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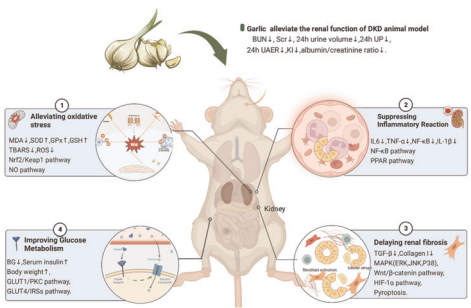
Yayi Jiang, Zihan Li, Rensong Yue,* Guojie Liu, Maoyi Yang, Caiyi Long and Dawei Yan



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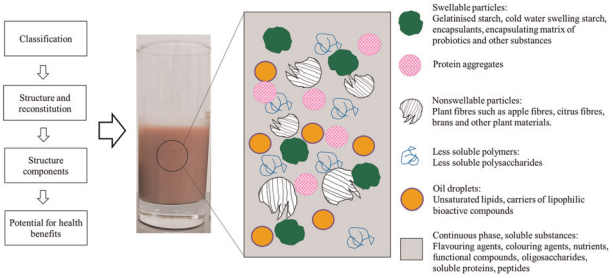
Yi Ren, Fuhuai Jia and Duo Li*



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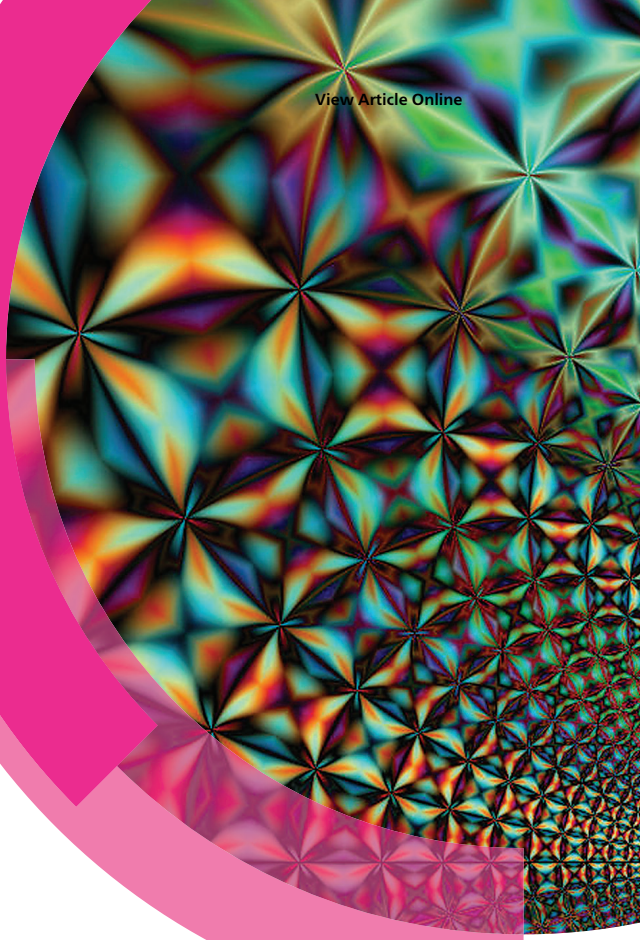

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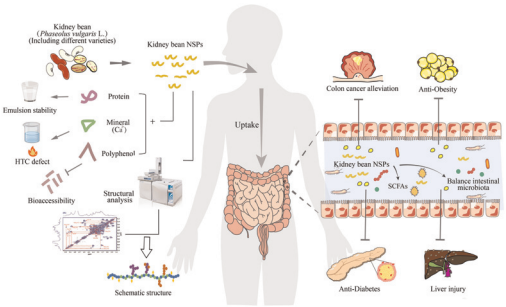
Non-starch polysaccharides from kidney beans: comprehensive insight into their extraction, structure and physicochemical and nutritional properties

Chunli Kong, Caiping Duan, Yixuan Zhang, Yiying Wang, Zheng Yan* and Sumei Zhou*



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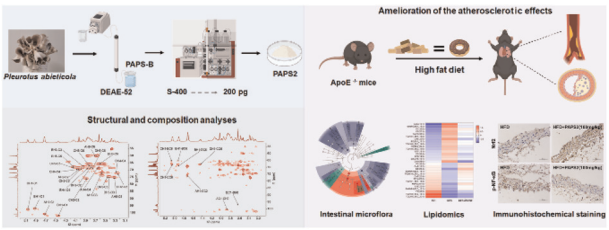
The amelioration of a purified *Pleurotus abieticola* polysaccharide on atherosclerosis in ApoE$^{-/-}$ mice

Lei Xing, Fange Kong, Chunxia Wang, Lanzhou Li, Shichao Peng, Di Wang* and Changtian Li*



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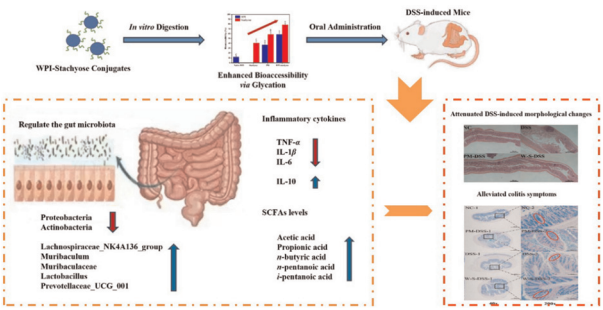
Zi-han Wang, Guang-yao Zhang, Cong Sun, Shu-xin Ning, Da-yong Zhou and Liang Song*



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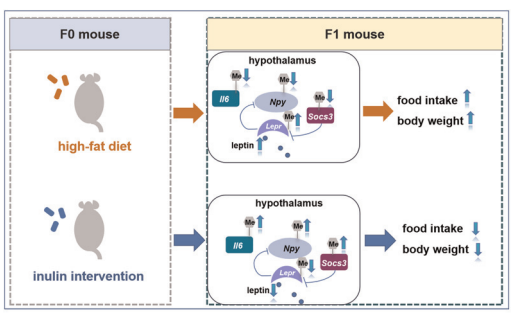
Maternal inulin alleviates high-fat diet-induced lipid disorder in offspring by epigenetically modulating hypothalamus feeding circuit-related genes

Qian Zhang, Xinhua Xiao,* Jia Zheng, Ming Li, Miao Yu, Fan Ping and Tong Wang



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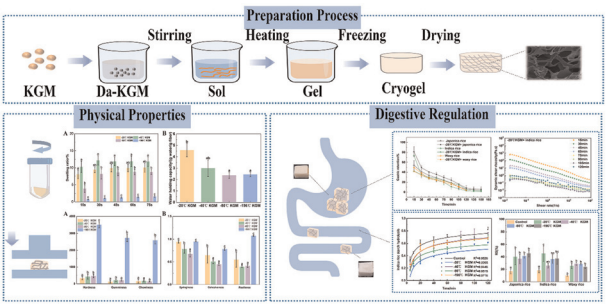

Preparation of a novel expandable konjac fiber at different freezing temperatures and exploration of its digestion regulation functions

Sha Li, Longchen Shang, Yuanyuan Chen, Rong Song, Jing Li and Bin Li*

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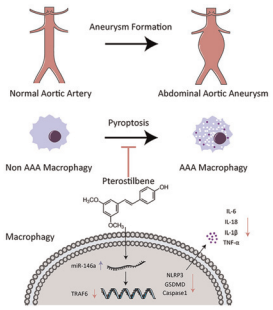

Pterostilbene alleviates abdominal aortic aneurysm *via* inhibiting macrophage pyroptosis by activating the miR-146a-5p/TRAF6 axis

Huoying Cai, Lin Huang, Mingshan Wang, Ruiming Liu, Jiacong Qiu, Yuansen Qin, Xi Yao, Shenming Wang,* Chen Yao,* Zuojun Hu* and Yu Zhou*

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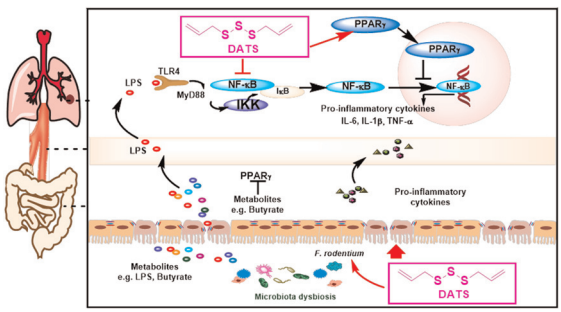

Diallyl trisulfide inhibits 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone-induced lung cancer *via* modulating gut microbiota and the PPARγ/NF-κB pathway

Zhuo Qu, Jiahui Tian, Jiachen Sun, Ying Shi, Jianqiang Yu, Wannian Zhang and Chunlin Zhuang*

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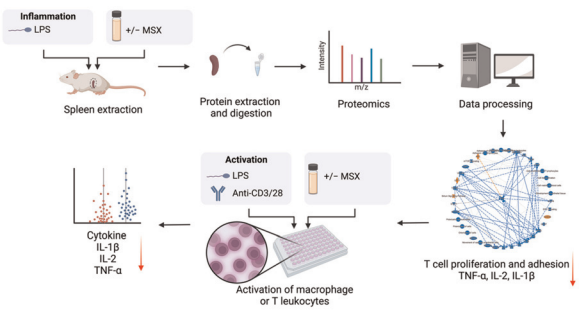

Exploring immunoregulatory properties of a phenolic-enriched maple syrup extract through integrated proteomics and *in vitro* assays

Tess Puopolo, Ying Chen, Hang Ma, Chang Liu* and Navindra P. Seeram*

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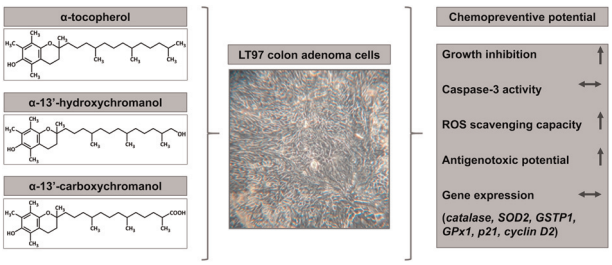
Chemopreventive effects of α-tocopherol and its long-chain metabolites α-13′-hydroxy- and α-13′-carboxychromanol in LT97 colon adenoma cells

Wiebke Schlörmann,* Sijia Liao, Tülin Dinc, Stefan Lorkowski, Maria Wallert and Michael Glei



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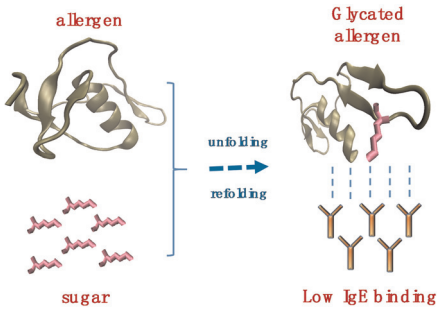
Effects of unfolding treatment assisted glycation on the IgE/IgG binding capacity and antioxidant activity of ovomucoid

Xian Xia, Jiangdong Li, Rui Liang, Yi Li, Xiaojuan Ma,* Ying Yang and Daniel Lozano-Ojalvo



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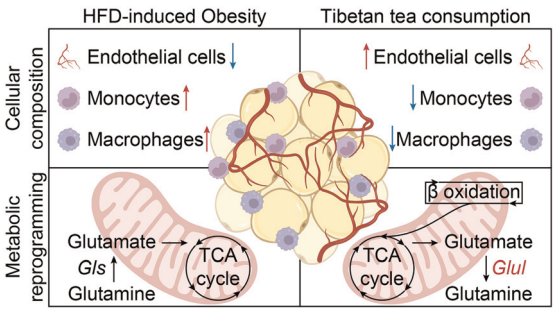
Tibetan tea consumption prevents obesity by modulating the cellular composition and metabolic reprogramming of white adipose tissue

Songqi Duan, Hongyu Li, Ziqi Wang, Junqi Li, Weimin Huang, Zhengfeng Fang, Cheng Li, Zhen Zeng,* Baofa Sun and Yuntao Liu*



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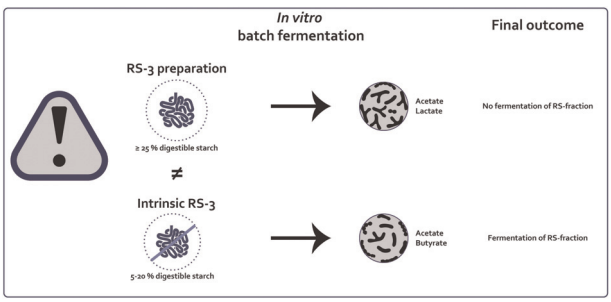
Presence of digestible starch impacts *in vitro* fermentation of resistant starch

Cynthia E. Klostermann, Martha F. Endika, Dimitrios Kouzounis, Piet L. Buwalda, Paul de Vos, Erwin G. Zoetendal, Johannes H. Bitter and Henk A. Schols*



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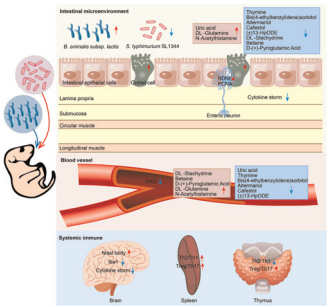

Bifidobacterium animalis* subsp. *lactis* boosts neonatal immunity: unravelling systemic defences against *Salmonella

Chunxiu Lin, Yugui Lin, Shunhe Wang, Jialiang Wang, Xuhua Mao, Yonghua Zhou, Hao Zhang, Wei Chen and Gang Wang*

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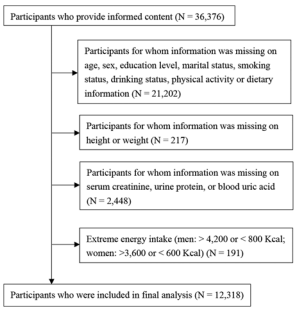

Association between dietary patterns and chronic kidney disease combined with hyperuricemia

Mengrui Luo, Tiancong Liu, Hao Ju, Yang Xia, Chao Ji* and Yuhong Zhao*

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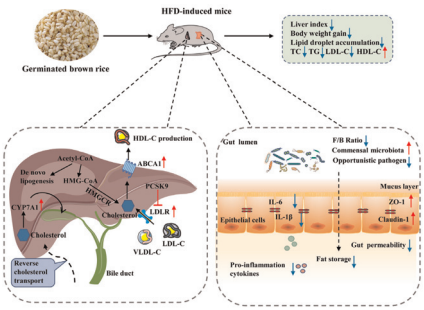

Whole grain germinated brown rice intake modulates the gut microbiota and alleviates hypertriglyceridemia and hypercholesterolemia in high fat diet-fed mice

Shuai Han, Xiuxiu Wu, Lingfeng Zhu, Han Lu, Xuke Ling, Yi Luo, Zuomin Hu, Yaping Zhou, Yiping Tang and Feijun Luo*

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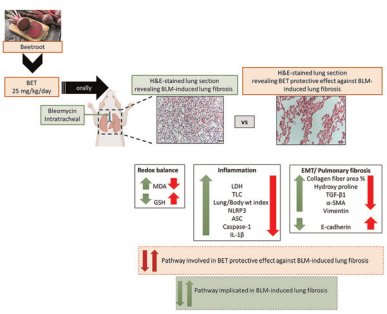

Betanin protects against bleomycin-induced pulmonary fibrosis by regulating the NLRP3/IL-1β/TGF-β1 pathway-mediated epithelial-to-mesenchymal transition

Nesma A. Abd Elrazik* and Sahar A Helmy

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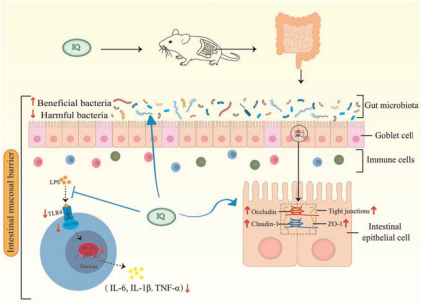
Isoquercitrin alleviates lipopolysaccharide-induced intestinal mucosal barrier damage in mice by regulating TLR4/MyD88/NF-κB signaling pathway and intestinal flora

Enhui Tang, Tong Hu, Zhaokang Jiang, Xiaojun Shen, Huan Lin, Haiyan Xian and Xinlan Wu*



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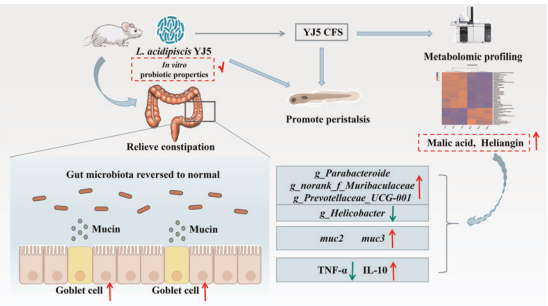
***Ligilactobacillus acidipiscis* YJ5 modulates the gut microbiota and produces beneficial metabolites to relieve constipation by enhancing the mucosal barrier**

Fei Shen, Qianqian Wang, Sami Ullah, Ya Pan, Minjie Zhao, Jing Wang, Ming Chen, Fengqin Feng* and Hao Zhong*



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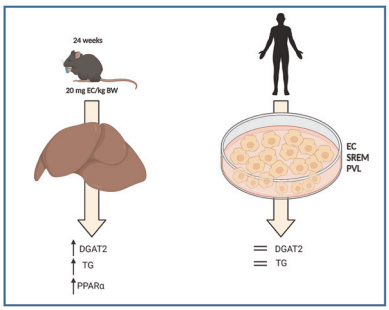
Effects of (−)-epicatechin on hepatic triglyceride metabolism

Zahra Mostofinejad, Eleonora Cremonini, Jiye Kang and Patricia I. Oteiza*



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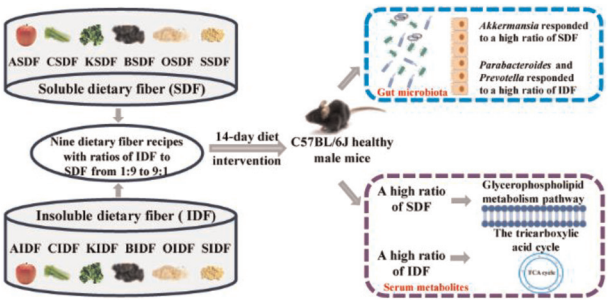
Insoluble/soluble fraction ratio determines effects of dietary fiber on gut microbiota and serum metabolites in healthy mice

Yanli Zhang, Jielun Hu, Yadong Zhong, Shuai Liu, Liandi Liu, Xinyi Mu, Chunhua Chen, Shenji Yang, Guohao Li, Duoduo Zhang, Xinru Huang, Jinrui Yang, Xiaojun Huang, Shuigen Bian and Shaoping Nie*



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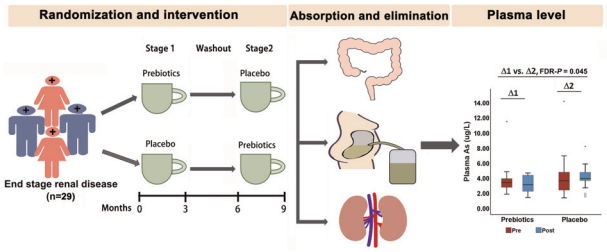

The arsenic-lowering effect of inulin-type prebiotics in end-stage renal disease: a randomized crossover trial

Li Li, Jing Zhao, Jinxue Wang, Qianqian Xiong, Xuechun Lin, Xiaolei Guo, Fan Peng, Wangqun Liang, Xuezhi Zuo* and Chenjiang Ying*

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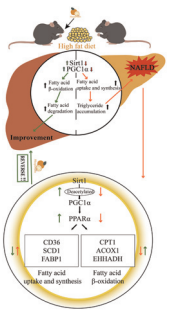

The promotion of fatty acid β-oxidation by hesperidin *via* activating SIRT1/PGC1α to improve NAFLD induced by a high-fat diet

Tong Nie, Xin Wang, Aqun Li, Anshan Shan and Jun Ma*

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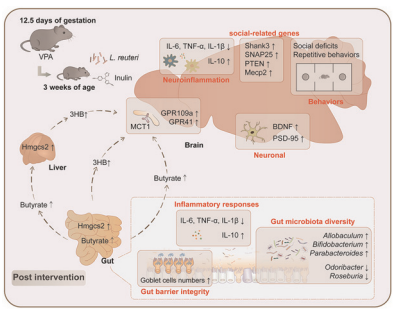

A synbiotic formulation of *Lactobacillus reuteri* and inulin alleviates ASD-like behaviors in a mouse model: the mediating role of the gut–brain axis

Chuanchuan Wang, Weixuan Chen, Yishan Jiang, Xiao Xiao, Qianhui Zou, Jiarui Liang, Yu Zhao, Qianxu Wang, Tian Yuan, Rui Guo,* Xuebo Liu* and Zhigang Liu*

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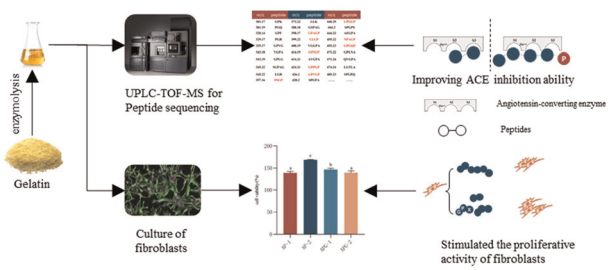

The targeted development of collagen-active peptides based on composite enzyme hydrolysis: a study on the structure–activity relationship

Xinnuo Hu, Yanjun Yang,* Cuihua Chang,* Junhua Li, Yujie Su and Luping Gu

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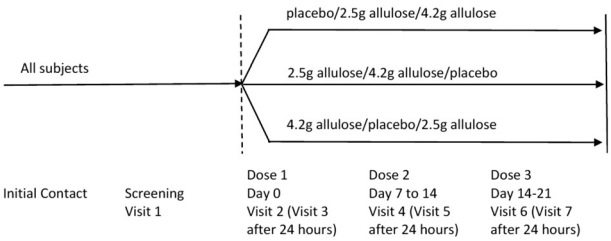
Gastrointestinal tolerance of D-allulose in children: an acute, randomised, double-blind, placebo-controlled, cross-over study

Davide Risso,* Gillian DunnGalvin, Sameer Saxena, Andrea Doolan, Lisa Spence and Kavita Karnik



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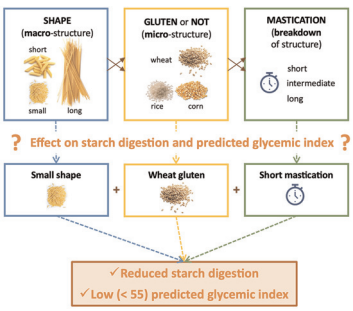
Effect of shape, gluten, and mastication effort on *in vitro* starch digestion and the predicted glycemic index of pasta

Xinying Suo, Anna Baggio, Nicoletta Pellegrini, Silvia Vincenzetti and Elena Vittadini*



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