

# Food & Function

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**Cover**  
See Jike Lu, Juanjuan Yi *et al.*,  
pp. 6900–6913.

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**Inside cover**  
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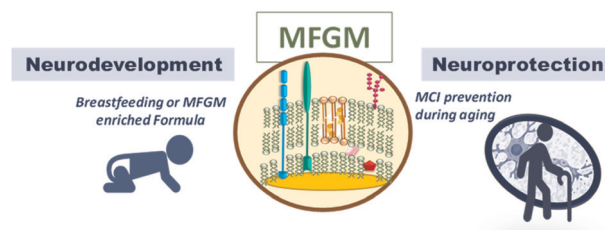
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*Food Funct.*, 2024, **15**, 6914.

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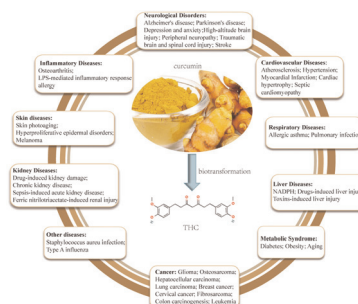
Álvaro Luque-Uría, María V. Calvo, Francesco Visioli and  
Javier Fontecha\*



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Li Li, Jin Zeng, Mengni Yang, Junning Zhao\* and  
Ruirong Tan\*



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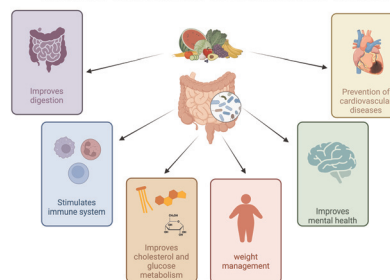
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### Comparative analysis of pectin and prebiotics on human microbiota modulation in early life stages and adults

Janaina Lombello Santos Donadio and João Paulo Fabi\*

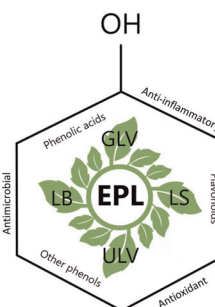
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### Polyphenols in edible plant leaves: an overview of their occurrence and health properties

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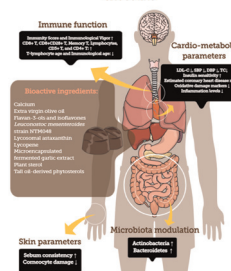


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### A systematic review of randomized controlled trials on the health effects of chocolate enriched/fortified/supplemented with functional components

Oleg Frumuzachi, Mihai Babotă,\* Corneliu Tanase and Andrei Mocan

#### Bioactive enriched/fortified/supplemented chocolate

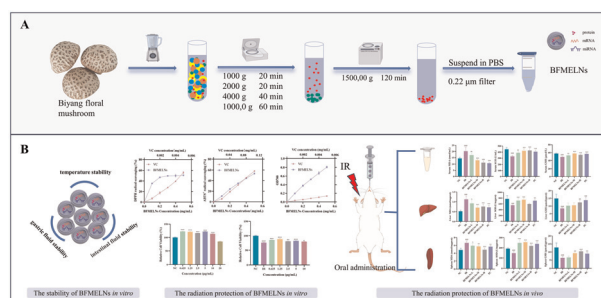


## PAPERS

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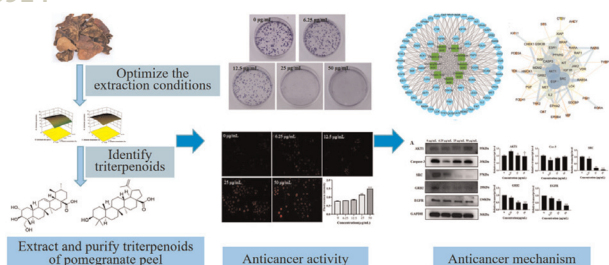
### Biyang floral mushroom-derived exosome-like nanovesicles: characterization, absorption stability and ionizing radiation protection

Yunying Ling, Xue Li, Hang Gao, Yongqi Liu, Yingxin Liu, Jie Zheng, Jiaqing Zhu, Changcheng Zhao, Yanling Shi, Jike Lu\* and Juanjuan Yi\*



## PAPERS

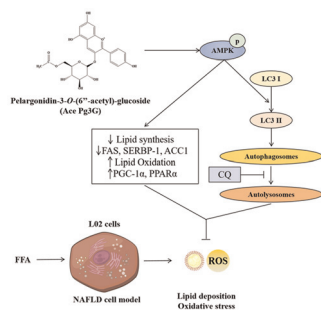
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### Extraction, purification and anticancer activity studies on triterpenes from pomegranate peel

Mengqi Zhang, Yutao Zhang, Xu Guo, Yingying Chen, Huimin Li, Guihua Zhou, Shutao Sun, Qidong Ren, Jesus Simal-Gandara, Jinyue Sun,\* Ningyang Li\* and Chao Liu\*

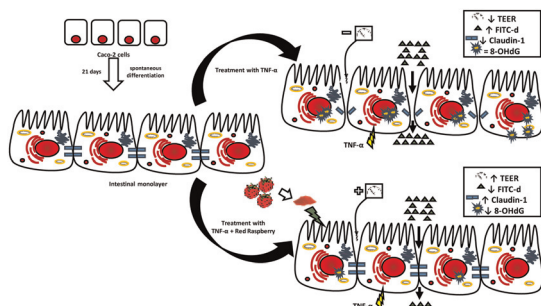
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### Acetylated pelargonidin-3-O-glucoside alleviates hepatocyte lipid deposition through activating the AMPK-mediated lysosome-autophagy pathway and redox state

Lianghua Xie, Xin Hao, Jiahong Xie, Jianling Mo, Changzheng Yuan\* and Wei Chen\*

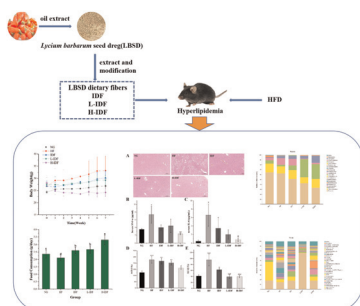
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### Red raspberry (*Rubus idaeus*) preserves intestinal barrier integrity and reduces oxidative stress in Caco-2 cells exposed to a proinflammatory stimulus

Mirko Marino, Marco Rendine, Samuele Venturi, Marisa Porrini, Claudio Gardana, Dorothy Klimis-Zacas, Patrizia Riso and Cristian Del Bo\*

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### Carboxymethylated *Lycium barbarum* seed dreg dietary fiber alleviates high fat diet-induced hyperlipidemia in mice *via* intestinal regulation

Jian-Guo Zhang, Ying Zhang, Gang Yang, Wang-Wei Zhang, Kiran Thakur, Zhi-Jing Ni and Zhao-Jun Wei\*

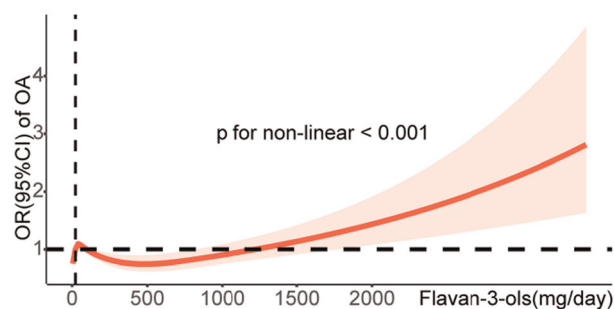


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### Flavan-3-ol monomers intake is associated with osteoarthritis risk in Americans over 40 years of age: results from the National Health and Nutritional Examination Survey database

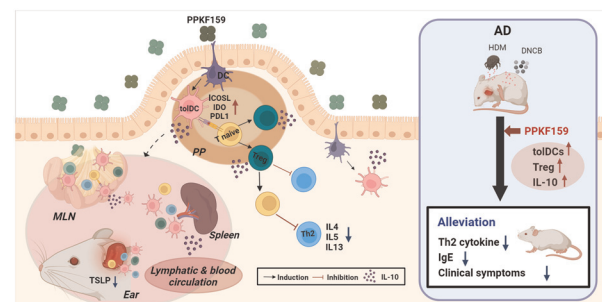
Donghui Zhao, Shasha Shen, Yi Guo, Yu Wang, Chonghao Gu, Bingqing Guo and Tao Jiang\*



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### *Pediococcus pentosaceus* KF159 alleviates house dust mite-induced atopic dermatitis by promoting IL10 production and regulatory T cell induction

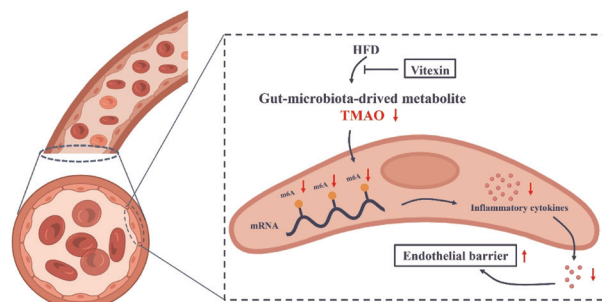
Ji-Eun Eom, Dong-Uk Shin, Gun-Dong Kim, Jung-Hoon Yoon, Hee Soon Shin\* and So-Young Lee\*



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### Protective effect of vitexin against high fat-induced vascular endothelial inflammation through inhibiting trimethylamine N-oxide-mediated RNA m6A modification

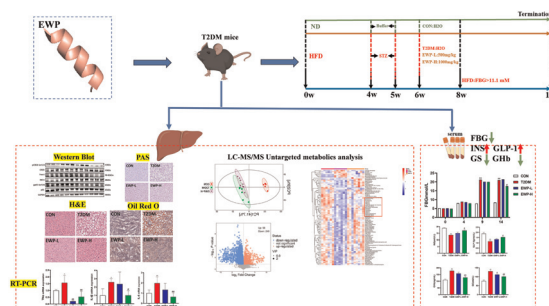
Wenwen Li, Zeyuan Deng, Shuang Xiao, Qian Du, Mengru Zhang, Hailing Song, Caidong Zhao and Liufeng Zheng\*



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### Egg white-derived peptides reduced blood glucose in high-fat-diet and low-dose streptozotocin-induced type 2 diabetic mice *via* regulating the hepatic gluconeogenic signaling and metabolic profile

Xinyi Cao, Liang Chen, Kun Lu, Tingqing Yu, Hui Xia, Shaokang Wang, Guiju Sun, Ping Liu and Wang Liao\*



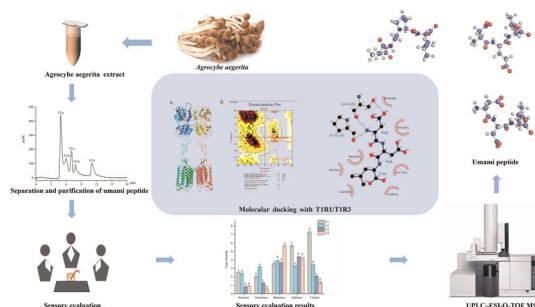


## PAPERS

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### Investigation of umami peptides and taste mechanisms in *Agrocybe aegerita*: based on sensory evaluation and molecular docking techniques

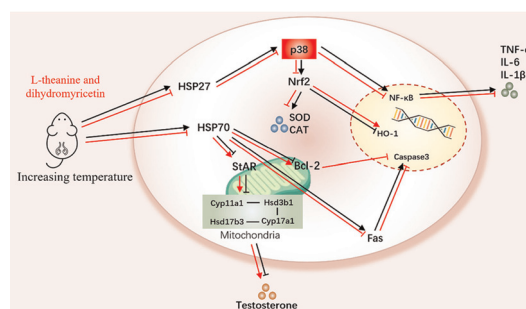
Fan Yang, Rui Cao, Anzhen Fu, Ye Liu\* and Shuang Bi\*



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### Protective effects of L-theanine and dihydromyricetin on reproductive function in male mice under heat stress

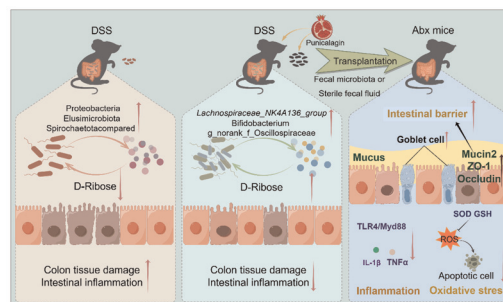
Difei Yang, Kaihang Xu, Wenmao Wang, Peijian Chen, Chao Liu, Sha Liu, Wei Xu and Wenjun Xiao\*



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### Gut microbiota and D-ribose mediate the anti-colitic effect of punicalagin in DSS-treated mice

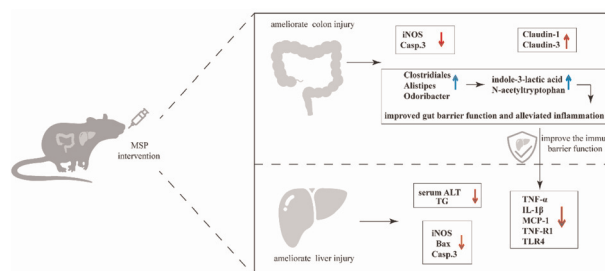
Huanhuan Liu, Chunhong Yan, Yue Teng, Jian Guo, Chencheng Liang and Xiaodong Xia\*



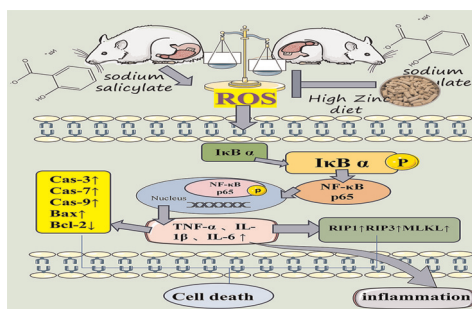
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### Musculus senhousi peptides alleviated alcoholic liver injury via the gut–liver axis

Chuqiao Xiao, Ruibo Jia, Xiang-Guang Li,\* Mouming Zhao,\* Wenzhen Liao, Suqing Zhao, Feiran Xu and Fidel Toldrá



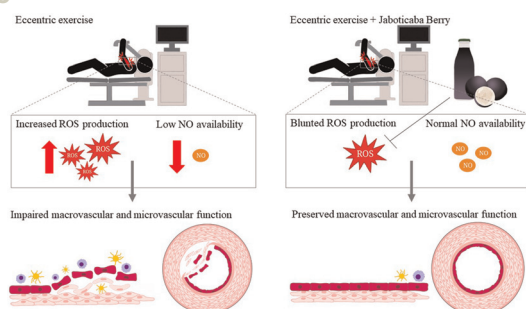
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### Zinc supplementation alleviates oxidative stress to inhibit chronic gastritis via the ROS/NF- $\kappa$ B pathway in a mouse model

Xiaoran Sun, Shuang Xu, Tianjing Liu, Jiawei Wu, Jie Yang and Xue-jiao Gao\*

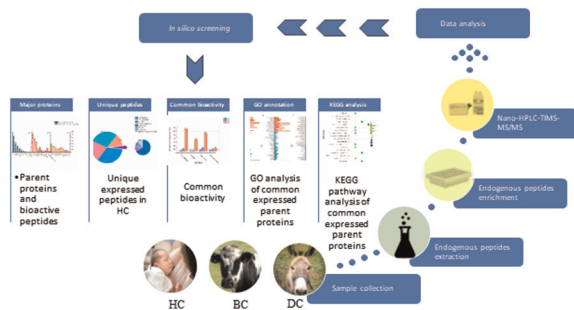
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### Jaboticaba berry (*Myrciaria jaboticaba*) supplementation protects against micro- and macrovascular dysfunction induced by eccentric exercise: a randomized clinical trial

Olavo João Frederico Ramos Junior, Isabela Ribeiro Grangeira Tavares, Rayssa Cruz Lima, Carlos Adam Conte-Junior and Thiago Silveira Alvares\*

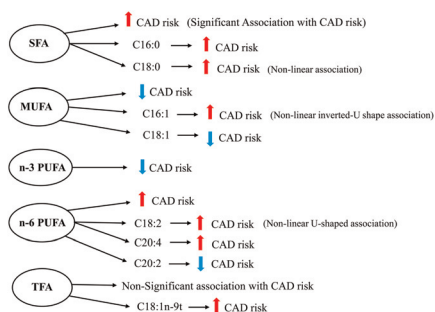
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### Peptidome profiling of human, bovine, and donkey colostrum through label-free quantitative analysis reveals proteolysis of milk proteins

Jianting Ning, Jialu Chen, Qing Zhu, Mingyue Shi, Jiali Chen, Xiaoyu Liu, Xue Luo\* and Xiqing Yue\*

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### Fatty acid composition in erythrocytes and coronary artery disease risk: a case-control study in China

Yongjin Wang, Gangcheng Wu, Feng Xiao, Hongming Yin, Le Yu, Yujia Chen, Qayyum Shehzad, Lirong Xu, Hui Zhang, Qingzhe Jin and Xingguo Wang\*



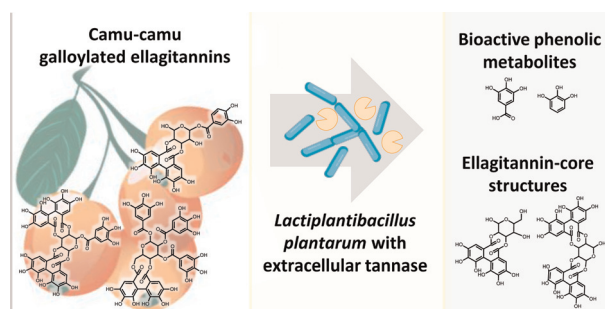


## PAPERS

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### Biotransformation of camu–camu galloylated ellagitannins by *Lactiplantibacillus plantarum* with extracellular tannase activity

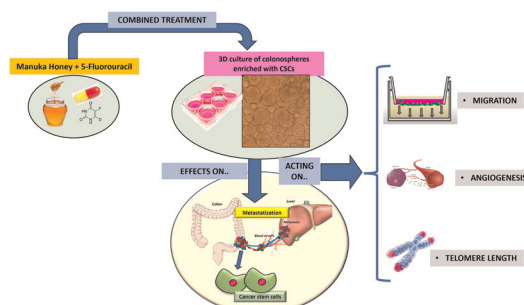
Elena C. Pulido-Mateos, Jacob Lessard-Lord, Yves Desjardins and Denis Roy\*



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### Manuka honey's anti-metastatic impact on colon cancer stem-like cells: unveiling its effects on epithelial–mesenchymal transition, angiogenesis and telomere length

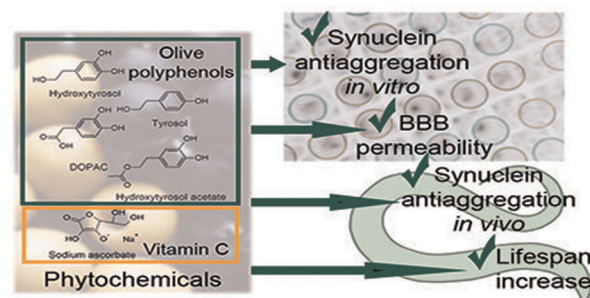
Danila Cianciosi, Tamara Forbes-Hernandez, Yasmany Armas Diaz, Maria Elexpuru-Zabaleta, José L. Quiles, Maurizio Battino\* and Francesca Giampieri



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### Olive oil tyrosols reduce $\alpha$ -synuclein aggregation *in vitro* and *in vivo* after ingestion in a *Caenorhabditis elegans* Parkinson's model

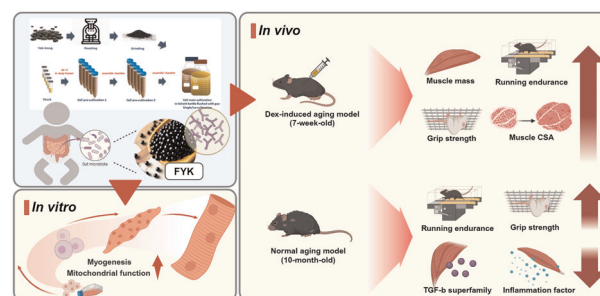
Samanta Hernández-García, Beatriz García-Cano, Pedro Martínez-Rodríguez, Paula Henarejos-Escudero and Fernando Gandía-Herrero\*



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### Fermented Yak-Kong using *Bifidobacterium animalis* derived from Korean infant intestine effectively relieves muscle atrophy in an aging mouse model

Seung Hee Yang, Hee Yang, Byeong Min Ahn, Sung-Young Lee, Seon Joo Lee, Jin Soo Kim, Young Tae Koo, Chang Hyung Lee, Jong Hun Kim, Jung Han Yoon Park, Young Jin Jang\* and Ki Won Lee\*



## CORRECTION

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**Correction: Administering *Lactiplantibacillus fermentum* F6 decreases intestinal *Akkermansia muciniphila* in a dextran sulfate sodium-induced rat colitis model**

Qiuwen He, Tao Zhang, Weiqin Zhang, Cuijiao Feng, Lai-Yu Kwok, Heping Zhang and Zhihong Sun\*

