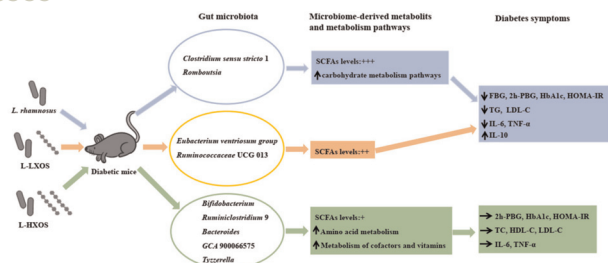
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Development of phytyglycogen-derived core-shell-corona nanoparticles complexed with conjugated linoleic acid

Ziqi Wang, Xiuting Hu, Bruce R. Hamaker, Tao Zhang and Ming Miao*

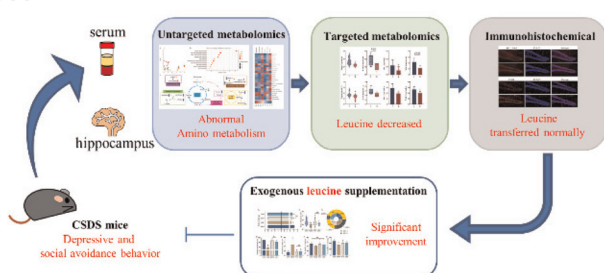
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Dose-dependent effects of xylooligosaccharides on glycemic regulation with *L. rhamnosus* CCFM1060 in diabetic mice

Mengjun Cui, Peng Yu, Tristan C. Liu, Jianguo Liu, Kexin Li, Peng Zhou* and Xiaoming Liu*

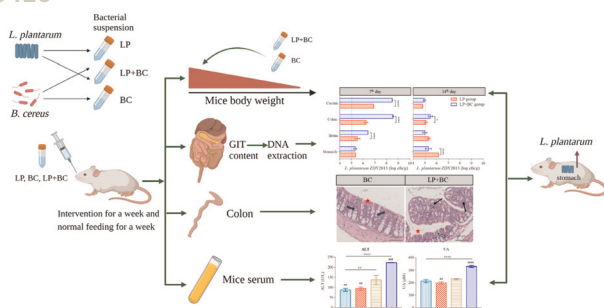
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Revealing the role of leucine in improving the social avoidance behavior of depression through a combination of untargeted and targeted metabolomics

Qi Wang, Zhenning Wu, Huan Xiang, Yuzhi Zhou, Xuemei Qin* and Junsheng Tian*

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Acid-tolerant *Lactiplantibacillus plantarum* ZDY2013 shows a colonization niche preference and interacts with enterotoxigenic *Bacillus cereus* in specific-pathogen-free mice

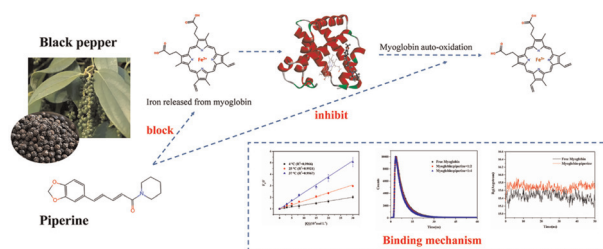
Na Zhang, Jinmei Li, Ying Zhan, Kaiming Wang, Zhongxu Zhan, Hua Wei* and Zhihong Zhang*



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Binding behavior and antioxidant study of spice extract piperine with respect to meat myoglobin

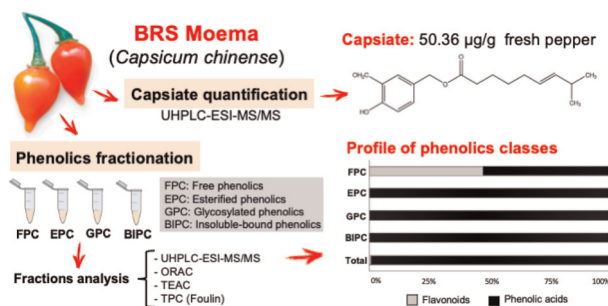
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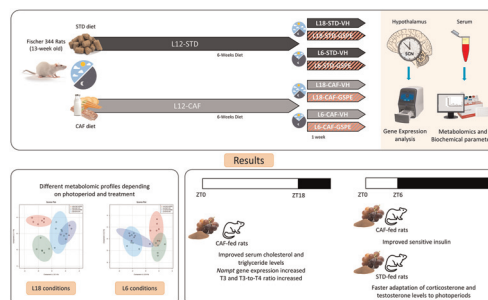
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Metabolism disturbance by light/dark cycle switching depends on the rat health status: the role of grape seed flavanols

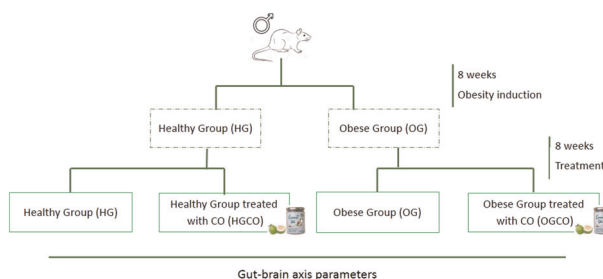
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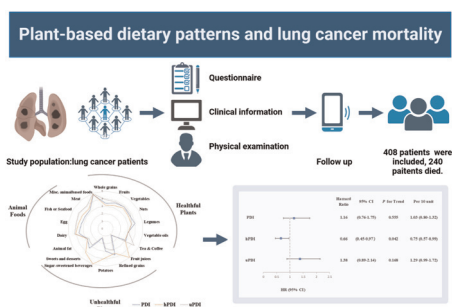
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Extra virgin coconut oil (*Cocos nucifera* L.) intake shows neurobehavioural and intestinal health effects in obesity-induced rats

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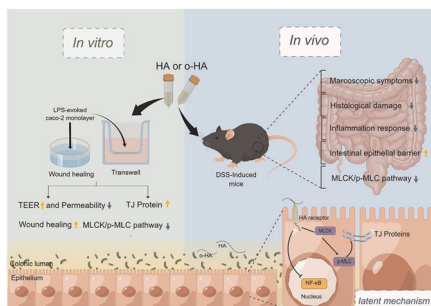
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Plant-based dietary patterns and lung cancer mortality: a perspective cohort study

Qian Wang, Qi Cui, Jin-Ping Gao and Yu-Hong Zhao*

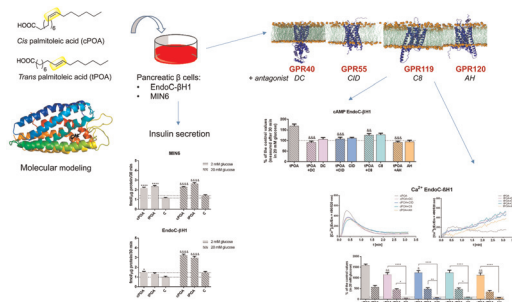
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A comparative study of the ameliorative effects of hyaluronic acid oligosaccharides and hyaluronic acid on DSS-induced colitis in mice and research on relevant mechanisms

Wei Liu, Yuan-Yuan Liu, Meng-Qiu Zhang, Miao-Zhen Qin, Yuan-Yuan Yang, Bi-Wen Liu, Dong-Jian Zhang, Cui-Hua Jiang, Zhi-Qi Yin, Min Lu, Jian-ping Shen* and Jian Zhang*

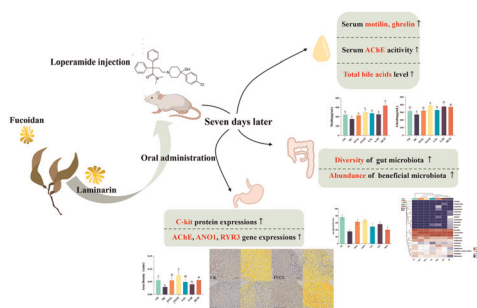
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Trans-palmitoleic acid, a dairy fat biomarker, stimulates insulin secretion and activates G protein-coupled receptors with a different mechanism from the cis isomer

Eliza Korkus, Marcin Szustak, Rafal Madaj, Arkadiusz Chworos, Anna Drzazga, Maria Koziotkiewicz, Grzegorz Dąbrowski, Sylwester Czaplicki, Iwona Konopka and Edyta Gendaszewska-Darmach*

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The regulatory effects of fucoidan and laminarin on functional dyspepsia mice induced by loperamide

Tianxu Liu, Mengting Zhang, Ismail Muhammad Asif, Yonglin Wu, Bin Li and Ling Wang*

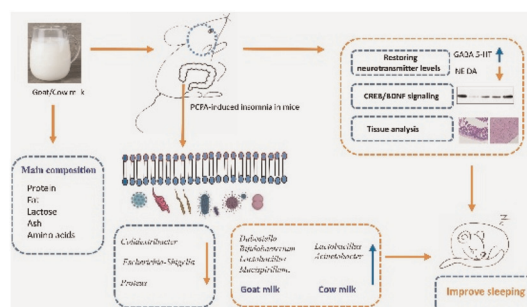


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Goat and cow milk differ in altering the microbiota composition and neurotransmitter levels in insomnia mouse models

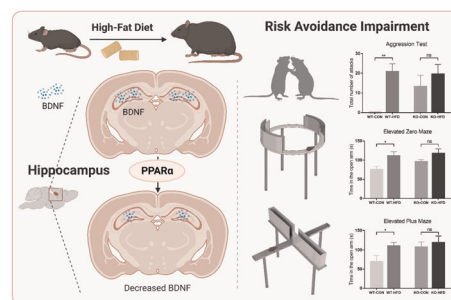
Ling Mo, Huijuan Jing, Xiaojing Du, Chaochao Zhao, Yintao Lin, Jie Li and Hongxin Wang*



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PPAR α is involved in high-fat diet-induced risk avoidance impairment via the regulation of hippocampal BDNF

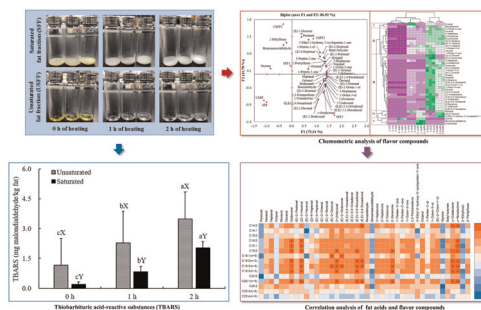
Xin-Yi Zhu, Jia Luo, Xiao-Jie Wei, Lu-Hui Pan, Xiao-Fan Xu, Lin-Bo Hu, Yi-Bei Dong, Ying-Ke Jiang, Fei-Yuan Dong, Le Xu, Li-Min Xu, Ai-Ming Liu* and Xiao-Qin Zhang*



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Lipid oxidation and flavor changes in saturated and unsaturated fat fractions from chicken fat during a thermal process

Dong Han, Siyang Deng, Hang Wang, Feng Huang, Marie-Laure Fauconnier, Hong Li, Jian Zheng, Linchun Meng, Chunhui Zhang* and Xia Li*

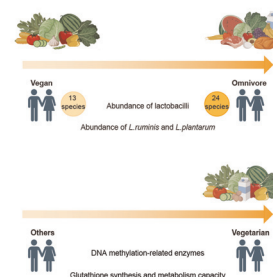


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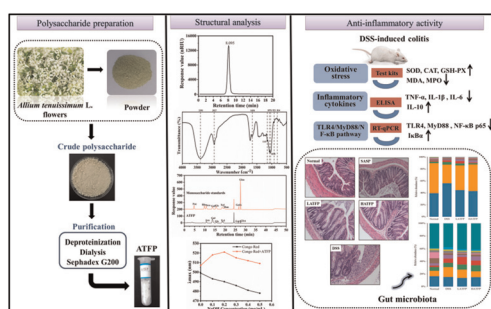
Compositional and functional features of the intestinal lactobacilli associated with different long-term diet types

Shanrong Yi, Chengcheng Zhang, Pingping Yin, Leilei Yu, Fengwei Tian, Wei Chen and Qixiao Zhai*

Different lactobacilli species and functions according to diet



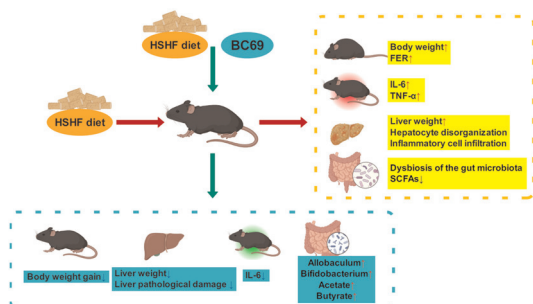
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A polysaccharide from *Allium tenuissimum* L. flowers relieves ulcerative colitis by regulating the inflammatory signaling pathway and gut microbiota

Yan Zhang,* Siyu Yu, Jia Liu, Ying Liu, Jie Luo and Yong Liu

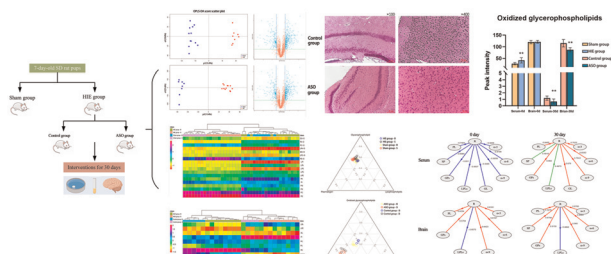
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Effects of the probiotic *Bacillus coagulans* BC69 on the metabolic and histological alterations induced by a high-sugar and high-fat diet in C57BL/6J mice

Jiawei Huang, Rumeng Jiang and Yonghong Wang*

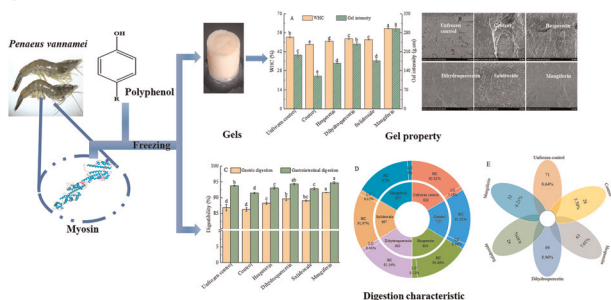
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Lipidomics reveal the cognitive improvement effects of *Acer truncatum* Bunge seed oil on hypoxic-ischemic encephalopathy rats

Xianyang Chen,* Wangting Song,* Yige Song, Hongli Cao, Xiao Xu, Shujia Li, Yanmin Fu, Teng Xue, Chunguang Ding, Feng Lin, Yuan Shi and Jiujun Li*

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Effects of polyphenols on the gel and digestive properties of *Penaeus vannamei* myosin after freezing

Yanfang Lv, Xiaoyan Zhen, Qianqian Liang, Defu Zhang, Shumin Yi, Xuepeng Li* and Jianrong Li*

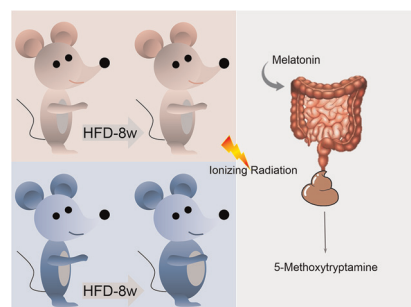


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High-fat diet alters the radiation tolerance of female mice and the modulatory effect of melatonin

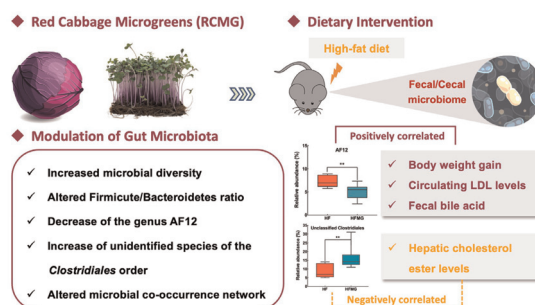
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Red cabbage microgreen modulation of gut microbiota is associated with attenuation of diet-induced obesity risk factors in a mouse model

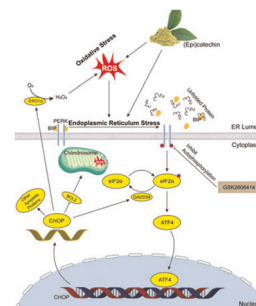
Yanbei Wu, Quynhchi Pham, Yali Wang, Haiqiu Huang, Xiaojing Jiang, Robert W. Li, Liangli Yu, Yaguang Luo, Jing Wang and Thomas T. Y. Wang*



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(Epi)catechin damage effects on the development of mouse intestinal epithelial structure through the PERK-eIF2 α -ATF4-CHOP pathway

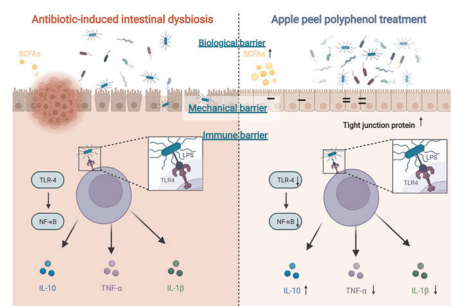
Shijie Guo, Weiwei Huang, Qingqing Cao, Qingbin Guo, Jianzhong Han* and Yumei Qin*



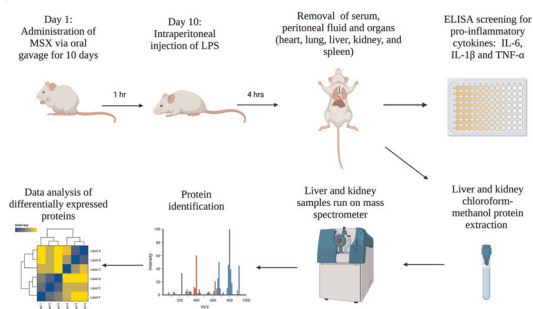
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Apple peel polyphenol alleviates antibiotic-induced intestinal dysbiosis by modulating tight junction proteins, the TLR4/NF- κ B pathway and intestinal flora

Ziqian He, Na Deng, Bisheng Zheng,* Yingjie Gu, Jian Chen, Tong Li, Rui Hai Liu, Ling Yuan and Wenzhi Li



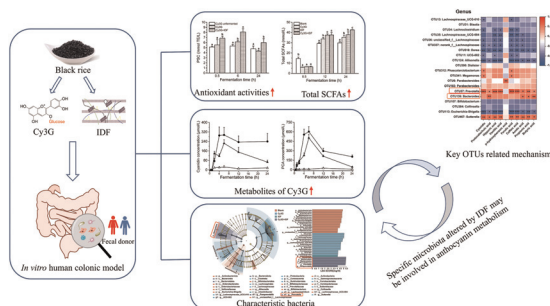
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Uncovering the anti-inflammatory mechanisms of phenolic-enriched maple syrup extract in lipopolysaccharide-induced peritonitis in mice: insights from data-independent acquisition proteomics analysis

Tess Puopolo, Huifang Li, Hang Ma, Joseph M. Schrader, Chang Liu* and Navindra P. Seeram*

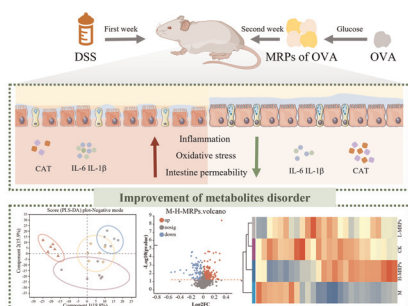
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Modulation effect of black rice dietary fiber on the metabolism and fermentation of cyanidin-3-glucoside in an *in vitro* human colonic model

Shuai Zhang, Mei Deng, Ruifen Zhang, Xuchao Jia, Fei Huang, Dong Zhao, Lihong Dong, Jianwei Chi, Zhida Sun, Qin Ma* and Mingwei Zhang*

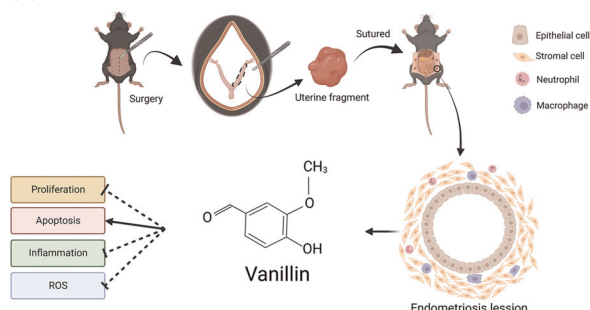
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Untargeted metabolomics revealed the regulatory effect of Maillard reaction products of ovalbumin with different degrees on the metabolism of colitis mice

Qi Yang, Xiaomin Shang, Ting Li, Siwen Lyu, Xuanting Liu, Zhiyang Du, Jingbo Liu and Ting Zhang*

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Vanillin prevents the growth of endometriotic lesions through anti-inflammatory and antioxidant pathways in a mouse model

Ying-Nan Liu, Jin-Wen Kang, Yu Zhang, Shan-Shan Song, Qi-Xin Xu, Han Zhang, Lei Lu, Shu-Wen Wei, Chen Liang and Ren-Wei Su*



CORRECTIONS

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Correction: Polycyclic polyprenylated acylphloroglucinols from *Garcinia xanthochymus* fruits exhibit antitumor effects through inhibition of the STAT3 signaling pathway

Jing Xu, Shan Jin, Fei Gan, Hui Xiong, Zhinan Mei, Yu Chen* and Guangzhong Yang*

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Correction: Heat-treated foxtail millet protein delayed the development of pre-diabetes to diabetes in mice by altering gut microbiota and metabolomic profiles

Han Wang, Qun Shen, Fan Zhang, Yongxia Fu, Yiqing Zhu, Liangxing Zhao, Chao Wang and Qingyu Zhao*

