

## Microbiome Information for: Allergy to milk products

### For non-prescribing Medical professionals Review

The suggestions below are based on an Expert System (Artificial Intelligence) modelled after the MYCIN Expert System produced at Stanford University School of Medicine in 1972. The system uses over 1,800,000 facts with backward chaining to sources of information. The typical sources are studies published on the US National Library of Medicine.

Many recent studies have found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is believed to reduce the severity of symptoms. In some cases, this correction may cause symptoms to disappear.

These are *a priori* suggestions that are predicted to independently reduce microbiome dysfunction. Suggestions should only be done after a review by a medical professional factoring in patient's conditions, allergies and other issues.

**This report may be freely shared by a patient to their medical professionals**

---

Best practise for making microbiome adjustments is to obtain the individual's microbiome. The following are the best microbiome to use with this expert system model. The suggestions below are intended as temporary suggestions until a test result is received.

In the USA

Ombre (<https://www.ombrelab.com/>)  
Thorne (<https://www.thorne.com/products/dp/gut-health-test>)  
Worldwide: BiomeSight (<https://biomesight.com>) - Discount Code 'MICRO'

### Analysis Provided by Microbiome Prescription

A Microbiome Analysis Company

892 Lake Samish Rd, Bellingham WA 98229  
Email: [Research@MicrobiomePrescription.com](mailto:Research@MicrobiomePrescription.com)

[Our Facebook Discussion Page](#)

## Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of Allergy to milk products

**Nota Bena:** Many studies are done with a small sample size or mixtures of condition subsets which can greatly diminish the ability to detect bacteria shifts.

Bacteria Name	Rank Shift	Taxonomy ID	Bacteria Name	Rank Shift	Taxonomy ID
Bacteroidia	class High	200643	Clostridium	genus High	1485
Acidaminococcaceae	family Low	909930	Collinsella	genus High	102106
Bifidobacteriaceae	family Low	31953	Coprococcus	genus High	33042
Burkholderiaceae	family High	119060	Enterobacter	genus High	547
Dietziaceae	family Low	85029	Escherichia	genus Low	561
Enterobacteriaceae	family Low	543	Faecalibacterium	genus High	216851
Enterococcaceae	family Low	81852	Granulicatella	genus Low	117563
Flavobacteriaceae	family High	49546	Haemophilus	genus High	724
Lachnospiraceae	family Low	186803	Klebsiella	genus High	570
Methylophilaceae	family Low	32011	Parabacteroides	genus Low	375288
Nannocystaceae	family High	224463	Prevotella	genus High	838
Oscillospiraceae	family High	216572	Ruminococcus	genus High	1263
Prevotellaceae	family Low	171552	Staphylococcus	genus High	1279
Ruminococcaceae	family High	541000	Subdoligranulum	genus High	292632
Shewanellaceae	family High	267890	Turicibacter	genus Low	191303
Streptococcaceae	family Low	1300	Lactobacillales	order Low	186826
Thermomonosporaceae	family High	2012	Akkermansia muciniphila	species High	239935
Actinobacillus	genus High	713	Blautia coccoides	species High	1532
Atopobium	genus High	1380	Coprococcus catus	species Low	116085
Bifidobacterium	genus Low	1678	Escherichia coli	species High	562
Christensenella	genus High	990721	Lacrimispora celerecrescens	species High	29354
			Oscillibacter valericigenes	species High	351091

## Substance to Consider Adding or Taking

These are the most significant substances that are likely to improve the microbiome dysfunction. Dosages are based on the dosages used in clinical studies. For more information see: <https://microbiomeprescription.com/library/dosages>. These are provided as examples only

Colors indicates the type of substance: i.e. probiotics and prebiotics, herbs and spices, etc. There is no further meaning to them.

ascophyllum nodosum {Rockweed}

Capsicum annuum {Peppers} {Cayenne Pepper, Hot Pepper}

Disodium fumarate {Fumaric acid disodium salt}

Ferrum {Iron Supplements} 400 mg/day

Finnish Probiotic {Valio Probiotic}

Heyndrickxia coagulans {B. coagulans} 10 BCFU/day

Panax ... {Ginseng} 2000 mg/day

Saccharomyces cerevisiae var boulardii {S. boulardii} 6 BCFU/day

Sodium Chloride {Salt}

Sus domesticus {Pork}

Ulmus rubra {slippery elm}

vegetarians

## Retail Probiotics

Over 260 retail probiotics were evaluated with the following deemed beneficial with no known adverse risks.

Eden's / 3-in-1 Synbiotic Superblend  
nature's instincts / ultra spore probiotic  
Bulk Probiotics / *Saccharomyces boulardii* Probiotic Powder (Digestive Support)  
Biomed / *Bacillus Coagulans*  
vitamin angels / just thrive  
Sun Wave Pharma/Bio Sun Instant  
nature's way (au) / adult vita gummies daily probiotic 80s  
microbiome labs / restorflora  
Bromatech (IT) / Enterelle  
organic 3 / primal soil  
Maple Life Science™ / *Streptococcus faecalis butyricum mesentericus sporogenes*  
florastor / florastor  
BIO-BOTANICAL RESEARCH / Megacidin  
reserveage nutrition / beautiflora  
Bioflora (MX) / BIOFLORAMX / 50 BILLION 10 Strains  
imagilin / NutriLots Replenish  
Ombre / Endless Energy  
Jetson / FIT  
source naturals / duraflora  
optibac / *saccharomyces boulardii*  
thorne / *bacillus coagulans*vet 60 caps  
enviromedica terraflora sbo probiotic  
schiff / digestive advantage  
daiichi sankyo healthcare (jp) / panlacmin tablet  
spain (es) / ultralevura  
organic 3 / yeastbiotic  
corebiotic  
Bulk Probiotics / *Bacillus Coagulans* Probiotic  
mwsb / candida yeast support  
microbiome labs/ megasporebiotic  
klaire labs / biospora  
Bromatech / ENTERELLE PLUS  
SuperSmart / *Saccharomyces Boulardii*  
Schwabe Pharma Italia / AxiBoulardi  
perfect pass / perfect pass probiotic *bacillus* spore  
Ombre / Metabolic Booster  
global health trax / threelac  
spain (es) / axiboulardi  
Law of Nature / Best Days Formula  
bio-botanical research / proflora4r restorative probiotic

Note: Some of these are only available regionally – search the web for sources.

## Substance to Consider Reducing or Eliminating

These are the most significant substances have been identified as probably contributing to the microbiome dysfunction.

In some cases blood work may show low levels of some vitamins, etc. listed below. This may be due to greedy bacteria reported at a high level above. Viewing bacteria data on the Kyoto Encyclopedia of Genes and Genomes (<https://www.kegg.jp/>) may provide better insight on the course of action to take.

(2->1)-beta-D-fructofuranan {Inulin}  
fructo-oligosaccharides

Lactobacillus plantarum {L. plantarum}  
oligosaccharides {oligosaccharides}  
synthetic disaccharide derivative of lactose {Lactulose}

## Sample of Literature Used

The following are the most significant of the studies used to generate these suggestions.

### Specific Gut Microbiome Signatures in Children with Cow's Milk Allergy.

**Nutrients** , Volume: 16 Issue: 16 2024 Aug 18

Authors Moriki D,León ED,García-Gamero G,Jiménez-Hernández N,Artacho A,Pons X,Koumpagioti D,Dinopoulos A,Papaevangelou V,Priftis KN,Douros K,Francino MP

### Lactic acid bacteria and yeast co-fermented milk alleviate cow milk allergy.

**Journal of food science** , Volume: 89 Issue: 7 2024 Jul

Authors Ma R,Miao N,Li J,Xu Y,Li X,Zhao J,Mu G,Zhu X

### Current insights into cow`s milk allergy in children: Microbiome, metabolome, and immune response-A systematic review.

**Pediatric allergy and immunology : official publication of the European Society of Pediatric Allergy and Immunology** , Volume: 35 Issue: 2 2024 Feb

Authors Savova MV,Zhu P,Harms AC,van der Molen RG,Belzer C,Hendrickx DM

### Akkermansia muciniphila exacerbates food allergy in fibre-deprived mice.

**Nature microbiology** , Volume: 8 Issue: 10 2023 Oct

Authors Parrish A,Boudaoud M,Grant ET,Willieme S,Neumann M,Wolter M,Craig SZ,De Sciscio A,Cosma A,Hunewald O,Ollert M,Desai MS

A double-blind, 377-subject randomized study identifies Ruminococcus, Coprococcus, Christensenella, and Collinsella as long-term potential key players in the modulation of the gut microbiome of lactose intolerant individuals by galacto-oligosaccharides.

**Gut microbes** , Volume: 13 Issue: 1 2021 Jan-Dec

Authors Azcarate-Peril MA,Roach J,Marsh A,Chey WD,Sandborn WJ,Ritter AJ,Savaiano DA,Klaenhammer TR

A single-cell transcriptomic atlas of all cell types in the brain of 5xFAD Alzheimer mice in response to dietary inulin supplementation.

**BMC biology** , Volume: 23 Issue: 1 2025 May 9

Authors Wang X,Zhang H,Wan Z,Li X,Ibáñez CF,Xie M

Alleviating Effect of Lactiplantibacillus plantarum HY-S10 on Colitis in Mice Based on an Analysis of the Immune Axis in the Intestine.

**Microorganisms** , Volume: 13 Issue: 4 2025 Apr 7

Authors Li M,Liu X,Chen W,Xu H,Huang F,Yao Q,Jia X,Huang Y

### Lactobacillus Genus Complex Probiotic-Induced Changes on the Equine Clitoral Microbiome.

**Veterinary sciences** , Volume: 12 Issue: 3 2025 Mar 3

Authors Herzog F,Crissman KR,Beckers KF,Zhou G,Liu CC,Sones JL

Electrostatically assembled maghemite nanoparticles-Lactobacillus plantarum: A novel hybrid for enhanced antioxidant, antimicrobial, and antibiofilm efficacy.

**Bioresource technology** , 2025 Apr 12

Authors Shingade JA,Padalkar NS,Shin JH,Kim YH,Park TJ,Park JP,Patil AR

Effects of combined prebiotic fiber supplementation and weight loss counseling in adults with metabolic dysfunction-associated steatotic liver disease: a randomized controlled trial.

**European journal of nutrition** , Volume: 64 Issue: 4 2025 Apr 2

Authors Mayengbam S,Raman M,Parnell JA,Eksteen B,Lambert JE,Eller LK,Nicolucci AC,Aktary ML,Reimer RA

Continuous intake of galacto-oligosaccharides containing syrup contributes to maintaining the health of household cats by modulating their gut microbiota.

**Bioscience of microbiota, food and health** , Volume: 44 Issue: 2 2025

Authors Hokkyo A,Kakiyama S,Shiwa Y,Kaga C,Kobayashi T,Nomoto K,Harima-Mizusawa N

Gut dysbiosis induced by a high-salt diet aggravates atherosclerosis by increasing the absorption of saturated fatty acids in ApoE-deficient mice.

**Journal of clinical biochemistry and nutrition** , Volume: 76 Issue: 2 2025 Mar

Authors Yoshimura T,Okamura T,Yuge H,Hosomi Y,Kimura T,Ushigome E,Nakanishi N,Sasano R,Ogata T,Hamaguchi M,Fukui M  
Effect of Probiotic Product Containing Heyndrickxia coagulans TBC169 on Hyperuricemia in Rats.

**Probiotics and antimicrobial proteins** , 2025 Mar 24

Authors Duan L,Zhang X,Wang D,Xin J,Jiang Y,Sun N,Chen B,Luo J,He Y,Pan K,Zeng Y,Jing B,Ni X,Liu H

Alleviation effects of Lactobacillus plantarum in colitis aggravated by a high-salt diet depend on intestinal barrier protection, NF-?B pathway regulation, and oxidative stress improvement.

**Food & function** , 2025 Mar 20

Authors Chen Y,Liu N,Chen F,Liu M,Mu Y,Wang C,Xia L,Peng M,Zhou M

Maternal dietary inulin intake during late gestation and lactation ameliorates intestinal oxidative stress in piglets with the involvements of gut microbiota and bile acids metabolism.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 20 2025 Mar

Authors Lu D,Feng C,Pi Y,Ye H,Wu Y,Huang B,Zhao J,Han D,Soede N,Wang J

Carbon dioxide enhances Akkermansia muciniphila fitness and anti-obesity efficacy in high-fat diet mice.

**The ISME journal** , 2025 Feb 23

Authors Wang X,Yang Q,Shi C,Wang Y,Guo D,Wan X,Dong P,Zhang Q,Hu Y,Zhang R,Yang H,Chen W,Liu Z

Synergistic defecation effects of Bifidobacterium animalis subsp. lactis BL-99 and fructooligosaccharide by modulating gut microbiota.

**Frontiers in immunology** , Volume: 15 2024

Authors Zhang Q,Zhao W,Luo J,Shi S,Niu X,He J,Wang Y,Zeng Z,Jiang Q,Fang B,Chen J,Li Y,Wang F,He J,Guo J,Zhang M,Zhang L,Ge S,Hung WL,Wang R

Inulin alleviates chronic ketamine-induced impairments in memory and prepulse inhibition by regulating the gut microbiota, inflammation, and kynurenone pathway.

**International journal of biological macromolecules** , Volume: 294 2025 Mar

Authors Xu Z,Lu H,Hu C,Wen Y,Shang D,Gan T,Guo Z,Dai L,Luo Y

Pepper power: short-term impact of pepper consumption on the gut bacteriome composition in healthy volunteers.

**PeerJ** , Volume: 12 2024

Authors Owolo O,Audu HJ,Afolayan AO,Ayen'i FA

Weizmannia coagulans BC99 Enhances Intestinal Barrier Function by Modulating Butyrate Formation to Alleviate Acute Alcohol Intoxication in Rats.

**Nutrients** , Volume: 16 Issue: 23 2024 Nov 29

Authors Li C,Zhai S,Duan M,Cao L,Zhang J,Wang Y,Wu Y,Gu S

Ginsenosides From Panax ginseng Improves Hepatic Lipid Metabolism Disorders in HFD-Fed Rats by Regulating Gut Microbiota and Cholesterol Metabolism Signaling Pathways.

**Phytotherapy research : PTR** , 2024 Dec 11

Authors Zhu Y,Zhang KX,Bu QY,Song SX,Chen Y,Zou H,You XY,Zhao GP

The probiotic Lactobacillus plantarum alleviates colitis by modulating gut microflora to activate PPAR? and inhibit MAPKs/NF-?B.

**European journal of nutrition** , Volume: 64 Issue: 1 2024 Nov 28

Authors Zang R,Zhou R,Li Y,Wu H,Lu L,Xu H

Probiotic-Loaded Bacterial Cellulose as an Alternative to Combat Carbapenem-Resistant Bacterial Infections.

**Antibiotics (Basel, Switzerland)** , Volume: 13 Issue: 11 2024 Oct 25

Authors Gutiérrez-Fernández J,Cerezo-Collado L,Garcés V,Alarcón-Guijo P,Delgado-López JM,Dominguez-Vera JM

Supplementation with inulin reverses cognitive flexibility alterations and modulates the gut microbiota in high-fat-fed mice.

**Frontiers in behavioral neuroscience** , Volume: 18 2024

Authors González-Velázquez G,Aguirre-Garrido JF,Oros-Pantoja R,Salinas-Velarde ID,Contreras I,Estrada JA,Soto-Piña AE

Galacto-oligosaccharides regulate intestinal mucosal sialylation to counteract antibiotic-induced mucin dysbiosis.

**Food & function** , Volume: 15 Issue: 24 2024 Dec 9

Authors Xu L,Li X,Han S,Mu C,Zhu W

Pediococcus pentosaceus RC007 and Saccharomyces boulardii RC009 as antibiotic alternatives for gut health in post-weaning pigs.

**Journal of applied microbiology** , 2024 Nov 5

Authors Parada J,Magnoli A,Poloni V,Isgro MC,Cavagliari LR,Luna MJ,Carranza A,Cavagliari L

Microbiota-Focused Dietary Approaches to Support Health: A Systematic Review.

**The Journal of nutrition** , Volume: 155 Issue: 2 2025 Feb

Authors Hindle VK,Veasley NM,Holscher HD

A comprehensive update on the immunoregulatory mechanisms of Akkermansia muciniphila: insights into active ingredients, metabolites, and nutrient-driven modulation.

**Critical reviews in food science and nutrition** , 2024 Oct 16

Authors Mei L,Wang J,Hao Y,Zeng X,Yang Y,Wu Z,Ji Y

Effects of xylo-oligosaccharide supplementation on the production performance, intestinal morphology, cecal short-chain fatty acid levels, and gut microbiota of laying hens.

**Poultry science** , Volume: 103 Issue: 12 2024 Dec

Authors Xiong S,Zhang K,Wang J,Bai S,Zeng Q,Liu Y,Peng H,Xuan Y,Mu Y,Tang X,Ding X

Oral delivery of electrohydrodynamically encapsulated Lactiplantibacillus plantarum CRD7 modulates gut health, antioxidant activity, and cytokines-related inflammation and immunity in mice.

**Food & function** , 2024 Oct 11

**Authors Varada W,Kumar S,Balaga S,Thanippilly AJ,Pushpadass HA,M RH,Jangir BL,Tyagi N,Samanta AK**

**Effects of iron supplements and iron-containing micronutrient powders on the gut microbiome in Bangladeshi infants: a randomized controlled trial.**

**Nature communications , Volume: 15 Issue: 1 2024 Oct 5**

**Authors Baldi A,Braat S,Hasan MI,Bennett C,Barrios M,Jones N,Abdul Azeez I,Wilcox S,Roy PK,Bhuiyan MSA,Ataide R,Ciucas D,Larson LM,Hamadani J,Zimmermann M,Bowden R,Jex A,Biggs BA,Pasricha SR**

**Alginic Oligosaccharides Enhance Gut Microbiota and Intestinal Barrier Function, Alleviating Host Damage Induced by Deoxynivalenol in Mice.**

**The Journal of nutrition , Volume: 154 Issue: 11 2024 Nov**

**Authors Mi J,Tong Y,Zhang Q,Wang Q,Wang Y,Lin G,Mo Q,Li T,Huang S**

**Effects of saponins R(b1) and R(e) in American ginseng intervention on intestinal microbiota of aging model.**

**Frontiers in nutrition , Volume: 11 2024**

**Authors Shi M,Fan H,Liu H,Zhang Y**

**Candidate-Probiotic Lactobacilli and Their Postbiotics as Health-Benefit Promoters.**

**Microorganisms , Volume: 12 Issue: 9 2024 Sep 19**

**Authors Dobreva L,Atanasova N,Donchev P,Krumova E,Abrashev R,Karakirova Y,Mladenova R,Tolchkov V,Ralchev N,Dishliyska V,Danova S**

**Study on the Therapeutic Effects and Mechanisms of Gintonin in Irritable Bowel Syndrome and Its Relationship with TRPV1, TRPV4, and NaV1.5.**

**Pharmaceuticals (Basel, Switzerland) , Volume: 17 Issue: 9 2024 Sep 4**

**Authors Choi NR,Ko SJ,Nam JH,Choi WG,Lee JH,Nah SY,Park JW,Kim BJ**

**In vitro and ex vivo metabolism of chemically diverse fructans by bovine rumen Bifidobacterium and Lactobacillus species.**

**Animal microbiome , Volume: 6 Issue: 1 2024 Sep 9**

**Authors King ML,Xing X,Reintjes G,Klassen L,Low KE,Alexander TW,Waldher M,Patel TR,Wade Abbott D**

**Cytotoxicity assessment and antimicrobial effects of cell-free supernatants from probiotic lactic acid bacteria and yeast against multi-drug resistant Escherichia coli.**

**Letters in applied microbiology , Volume: 77 Issue: 9 2024 Sep 2**

**Authors Ozma MA,Ghotaslou R,Asgharzadeh M,Abbasi A,Rezaee MA,Kafil HS**

**Effects of inulin on intestinal flora and metabolism-related indicators in obese polycystic ovary syndrome patients.**

**European journal of medical research , Volume: 29 Issue: 1 2024 Aug 31**

**Authors Li X,Jiang B,Gao T,Nian Y,Bai X,Zhong J,Qin L,Gao Z,Wang H,Ma X**

**Effect of Saccharomyces boulardii on Liver Diseases: A Systematic Review.**

**Microorganisms , Volume: 12 Issue: 8 2024 Aug 15**

**Authors Maslennikov R,Benuni N,Levshina A,Adzhieva F,Demina T,Kucher A,Pervushova E,Yuryeva E,Poluektova E,Zolnikova O,Kozlov E,Sigidaev A,Ivashkin V**

**Yeast mixture supplementation modulates faecal microbiota and ileum morphology of weaning pigs.**

**Animal : an international journal of animal bioscience , Volume: 18 Issue: 9 2024 Sep**

**Authors Sandrini S,Perricone V,Cremonei P,Castiglioni B,Biscarini F,Verdile N,Brevini T,Comi M,Jiang X,Agazzi A**

**Alginic Oligosaccharides Enhance Antioxidant Status and Intestinal Health by Modulating the Gut Microbiota in Weaned Piglets.**

**International journal of molecular sciences , Volume: 25 Issue: 15 2024 Jul 23**

**Authors Liu M,Deng X,Zhao Y,Everaert N,Zhang H,Xia B,Schroyen M**

**Effects of bacteriocin-producing Lactiplantibacillus plantarum on bacterial community and fermentation profile of whole-plant corn silage and its in vitro ruminal fermentation, microbiota, and CH(4) emissions.**

**Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 7**

**Authors Li Z,Usman S,Zhang J,Zhang Y,Su R,Chen H,Li Q,Jia M,Amole TA,Guo X**

**Postbiotics from Saccharomyces cerevisiae fermentation stabilize microbiota in rumen liquid digesta during grain-based subacute ruminal acidosis (SARA) in lactating dairy cows.**

**Journal of animal science and biotechnology , Volume: 15 Issue: 1 2024 Aug 1**

**Authors Guo J,Zhang Z,Guan LL,Yoon I,Plaizier JC,Khafipour E**

**High-salt diet induces microbiome dysregulation, neuroinflammation and anxiety in the chronic period after mild repetitive closed head injury in adolescent mice.**

**Brain communications , Volume: 6 Issue: 4 2024**

**Authors Izzy S,Yahya T,Albastaki O,Cao T,Schwerdtfeger LA,Abou-El-Hassan H,Chopra K,Ekwudo MN,Kurdeikaite U,Verissimo IM,LeServe DS,Lanser TB,Aronchik M,Oliveira MG,Moreira T,Rezende RM,El Khoury J,Cox LM,Weiner HL,Zafonte R,Whalen MJ**

**Enhancing gut microbiota and microbial function with inulin supplementation in children with obesity.**

**International journal of obesity (2005) , 2024 Jul 20**

**Authors Visuthranukul C,Sriswasdi S,Tepaamorndech S,Chamni S,Leelahanichkul A,Joyjinda Y,Aksornkitti V,Chomtho S**

A ginseng polysaccharide protects intestinal barrier integrity in high-fat diet-fed obese mice.

**International journal of biological macromolecules** , Volume: 277 Issue: Pt 1 2024 Oct

Authors Gao Y,Guo M,Chen J,Sun Y,Wang M

Effects of Lactiplantibacillus plantarum CCFM1214 and Lactobacillus salivarius CCFM1215 on halitosis: a double-blind, randomized controlled trial.

**Food & function** , 2024 Jul 19

Authors Ding L,Wang Y,Jiang Z,Tang X,Mao B,Zhao J,Chen W,Zhang Q,Cui S

Modulation of Human Gut Microbiota In Vitro by Inulin-Type Fructan from Codonopsis pilosula Roots.

**Indian journal of microbiology** , Volume: 64 Issue: 2 2024 Jun

Authors Li J,Cao L,Ji J,Shen M,Gao J

Microencapsulated Lactobacillus plantarum promotes intestinal development through gut colonization of layer chicks.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 18 2024 Sep

Authors Cui Y,Liu Y,Yang J,Duan H,Wang P,Guo L,Guo Y,Li S,Zhao Y,Wang J,Qi G,Guan J

Modulation of human gut microbiota by linear and branched fructooligosaccharides in an in vitro colon model (TIM-2).

**Journal of applied microbiology** , Volume: 135 Issue: 7 2024 Jul 2

Authors Popov IV,Koopmans B,Venema K

Impact of high-salt diet in health and diseases and its role in pursuit of cancer immunotherapy by modulating gut microbiome.

**Journal of family medicine and primary care** , Volume: 13 Issue: 5 2024 May

Authors Balan Y,Sundaramurthy R,Gaur A,Varatharajan S,Raj GM

Machine Learning Metabolomics Profiling of Dietary Interventions from a Six-Week Randomised Trial.

**Metabolites** , Volume: 14 Issue: 6 2024 May 29

Authors Kouraki A,Nogal A,Nocun W,Louca P,Vijay A,Wong K,Michelotti GA,Menni C,Valdes AM

Lactobacillus plantarum-Derived Extracellular Vesicles Modulate Macrophage Polarization and Gut Homeostasis for Alleviating Ulcerative Colitis.

**Journal of agricultural and food chemistry** , Volume: 72 Issue: 26 2024 Jul 3

Authors Chen Q,Fang Z,Yang Z,Xu X,Yang M,Hou H,Li Z,Chen Y,Gong A

Prebiotic galactooligosaccharide improves piglet growth performance and intestinal health associated with alterations of the hindgut microbiota during the peri-weaning period.

**Journal of animal science and biotechnology** , Volume: 15 Issue: 1 2024 Jun 13

Authors Boston TE,Wang F,Lin X,Kim SW,Fellner V,Scott MF,Ziegler AL,Van Landeghem L,Blikslager AT,Odle J

Bacillus coagulans and Clostridium butyricum synergistically alleviate depression in a chronic unpredictable mild stress mouse model through altering gut microbiota and prefrontal cortex gene expression.

**Frontiers in pharmacology** , Volume: 15 2024

Authors Xu J,Zhou L,Chen Z,Wang Y,Xu F,Kuang Q,Zhang Y,Zheng H

A host-microbial metabolite interaction gut-on-a-chip model of the adult human intestine demonstrates beneficial effects upon inulin treatment of gut microbiome.

**Microbiome research reports** , Volume: 3 Issue: 2 2024

Authors Donkers JM,Wiese M,van den Broek TJ,Wierenga E,Agamennone V,Schuren F,van de Steeg E

Intervention with fructooligosaccharides, Saccharomyces boulardii, and their combination in a colitis mouse model.

**Frontiers in microbiology** , Volume: 15 2024

Authors Wu Y,Fu H,Xu X,Jin H,Kao QJ,Teng WL,Wang B,Zhao G,Pi XE

Probiotics combined with atorvastatin administration in the treatment of hyperlipidemia: A randomized, double-blind, placebo-controlled clinical trial.

**Medicine** , Volume: 103 Issue: 21 2024 May 24

Authors Tian Y,Wu G,Zhao X,Zhang H,Ren M,Song X,Chang H,Jing Z

Maternal or post-weaning dietary fructo-oligosaccharide supplementation reduces stillbirth rate of sows and diarrhea of weaned piglets.

**Animal nutrition (Zhongguo xu mu shou yi xue hui)** , Volume: 17 2024 Jun

Authors Ma K,Su B,Li F,Li J,Nie J,Xiong W,Luo J,Huang S,Zhou T,Liang X,Li F,Deng J,Tan C

Effects of fructooligosaccharides and Saccharomyces boulardii on the compositional structure and metabolism of gut microbiota in students.

**Microbiological research** , Volume: 285 2024 Aug

Authors Fu H,Chen Z,Teng W,Du Z,Zhang Y,Ye X,Yu Z,Zhang Y,Pi X

Mechanisms of epigallocatechin gallate (EGCG) in ameliorating hyperuricemia: insights into gut microbiota and intestinal function in a mouse model.

**Food & function** , Volume: 15 Issue: 11 2024 Jun 4

Authors Yu H,Lou Z,Wu T,Wan X,Huang H,Wu Y,Li B,Tu Y,He P,Liu J

Inulin supplementation exhibits increased muscle mass via gut-muscle axis in children with obesity: double evidence from clinical and in vitro studies.

**Scientific reports , Volume: 14 Issue: 1 2024 May 16**

**Authors Visuthranukul C,Leelahanichkul A,Tepaamornde S,Chamni S,Mekangkul E,Chomtho S**

Effects of garlic-derived fructan and oligofructose mixtures on intestinal health and constipation relief in mice.

**Journal of the science of food and agriculture , Volume: 104 Issue: 12 2024 Sep**

**Authors Xie C,Gao W,Liang X,Che F Y**

Ameliorative effect of total ginsenosides from heat-treated fresh ginseng against cyclophosphamide-induced liver injury in mice.

**Current research in food science , Volume: 8 2024**

**Authors Tang P,Ren G,Zou H,Liu S,Zhang J,Ai Z,Hu Y,Cui L,Nan B,Zhang Z,Wang Y**

Ginseng polysaccharide components attenuate obesity and liver lipid accumulation by regulating fecal microbiota and hepatic lysine degradation.

**International journal of biological macromolecules , Volume: 269 Issue: Pt 1 2024 Jun**

**Authors Liu Q,Zhang Z,Ji P,Liu J,Chen B,E M,Qi H,Hou T,Huang Q,Ding L,Guo C,Zhao D,Yang W,Wang Z,Li X**

Inulin has a beneficial effect by modulating the intestinal microbiome in a BALB/c mouse model.

**Beneficial microbes , Volume: 14 Issue: 4 2023 Sep 1**

**Authors Zhu Z,Hu C,Liu Y,Wang F,Zhu B**

Intake of compound probiotics accelerates the construction of immune function and gut microbiome in Holstein calves.

**Microbiology spectrum , Volume: 12 Issue: 6 2024 Jun 4**

**Authors Cai X,Yi P,Chen X,Wu J,Lan G,Li S,Luo S,Huang F,Huang J,Shen P**

Endurance exercise associated with a fructooligosaccharide diet modulates gut microbiota and increases colon absorptive area.

**Journal of gastroenterology and hepatology , Volume: 39 Issue: 6 2024 Jun**

**Authors Moura F,Romeiro C,Petriz B,Cavichioli N,Almeida JA,Castro A,Franco OL**

The Human Gut and Dietary Salt: The Bacteroides/Prevotella Ratio as a Potential Marker of Sodium Intake and Beyond.

**Nutrients , Volume: 16 Issue: 7 2024 Mar 25**

**Authors Fagunwa O,Davies K,Bradbury J**

Bacillus coagulans regulates gut microbiota and ameliorates the alcoholic-associated liver disease in mice.

**Frontiers in microbiology , Volume: 15 2024**

**Authors Liu Z,Liu T,Zhang Z,Fan Y**

Effects of Bacillus coagulans TBC169 on gut microbiota and metabolites in gynecological laparoscopy patients.

**Frontiers in microbiology , Volume: 15 2024**

**Authors Gao W,Yan Y,Guan Z,Zhang J,Chen W**

Effect of inulin, galacto-oligosaccharides, and polyphenols on the gut microbiota, with a focus on Akkermansia muciniphila.

**Food & function , Volume: 15 Issue: 9 2024 May 7**

**Authors Tian R,Yu L,Tian F,Zhao J,Chen W,Zhai Q**

Effects of inulin on fecal microbiota and specific immunity in cats.

**Research in veterinary science , Volume: 172 2024 Jun**

**Authors Liang SK,Wang JQ,Han B**

Dose-Responsive Effects of Iron Supplementation on the Gut Microbiota in Middle-Aged Women.

**Nutrients , Volume: 16 Issue: 6 2024 Mar 10**

**Authors Shearer J,Shah S,MacInnis MJ,Shen-Tu G,Mu C**

Inulin protects against the harmful effects of dietary emulsifiers on mice gut microbiome.

**PeerJ , Volume: 12 2024**

**Authors Bekar C,Ozmen O,Ozkul C,Ayaz A**

Fructo-oligosaccharide supplementation enhances the growth of nursing dairy calves while stimulating the persistence of Bifidobacterium and hindgut microbiome's maturation.

**Journal of dairy science , Volume: 107 Issue: 8 2024 Aug**

**Authors Gao Y,Zhang W,Zhang T,Yu Y,Mao S,Liu J**

Effect of Lactobacillus plantarum BFS1243 on a female frailty model induced by fecal microbiota transplantation in germ-free mice.

**Food & function , 2024 Mar 22**

**Authors Dong S,Zeng Q,He W,Cheng W,Zhang L,Zhong R,He W,Fang X,Wei H**

Bacillus coagulans TCI711 Supplementation Improved Nonalcoholic Fatty Liver by Modulating Gut Microbiota: A Randomized, Placebo-Controlled, Clinical Trial.

**Current developments in nutrition , Volume: 8 Issue: 3 2024 Mar**

**Authors Hsieh RH,Chien YJ,Lan WY,Lin YK,Lin YH,Chiang CF,Yang MT**

Anti-inflammatory probiotics HF05 and HF06 synergistically alleviate ulcerative colitis and secondary liver injury.

**Food & function , Volume: 15 Issue: 7 2024 Apr 2**

**Authors Liu C,Qi X,Liu X,Sun Y,Mao K,Shen G,Ma Y,Li Q**

Prebiotic inulin ameliorates SARS-CoV-2 infection in hamsters by modulating the gut microbiome.

**NPJ science of food , Volume: 8 Issue: 1 2024 Mar 14**

**Authors Song I,Yang J,Saito M,Hartanto T,Nakayama Y,Ichinohe T,Fukuda S**

Targeting Gut Microbiome With Prebiotic in Patients With CKD: The TarGut-CKD Study.

**Kidney international reports , Volume: 9 Issue: 3 2024 Mar**

**Authors Sohn MB,Gao B,Kendrick C,Srivastava A,Isakova T,Gassman JJ,Fried LF,Wolf M,Cheung AK,Raphael KL,Vinales PC,Middleton JP,Pabalan A,Raj DS,Pilot Studies in CKD Consortium**

Screening competition and cross-feeding interactions during utilization of human milk oligosaccharides by gut microbes.

**Microbiome research reports , Volume: 3 Issue: 1 2024**

**Authors Díaz R,Garrido D**

The Effect of Oral Iron Supplementation/Fortification on the Gut Microbiota in Infancy: A Systematic Review and Meta-Analysis.

**Children (Basel, Switzerland) , Volume: 11 Issue: 2 2024 Feb 10**

**Authors Karamantziani T,Pouliakis A,Xanthos T,Ekmektzoglou K,Paliatsiou S,Sokou R,Iacovidou N**

Inulin alters gut microbiota to alleviate post-stroke depressive-like behavior associated with the IGF-1-mediated MAPK signaling pathway.

**Brain and behavior , Volume: 14 Issue: 1 2024 Jan**

**Authors Shao R,Tan X,Pan M,Huang J,Huang L,Bi B,Huang X,Wang J,Li X**

Effect of Lacticaseibacillus paracasei K56 with galactooligosaccharide synbiotics on obese individuals: an in vitro fermentation model.

**Journal of the science of food and agriculture , Volume: 104 Issue: 9 2024 Jul**

**Authors Zhang Q,Zhao W,He J,He J,Shi S,Sun M,Niu X,Zeng Z,Zhao Y,Zhang Y,Wang P,Li Y,Zhang C,Duan S,Hung WL,Wang R**

The pharmaceutical effect of Korean wild ginseng residue extract on the performance, microbiota quality, cytokine expression, and the ginseng saponin content of laying hen.

**Poultry science , Volume: 103 Issue: 3 2024 Mar**

**Authors Tajudeen H,Ha S,Hosseindoust A,Mun J,Park S,Su CP,Kinara E,Kim J**

The antioxidant strain Lactiplantibacillus plantarum AS21 and Clostridium butyricum ameliorate DSS-induced colitis in mice by remodeling the assembly of intestinal microbiota and improving gut functions.

**Food & function , Volume: 15 Issue: 4 2024 Feb 19**

**Authors Li W,Zhang Y,Chen M,Guo X,Ding Z**

Enhancing immune response, antioxidant capacity, and gut health in growing beagles through a chitooligosaccharide diet.

**Frontiers in veterinary science , Volume: 10 2023**

**Authors Cheng G,Hu T,Zeng Y,Yan L,Liu Y,Wang Y,Xia J,Dong H,Chen D,Cheng T,Peng G,Zhang L**

Lactobacillus plantarum attenuates glucocorticoid-induced osteoporosis by altering the composition of rat gut microbiota and serum metabolic profile.

**Frontiers in immunology , Volume: 14 2023**

**Authors Li S,Han X,Liu N,Chang J,Liu G,Hu S**

The Effect of Lactobacillus plantarum on the Fecal Microbiota, Short Chain Fatty Acids, Odorous Substances, and Blood Biochemical Indices of Cats.

**Microorganisms , Volume: 12 Issue: 1 2024 Jan 2**

**Authors Han B,Liang S,Sun J,Tao H,Wang Z,Liu B,Wang X,Liu J,Wang J**

Mechanism of Iron Ion Homeostasis in Intestinal Immunity and Gut Microbiota Remodeling.

**International journal of molecular sciences , Volume: 25 Issue: 2 2024 Jan 5**

**Authors Bao H,Wang Y,Xiong H,Xia Y,Cui Z,Liu L**

Polysaccharide from Panax japonicus C.A. Mey prevents non-alcoholic fatty liver disease development based on regulating liver metabolism and gut microbiota in mice.

**International journal of biological macromolecules , Volume: 260 Issue: Pt 1 2024 Mar**

**Authors Wu Y,Yin W,Hao P,Chen Y,Yu L,Yu X,Wu Y,Li X,Wang W,Zhou H,Yuan Y,Quan X,Yu Y,Hu B,Chen S,Zhou Z,Sun W**

Lactiplantibacillus plantarum O6C02 upregulates intestinal ZO-1 protein and bile acid metabolism in Balb/c mice fed high-fat diet.

**Bioscience of microbiota, food and health , Volume: 43 Issue: 1 2024**

**Authors Yamasaki M,Miyamoto Y,Ogawa K,Nishiyama K,Tsend-Ayush C,Li Y,Matsusaki T,Nakano T,Takeshita M,Arima Y**

Integrated gut microbiome and metabolome analysis reveals the inhibition effect of Lactobacillus plantarum CBT against colorectal cancer.

**Food & function , Volume: 15 Issue: 2 2024 Jan 22**

**Authors Chen YY,Fei F,Ding LL,Wen SY,Ren CF,Gong AH**

Identification of inulin-responsive bacteria in the gut microbiota via multi-modal activity-based sorting.

**Nature communications , Volume: 14 Issue: 1 2023 Dec 14**

**Authors Riva A,Rasoulinehhabani H,Cruz-Rubio JM,Schnorr SL,von Baeckmann C,Inan D,Nikolov G,Herbold CW,Hausmann B,Pjevac P,Schintlmeister A,Spittler A,Palatinszky M,Kadunic A,Hieger N,Del Favero G,von Bergen M,Jehmlich N,Watzka M,Lee KS,Wiesenbauer J,Khadem S,Viernstein H,Stocker R,Wagner M,Kaiser C,Richter A,Kleitz F,Berry D**

Bacillus coagulans prevents the decline in average daily feed intake in young piglets infected with enterotoxigenic Escherichia coli K88 by reducing intestinal injury and regulating the gut microbiota.

**Frontiers in cellular and infection microbiology , Volume: 13 2023**

**Authors Zhang Y,Tian X,Dong Y,Li R,Shen M,Yi D,Wu T,Wang L,Zhao D,Hou Y**

Effects of Dietary Bacillus coagulans and Tributyrin on Growth Performance, Serum Antioxidants, Intestinal Morphology, and Cecal Microbiota of Growing Yellow-Feathered Broilers.

**Animals : an open access journal from MDPI , Volume: 13 Issue: 22 2023 Nov 15**

**Authors Hou J,Lian L,Lu L,Gu T,Zeng T,Chen L,Xu W,Li G,Wu H,Tian Y**

Gut microbiome supplementation as therapy for metabolic syndrome.

**World journal of diabetes , Volume: 14 Issue: 10 2023 Oct 15**

**Authors Antony MA,Chowdhury A,Edem D,Raj R,Nain P,Joglekar M,Verma V,Kant R**

Inulin prebiotic ameliorates type 1 diabetes dictating regulatory T cell homing via CCR4 to pancreatic islets and butyrogenic gut microbiota in murine model.

**Journal of leukocyte biology , Volume: 115 Issue: 3 2024 Feb 23**

**Authors Guimarães JB,Rodrigues VF,Pereira ÍS,Manso GMDC,Elias-Oliveira J,Leite JA,Waldetario MCGM,de Oliveira S,Gomes ABDSF,Faria AMC,Ramos SG,Bonato VLD,Silva JS,Vinolo MAR,Sampaio UM,Clerici MTPS,Carlos D**

Utilization of diverse oligosaccharides for growth by Bifidobacterium and Lactobacillus species and their in vitro co-cultivation characteristics.

**International microbiology : the official journal of the Spanish Society for Microbiology , 2023 Nov 9**

**Authors Dong Y,Han M,Fei T,Liu H,Gai Z**

Antitumor effect of exopolysaccharide from Lactiplantibacillus plantarum WLPL09 on melanoma mice via regulating immunity and gut microbiota.

**International journal of biological macromolecules , Volume: 254 Issue: Pt 1 2023 Oct 31**

**Authors Wang Q,Jiang B,Wei M,He Y,Wang Y,Zhang Q,Wei H,Tao X**

Spices as Sustainable Food Preservatives: A Comprehensive Review of Their Antimicrobial Potential.

**Pharmaceuticals (Basel, Switzerland) , Volume: 16 Issue: 10 2023 Oct 12**

**Authors Sulieman AME,Abdallah EM,Alanazi NA,Ed-Dra A,Jamal A,Idriss H,Alshammari AS,Shommo SAM**

Are We Ready to Recommend Capsaicin for Disorders Other Than Neuropathic Pain?

**Nutrients , Volume: 15 Issue: 20 2023 Oct 21**

**Authors Silva JL,Santos EA,Alvarez-Leite JI**

Pectic oligosaccharides ameliorate high-fat diet-induced obesity and hepatic steatosis in association with modulating gut microbiota in mice.

**Food & function , Volume: 14 Issue: 21 2023 Oct 30**

**Authors Yu S,Wang H,Cui L,Wang J,Zhang Z,Wu Z,Lin X,He N,Zou Y,Li S**

Bifidobacteria metabolize lactulose to optimize gut metabolites and prevent systemic infection in patients with liver disease.

**Nature microbiology , Volume: 8 Issue: 11 2023 Nov**

**Authors Odenwald MA,Lin H,Lehmann C,Dylla NP,Cole CG,Mostad JD,Pappas TE,Ramaswamy R,Moran A,Hutchison AL,Stutz MR,Dela Cruz M,Adler E,Boissiere J,Khalid M,Cantoral J,Haro F,Oliveira RA,Waliński E,Cotter TG,Light SH,Beavis KG,Sundararajan A,Sidebottom AM,Reddy KG,Paul S,Pillai A,Te HS,Rinella ME,Charlton MR,Pamer EG,Aronsohn AI**

Regulatory effect of lactulose on intestinal flora and serum metabolites in colitis mice: In vitro and in vivo evaluation.

**Food chemistry: X , Volume: 19 2023 Oct 30**

**Authors Bai J,Wang B,Tan X,Huang L,Xiong S**

Combined oral intake of short and long fructans alters the gut microbiota in food allergy model mice and contributes to food allergy prevention.

**BMC microbiology , Volume: 23 Issue: 1 2023 Sep 22**

**Authors Takahashi H,Fujii T,Yamakawa S,Yamada C,Fujiki K,Kondo N,Funasaka K,Hirooka Y,Tochio T**

Mannan oligosaccharides selenium ameliorates intestinal mucosal barrier, and regulate intestinal microbiota to prevent Enterotoxigenic Escherichia coli -induced diarrhea in weaned piglets.

**Ecotoxicology and environmental safety , Volume: 264 2023 Oct 1**

**Authors Zha A,Tu R,Qi M,Wang J,Tan B,Liao P,Wu C,Yin Y**

The effects of Ascophyllum nodosum, Camellia sinensis-leaf extract, and their joint interventions on glycolipid and energy metabolism in obese mice.

**Frontiers in nutrition , Volume: 10 2023**

Authors Xu Y,Jia X,Zhang W,Xie Q,Zhu M,Zhao Z,Hao J,Li H,Du J,Liu Y,Feng H,He J,Li H

Positive efficacy of Lactiplantibacillus plantarum MH-301 as a postoperative adjunct to endoscopic sclerotherapy for internal hemorrhoids: a randomized, double-blind, placebo-controlled trial.

**Food & function , 2023 Sep 1**

Authors Zhang K,Liu H,Liu P,Feng Q,Gan L,Yao L,Huang G,Fang Z,Chen T,Fang N

Immunomodulatory effects of inulin and its intestinal metabolites.

**Frontiers in immunology , Volume: 14 2023**

Authors Sheng W,Ji G,Zhang L

Probiotic yeast *Saccharomyces cerevisiae* Az-12 isolated from pomegranate juice presented inhibitory effects against pathogenic bacteria.

**Brazilian journal of biology = Revista brasileira de biologia , Volume: 83 2023**

Authors Latif AS,Saparbekova AA,Akhmedova ZR,Kaldybekova G,Daugaliyeva ST

*Bacillus coagulans* MZY531 alleviates intestinal mucosal injury in immunosuppressive mice via modulating intestinal barrier, inflammatory response, and gut microbiota.

**Scientific reports , Volume: 13 Issue: 1 2023 Jul 10**

Authors Zhao Z,Sun M,Cui X,Chen J,Liu C,Zhang X

Dietary Prebiotic Oligosaccharides and Arachidonate Alter the Fecal Microbiota and Mucosal Lipid Composition of Suckling Pigs.

**The Journal of nutrition , 2023 Jun 20**

Authors Eudy BJ,Odle J,Lin X,Maltecca C,Walter KR,McNulty NP,Fellner V,Jacobi SK

Probiotic modulation of gut microbiota by *Bacillus coagulans* MTCC 5856 in healthy subjects: A randomized, double-blind, placebo-control study.

**Medicine , Volume: 102 Issue: 20 2023 May 19**

Authors Majeed M,Nagabhushanam K,Mundkur L,Paulose S,Divakar H,Rao S,Arumugam S

*Bacillus coagulans* (Weizmannia coagulans) XY2 attenuates Cu-induced oxidative stress via DAF-16/FoxO and SKN-1/Nrf2 pathways and gut microbiota regulation.

**Journal of hazardous materials , Volume: 457 2023 Sep 5**

Authors Gao Y,Yu T,Wu Y,Huang X,Teng J,Zhao N,Zheng X,Yan F

Comparison of the Effects of Enzymolysis Seaweed Powder and *Saccharomyces boulardii* on Intestinal Health and Microbiota Composition in Kittens.

**Metabolites , Volume: 13 Issue: 5 2023 May 8**

Authors Zhang M,Mo R,Li M,Qu Y,Wang H,Liu T,Liu P,Wu Y

Supplementation with inulin-type fructans affects gut microbiota and attenuates some of the cardiometabolic benefits of a plant-based diet in individuals with overweight or obesity.

**Frontiers in nutrition , Volume: 10 2023**

Authors Aldubayan MA,Mao X,Laursen MF,Pigsborg K,Christensen LH,Roager HM,Nielsen DS,Hjorth MF,Magkos F

Lactulose regulates gut microbiota dysbiosis and promotes short-chain fatty acids production in acute pancreatitis patients with intestinal dysfunction.

**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 163 2023 Jul**

Authors Wang J,Jiang M,Hu Y,Lei Y,Zhu Y,Xiong H,He C

Prevention of High-Fat-Diet-Induced Dyslipidemia by *Lactobacillus plantarum* LP104 through Mediating Bile Acid Enterohepatic Axis Circulation and Intestinal Flora.

**Journal of agricultural and food chemistry , Volume: 71 Issue: 19 2023 May 17**

Authors Wang Y,Xing X,Ma Y,Fan Y,Zhang Y,Nan B,Li X,Wang Y,Liu J

*Lactobacillus plantarum* CCFM405 against Rotenone-Induced Parkinson's Disease Mice via Regulating Gut Microbiota and Branched-Chain Amino Acids Biosynthesis.

**Nutrients , Volume: 15 Issue: 7 2023 Apr 1**

Authors Chu C,Yu L,Li Y,Guo H,Zhai Q,Chen W,Tian F

Neuroprotective Effects of *Lactobacillus plantarum* PS128 in a Mouse Model of Parkinson's Disease: The Role of Gut Microbiota and MicroRNAs.

**International journal of molecular sciences , Volume: 24 Issue: 7 2023 Apr 5**

Authors Lee YZ,Cheng SH,Chang MY,Lin YF,Wu CC,Tsai YC

Psychobiotic *Lactobacillus plantarum* JYLP-326 relieves anxiety, depression, and insomnia symptoms in test anxious college via modulating the gut microbiota and its metabolism.

**Frontiers in immunology , Volume: 14 2023**

Authors Zhu R,Fang Y,Li H,Liu Y,Wei J,Zhang S,Wang L,Fan R,Wang L,Li S,Chen T

Effects of an inulin fiber diet on the gut microbiome, colon, and inflammatory biomarkers in aged mice.

**Experimental gerontology , Volume: 176 2023 Jun 1**

Authors Hutchinson NT,Wang SS,Rund LA,Caetano-Silva ME,Allen JM,Johnson RW,Woods JA

Lactobacillus plantarum ZJ316 alleviates ulcerative colitis by inhibiting inflammation and regulating short-chain fatty acid levels and the gut microbiota in a mouse model.

**Food & function , Volume: 14 Issue: 9 2023 May 11**

Authors Gu Q,Xia C,Liu N,Chen Z,Zhou Q,Li P

Intestinal microbial composition changes induced by Lactobacillus plantarum GBL 16, 17 fermented feed and intestinal immune homeostasis regulation in pigs.

**Journal of animal science and technology , Volume: 64 Issue: 6 2022 Nov**

Authors Yu DY,Oh SH,Kim IS,Kim GI,Kim JA,Moon YS,Jang JC,Lee SS,Jung JH,Park J,Cho KK

The Dietary Fermentable Fiber Inulin Alters the Intestinal Microbiome and Improves Chronic Kidney Disease Mineral-Bone Disorder in a Rat Model of CKD.

**bioRxiv : the preprint server for biology , 2023 Jan 31**

Authors Biruete A,Chen NX,Metzger CE,Srinivasan S,Oâ Neill K,Fallen PB,Fonseca A,Wilson HE,de Loor H,Evenepoel P,Swanson KS,Allen MR,Moe SM

Inulin supplementation prior to mild traumatic brain injury mitigates gut dysbiosis, and brain vascular and white matter deficits in mice.

**Frontiers in microbiomes , Volume: 1 2022**

Authors Yanckello LM,Chang YH,Sun M,Chlipala G,Green SJ,Lei Z,Ericsson AC,Xing X,Hammond TC,Bachstetter AD,Lin AL

A diet enriched in omega-3 PUFA and inulin prevents type 1 diabetes by restoring gut barrier integrity and immune homeostasis in NOD mice.

**Frontiers in immunology , Volume: 13 2022**

Authors Lo Conte M,antonini Cencicchio M,Ulaszewska M,Nobili A,Cosorich I,Ferrarese R,Massimino L,Andolfo A,Ungaro F,Mancini N,Falcone M

Fructooligosaccharides (FOS) differentially modifies the in vitro gut microbiota in an age-dependent manner.

**Frontiers in nutrition , Volume: 9 2022**

Authors Mahalak KK,Firrman J,Narrows AB,Hu W,Jones SM,Bittinger K,Moustafa AM,Liu L

Lactobacillus plantarum ZJUIDS14 alleviates non-alcoholic fatty liver disease in mice in association with modulation in the gut microbiota.

**Frontiers in nutrition , Volume: 9 2022**

Authors Cao F,Ding Q,Zhuge H,Lai S,Chang K,Le C,Yang G,Valencak TG,Li S,Ren D

The high dose of inulin exacerbated food allergy through the excess accumulation of short-chain fatty acids in a BABL/c mouse model.

**International journal of biological macromolecules , Volume: 230 2023 Mar 1**

Authors Xie Q,Mu K,Chen C,Gu S,Luo D,Fu W,Xue W

Ascophyllum nodosum polysaccharide regulates gut microbiota metabolites to protect against colonic inflammation in mice.

**Food & function , Volume: 14 Issue: 2 2023 Jan 23**

Authors Wang L,Yan C,Wang L,Ai C,Wang S,Shen C,Tong Y,Song S

Inulin intervention attenuates hepatic steatosis in rats via modulating gut microbiota and maintaining intestinal barrier function.

**Food research international (Ottawa, Ont.) , Volume: 163 2023 Jan**

Authors Yang Z,Su H,Lv Y,Tao H,Jiang Y,Ni Z,Peng L,Chen X

Effects of a Saccharomyces cerevisiae fermentation product on fecal characteristics, metabolite concentrations, and microbiota populations of dogs subjected to exercise challenge.

**Journal of animal science , 2022 Dec 27**

Authors Oba PM,Carroll MQ,Sieja KM,Nogueira JPS,Yang X,Epp TY,Warzecha CM,Varney JL,Fowler JW,Coon CN,Swanson KS

Dietary Capsaicin: A Spicy Way to Improve Cardio-Metabolic Health?

**Biomolecules , Volume: 12 Issue: 12 2022 Nov 29**

Authors Szallasi A

Effects of Omega-3-Rich Pork Lard on Serum Lipid Profile and Gut Microbiome in C57BL/6NJ Mice.

**International journal of food science , Volume: 2022 2022**

Authors Koontanatechanon A,Wongphatcharachai M,Nonthabenjawan N,Jariyahatthakij P,Khorporn T,Parnsen W,Keattisin B,Leksrisompong P,Srichana P,Prasopdee S,Roytrakul S,Sriyakul K,Thitapakorn V,Pawa KK

Assessment of the Gut Microbiota during Juice Fasting with and without Inulin Supplementation: A Feasibility Study in Healthy Volunteers.

**Foods (Basel, Switzerland) , Volume: 11 Issue: 22 2022 Nov 16**

Authors Thriene K,Stanislas V,Amend L,Strowig T,Michels KB

Investigation of Immunostimulatory Effects of Heat-Treated Lactiplantibacillus plantarum LM1004 and Its Underlying

Molecular Mechanism.**Food science of animal resources , Volume: 42 Issue: 6 2022 Nov**

Authors Bae WY,Jung WH,Shin SL,Kwon S,Sohn M,Kim TR

Long-Term Lactulose Administration Improves Dysbiosis Induced by Antibiotic and C. difficile in the PathoGut(TM) SHIME Model.**Antibiotics (Basel, Switzerland) , Volume: 11 Issue: 11 2022 Oct 24**

Authors Calatayud M,Duysburgh C,Van den Abbeele P,Franckenstein D,Kuchina-Koch A,Marzorati M

Molecular actions of different functional oligosaccharides on intestinal integrity, immune function and microbial community in weanling pigs.**Food & function , Volume: 13 Issue: 23 2022 Nov 28**

Authors Gao H,Sun F,Lin G,Guo Y,Zhao J

Jerusalem artichoke inulin supplementation ameliorates hepatic lipid metabolism in type 2 diabetes mellitus mice by modulating the gut microbiota and fecal metabolome.**Food & function , Volume: 13 Issue: 22 2022 Nov 14**

Authors Li J,Jia S,Yuan C,Yu B,Zhang Z,Zhao M,Liu P,Li X,Cui B

Effects of iron deficiency and iron supplementation at the host-microbiota interface: Could a piglet model unravel complexities of the underlying mechanisms?**Frontiers in nutrition , Volume: 9 2022**

Authors Abbas M,Hayirli Z,Drakesmith H,Andrews SC,Lewis MC

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF-?B pathway mediated by gut microbiota disturbance in obese dogs.**Research in veterinary science , Volume: 152 2022 Dec 20**

Authors Lu J,Zhu D,Lu J,Liu J,Wu Z,Liu L

Oral administration of Lactobacillus plantarum JC7 alleviates OVA-induced murine food allergy through immunoregulation and restoring disordered intestinal microbiota.**European journal of nutrition , Volume: 62 Issue: 2 2023 Mar**

Authors Duan C,Ma L,Yu J,Sun Y,Liu L,Ma F,Li X,Li D

The potential role of lactulose pharmacotherapy in the treatment and prevention of diabetes.**Frontiers in endocrinology , Volume: 13 2022**

Authors Chu N,Ling J,Jie H,Leung K,Poon E

Lactobacillus plantarum ST-III modulates abnormal behavior and gut microbiota in a mouse model of autism spectrum disorder.**Physiology & behavior , Volume: 257 2022 Dec 1**

Authors Guo M,Li R,Wang Y,Ma S,Zhang Y,Li S,Zhang H,Liu Z,You C,Zheng H

Detection of indigenous gut bacteria related to red chilli pepper (*Capsicum annuum*) in murine caecum and human faecal cultures.**Molecular biology reports , Volume: 49 Issue: 11 2022 Nov**

Authors Xia Y,Lee G,Yamamoto M,Takahashi H,Kuda T

Effect of a diet rich in galactose or fructose, with or without fructooligosaccharides, on gut microbiota composition in rats.**Frontiers in nutrition , Volume: 9 2022**

Authors Mhd Omar NA,Dicksved J,Kruger J,Zamaratskaia G,Micha?sson K,Wolk A,Frank J,Landberg R

Different effects of *Bacillus coagulans* vegetative cells and spore isolates on constipation-induced gut microbiota dysbiosis in mice.**Food & function , Volume: 13 Issue: 18 2022 Sep 22**

Authors Li L,Liu B,Cao J,Zhang H,Tian F,Yu L,Chen W,Zhai Q

Effect of Fructooligosaccharides Supplementation on the Gut Microbiota in Human: A Systematic Review and Meta-Analysis.**Nutrients , Volume: 14 Issue: 16 2022 Aug 12**

Authors Dou Y,Yu X,Luo Y,Chen B,Ma D,Zhu J

Regulation of a High-Iron Diet on Lipid Metabolism and Gut Microbiota in Mice.**Animals : an open access journal from MDPI , Volume: 12 Issue: 16 2022 Aug 13**

Authors Xiong Q,Zhao J,Tian C,Ma W,Miao L,Liang L,Zhang K,Du H

*Bacillus coagulans* in Combination with Chitooligosaccharides Regulates Gut Microbiota and Ameliorates the DSS-Induced Colitis in Mice.**Microbiology spectrum , Volume: 10 Issue: 4 2022 Aug 31**

Authors Liu Z,Jiang Z,Zhang Z,Liu T,Fan Y,Liu T,Peng N

Dysregulation of intestinal flora: excess prepackaged soluble fibers damage the mucus layer and induce intestinal inflammation.**Food & function , Volume: 13 Issue: 16 2022 Aug 15**

**Authors Chen K,Man S,Wang H,Gao C,Li X,Liu L,Wang H,Wang Y,Lu F**

Effect of chicory-derived inulin-type fructans on abundance of *Bifidobacterium* and on bowel function: a systematic review with meta-analyses.

**Critical reviews in food science and nutrition , Volume: 63 Issue: 33 2023 Nov**

**Authors Nagy DU,Sándor-Bajusz KA,Bódy B,Decsi T,Van Harsselaar J,Theis S,Lohner S**

Effects of *Lactobacillus curvatus* HY7601 and *Lactobacillus plantarum* KY1032 on Overweight and the Gut Microbiota in Humans: Randomized, Double-Blinded, Placebo-Controlled Clinical Trial.

**Nutrients , Volume: 14 Issue: 12 2022 Jun 15**

**Authors Mo SJ,Lee K,Hong HJ,Hong DK,Jung SH,Park SD,Shim JJ,Lee JL**

Effect of dietary *Bacillus coagulans* on the performance and intestinal microbiota of weaned piglets.

**Animal : an international journal of animal bioscience , Volume: 16 Issue: 7 2022 Jul**

**Authors Sun T,Miao H,Zhang C,Wang Y,Liu S,Jiao P,Li W,Li Y,Huang Z**

Saccharomyces boulardii, a yeast probiotic, inhibits gut motility through upregulating intestinal serotonin transporter and modulating gut microbiota.

**Pharmacological research , Volume: 181 2022 Jul**

**Authors Gu Y,Wang C,Qin X,Zhou B,Liu X,Liu T,Xie R,Liu J,Wang B,Cao H**

Combination of *Houttuynia cordata* polysaccharide and *Lactiplantibacillus plantarum* P101 alleviates acute liver injury by regulating gut microbiota in mice.

**Journal of the science of food and agriculture , Volume: 102 Issue: 15 2022 Dec**

**Authors Xu X,Liu S,Zhao Y,Wang M,Hu L,Li W,Xu H**

The Protective Effects of Inulin-Type Fructans Against High-Fat/Sucrose Diet-Induced Gestational Diabetes Mice in Association With Gut Microbiota Regulation.

**Frontiers in microbiology , Volume: 13 2022**

**Authors Miao M,Wang Q,Wang X,Fan C,Luan T,Yan L,Zhang Y,Zeng X,Dai Y,Li P**

In vitro evaluation of probiotic properties of lactic acid bacteria isolated from the vagina of yak (*Bos grunniens*).

**PeerJ , Volume: 10 2022**

**Authors Zhang Q,Pan Y,Wang M,Sun L,Xi Y,Li M,Zeng Q**

*Panax quinquefolius* Polysaccharides Ameliorate Antibiotic-Associated Diarrhoea Induced by Lincomycin Hydrochloride in Rats via the MAPK Signaling Pathways.

**Journal of immunology research , Volume: 2022 2022**

**Authors Ren DD,Li SS,Lin HM,Xia YS,Li ZM,Bo PP,Mu R,Zhao LJ,Sun YS**

High-Salt Diet Induces Depletion of Lactic Acid-Producing Bacteria in Murine Gut.

**Nutrients , Volume: 14 Issue: 6 2022 Mar 10**

**Authors Hamad I,Cardilli A,Côrte-Real BF,Dyczko A,Vangronsveld J,Kleinewietfeld M**

Lactulose Modulates the Structure of Gut Microbiota and Alleviates Colitis-Associated Tumorigenesis.

**Nutrients , Volume: 14 Issue: 3 2022 Feb 3**

**Authors Hiraishi K,Zhao F,Kurahara LH,Li X,Yamashita T,Hashimoto T,Matsuda Y,Sun Z,Zhang H,Hirano K**

Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients.

**Gut microbes , Volume: 14 Issue: 1 2022 Jan-Dec**

**Authors Amadieu C,Coste V,Neyrinck AM,Thijssen V,Leyrolle Q,Bindels LB,Piessevaux H,Stärkel P,de Timary P,Delzenne NM,Leclercq S**

The relationship between human milk, a functional nutrient, and microbiota.

**Critical reviews in food science and nutrition , 2021 Dec 6**

**Authors Sakarya E,Sanlier NT,Sanlier N**

Fructooligosaccharides Increase in Plasma Concentration of (-)-Epigallocatechin-3-Gallate in Rats.

**Journal of agricultural and food chemistry , Volume: 69 Issue: 49 2021 Dec 15**

**Authors Unno T,Araki Y,Inagaki S,Kobayashi M,Ichitani M,Takihara T,Kinugasa H**

*Lactobacillus plantarum* ZJUFB2 Prevents High Fat Diet-Induced Insulin Resistance in Association With Modulation of the Gut Microbiota.

**Frontiers in nutrition , Volume: 8 2021**

**Authors Zhong H,Wang J,Abdullah,Hafeez MA,Guan R,Feng F**

Red ginseng has stronger anti-aging effects compared to ginseng possibly due to its regulation of oxidative stress and the gut microbiota.

**Phytomedicine : international journal of phytotherapy and phytopharmacology , Volume: 93 2021 Dec**

**Authors Peng X,Hao M,Zhao Y,Cai Y,Chen X,Chen H,Zhang Y,Dong L,Liu X,Ding C,Liu W,Yang M,Luo Y**

Chitooligosaccharides: Digestion characterization and effect of the degree of polymerization on gut microorganisms to manage the metabolome functional diversity in vitro.

**Carbohydrate polymers , Volume: 275 2022 Jan 1**

**Authors Ji X,Zhu L,Chang K,Zhang R,Chen Y,Yin H,Jin J,Zhao L**

In Vitro Transformation of Protopanaxadiol Saponins in Human Intestinal Flora and Its Effect on Intestinal Flora.

**Evidence-based complementary and alternative medicine : eCAM , Volume: 2021 2021**

**Authors Zhang M,Wang Y,Wu Y,Li F,Han M,Dai Y,Zheng F,Yue H**

Bifidobacterium catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection.

**Gut microbes , Volume: 13 Issue: 1 2021 Jan-Dec**

**Authors Heiss BE,Ehrlich AM,Maldonado-Gomez MX,Taft DH,Larke JA,Goodson ML,Slupsky CM,Tancredi DJ,Raybould HE,Mills DA**

Supplementation with *Lactiplantibacillus plantarum* IMC 510 Modifies Microbiota Composition and Prevents Body Weight Gain Induced by Cafeteria Diet in Rats.

**International journal of molecular sciences , Volume: 22 Issue: 20 2021 Oct 16**

**Authors Micioni Di Bonaventura MV,Cornan MM,Tomassoni D,Micioni Di Bonaventura E,Botticelli L,Gabrielli MG,Rossolini GM,Di Pilato V,Cecchini C,Amedei A,Silvi S,Verdenelli MC,Cifani C**

Treatment with a spore-based probiotic containing five strains of Bacillus induced changes in the metabolic activity and community composition of the gut microbiota in a SHIME® model of the human gastrointestinal system.

**Food research international (Ottawa, Ont.) , Volume: 149 2021 Nov**

**Authors Marzorati M,Van den Abbeele P,Bubeck S,Bayne T,Krishnan K,Young A**

Prebiotic Inulin Supplementation and Peripheral Insulin Sensitivity in adults at Elevated Risk for Type 2 Diabetes: A Pilot Randomized Controlled Trial.

**Nutrients , Volume: 13 Issue: 9 2021 Sep 17**

**Authors Mitchell CM,Davy BM,Ponder MA,McMillan RP,Hughes MD,Hulver MW,Neilson AP,Davy KP**

Short-Chain Inulin Modulates the Cecal Microbiota Structure of Leptin Knockout Mice in High-Fat Diet.

**Frontiers in microbiology , Volume: 12 2021**

**Authors Feng Y,Feng J,Wang L,Meng A,Wei S,Cui J,Hu X,Yan L**

The Prebiotic Potential of Inulin-type Fructans: A Systematic Review.

**Advances in nutrition (Bethesda, Md.) , 2021 Sep 23**

**Authors Hughes RL,Alvarado DA,Swanson KS,Holscher HD**

Inulin-type prebiotics reduce serum uric acid levels via gut microbiota modulation: a randomized, controlled crossover trial in peritoneal dialysis patients.

**European journal of nutrition , Volume: 61 Issue: 2 2022 Mar**

**Authors He S,Xiong Q,Tian C,Li L,Zhao J,Lin X,Guo X,He Y,Liang W,Zuo X,Ying C**

The Protection of *Lactiplantibacillus plantarum* CCFM8661 Against Benzopyrene-Induced Toxicity via Regulation of the Gut Microbiota.

**Frontiers in immunology , Volume: 12 2021**

**Authors Yu L,Zhang L,Duan H,Zhao R,Xiao Y,Guo M,Zhao J,Zhang H,Chen W,Tian F**

A Novel Sprouted Oat Fermented Beverage: Evaluation of Safety and Health Benefits for Celiac Individuals.

**Nutrients , Volume: 13 Issue: 8 2021 Jul 23**

**Authors Aparicio-García N,Martínez-Villaluenga C,Frias J,Crespo Perez L,Fernández CF,Alba C,Rodríguez JM,Peñas E**

Dietary Inulin Regulated Gut Microbiota and Improved Neonatal Health in a Pregnant Sow Model.

**Frontiers in nutrition , Volume: 8 2021**

**Authors Li H,Ma L,Zhang L,Liu N,Li Z,Zhang F,Liu X,Ma X**

Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption.

**Frontiers in nutrition , Volume: 8 2021**

**Authors Karakan T,Tuohy KM,Janssen-van Solingen G**

Heteropolysaccharides from *S. cerevisiae* show anti-adhesive properties against *E. coli* associated with Crohn's disease.

**Carbohydrate polymers , Volume: 271 2021 Nov 1**

**Authors Sivignon A,Yu SY,Ballet N,Vandekerckove P,Barnich N,Guerardel Y**

Prebiotic fructans have greater impact on luminal microbiology and CD3+ T cells in healthy siblings than patients with Crohn's disease: A pilot study investigating the potential for primary prevention of inflammatory bowel disease.

**Clinical nutrition (Edinburgh, Scotland) , Volume: 40 Issue: 8 2021 Jun 23**

**Authors Hedin CR,McCarthy NE,Louis P,Farquharson FM,McCartney S,Stagg AJ,Lindsay JO,Whelan K**

Effects of ginseng soluble dietary fiber on serum antioxidant status, immune factor levels and cecal health in healthy rats.

**Food chemistry , Volume: 365 2021 Jul 20**

**Authors Hua M,Liu Z,Sha J,Li S,Dong L,Sun Y**

Natural capsicum extract replacing chlortetracycline enhances performance via improving digestive enzyme activities, antioxidant capacity, anti-inflammatory function, and gut health in weaned pigs.

**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 7 Issue: 2 2021 Jun**

**Authors Long S,Liu S,Wang J,Mahfuz S,Piao X**

Dietary Supplementation with Inulin Modulates the Gut Microbiota and Improves Insulin Sensitivity in Prediabetes.

**International journal of endocrinology , Volume: 2021 2021**

**Authors Wang X,Wang T,Zhang Q,Xu L,Xiao X**

Imbalanced dietary intake alters the colonic microbial profile in growing rats.

**PloS one , Volume: 16 Issue: 6 2021**

**Authors Jung TH,Han KS**

Protective effect of Bifidobacterium bifidum FSDJN705 and Bifidobacterium breve FHNFQ23M3 on diarrhea caused by enterotoxigenic Escherichia coli.

**Food & function , Volume: 12 Issue: 16 2021 Aug 21**

**Authors Yang B ,Huang Z ,He Z ,Yue Y ,Zhou Y ,Ross RP ,Stanton C ,Zhang H ,Zhao J ,Chen W**

Spore-forming Bacillus coagulans SNZ 1969 improved intestinal motility and constipation perception mediated by microbial alterations in healthy adults with mild intermittent constipation: A randomized controlled trial.

**Food research international (Ottawa, Ont.) , Volume: 146 2021 Aug**

**Authors Kang S,Park MY,Brooks I,Lee J,Kim SH,Kim JY,Oh B,Kim JW,Kwon O**

Chicken-eaters and pork-eaters have different gut microbiota and tryptophan metabolites.

**Scientific reports , Volume: 11 Issue: 1 2021Jun 7**

**Authors Shi J,Zhao D,Zhao F,Wang C,Zamaratskaia G,Li C**

Saccharomyces cerevisiae boulardii CNCM I-1079 supplementation in finishing male pigs helps to cope with heat stress through feeding behaviour and gut microbiota modulation.

**The British journal of nutrition , Volume: 127 Issue: 3 2022 Feb 14**

**Authors Labussière E,Achard C,Dubois S,Combes S,Castex M,Renaudeau D**

Bifidobacterium response to lactulose ingestion in the gut relies on a solute-binding protein-dependent ABC transporter.

**Communications biology , Volume: 4 Issue: 1 2021 May 10**

**Authors Yoshida K,Hirano R,Sakai Y,Choi M,Sakanaka M,Kurihara S,Iino H,Xiao JZ,Katayama T,Odamaki T**

Lactobacillus SpS in Reducing the Risk of Diabetes in High-Fat Diet-Induced Diabetic Mice by Modulating the Gut Microbiome and Inhibiting Key Digestive Enzymes Associated with Diabetes.

**Biology , Volume: 10 Issue: 4 2021 Apr 20**

**Authors Gulnaz A,Nadeem J,Han JH,Lew LC,Son JD,Park YH,Rather IA,Hor YY**

Effect of Korea red ginseng on nonalcoholic fatty liver disease: an association of gut microbiota with liver function.

**Journal of ginseng research , Volume: 45 Issue: 2 2021 Mar**

**Authors Hong JT,Lee MJ,Yoon SJ,Shin SP,Bang CS,Baik GH,Kim DJ,Youn GS,Shin MJ,Ham YL,Suk KT,Kim BS**

Saccharomyces boulardii ameliorates gut dysbiosis associated cognitive decline.

**Physiology & behavior , Volume: 236 2021 Jul 1**

**Authors Roy Sarkar S,Mitra Mazumder P,Chatterjee K,Sarkar A,Adhikary M,Mukhopadhyay K,Banerjee S**

Impaired Intestinal Akkermansia muciniphila and Aryl Hydrocarbon Receptor Ligands Contribute to Nonalcoholic Fatty Liver Disease in Mice.

**mSystems , Volume: 6 Issue: 1 2021 Feb 23**

**Authors Shi Z,Lei H,Chen G,Yuan P,Cao Z,Ser HL,Zhu X,Wu F,Liu C,Dong M,Song Y,Guo Y,Chen C,Hu K,Zhu Y,Zeng XA,Zhou J,Lu Y,Patterson AD,Zhang L**

Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial.

**European journal of nutrition , Volume: 60 Issue: 6 2021 Sep**

**Authors Neyrinck AM,Rodriguez J,Zhang Z,Seethaler B,Sánchez CR,Roumain M,Hiel S,Bindels LB,Cani PD,Paquot N,Cnops M,Nazare JA,Laville M,Muccioli GG,Bischoff SC,Walter J,Thissen JP,Delzenne NM**

Effect of probiotic Lactobacillus plantarum Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults.

**World journal of gastroenterology , Volume: 27 Issue: 1 2021 Jan 7**

**Authors Rahayu ES,Mariyatun M,Putri Manurung NE,Hasan PN,Therdtathata P,Mishima R,Komalasari H,Mahfuzah NA,Pamungkatingtyas FH,Yoga WK,Nurfiana DA,Liwan SY,Juffrie M,Nugroho AE,Utami T**

Pretreatment with chitosan oligosaccharides attenuate experimental severe acute pancreatitis via inhibiting oxidative stress and modulating intestinal homeostasis.

**Acta pharmacologica Sinica , 2021Jan 25**

**Authors Mei QX,Hu JH,Huang ZH,Fan JJ,Huang CL,Lu YY,Wang XP,Zeng Y**

Effects of Iron and Zinc Biofortified Foods on Gut Microbiota In Vivo (*Gallus gallus*): A Systematic Review.

**Nutrients , Volume: 13 Issue: 1 2021.Jan 9**

**Authors Juste Contin Gomes M,Stampini Duarte Martino H,Tako E**

Inulin ameliorates schizophrenia via modulation of the gut microbiota and anti-inflammation in mice.

**Food & function , Volume: 12 Issue: 3 2021 Feb 15**

**Authors Guo L,Xiao P,Zhang X,Yang Y,Yang M,Wang T,Lu H,Tian H,Wang H,Liu J**

Dietary Inulin Supplementation Modulates Short-Chain Fatty Acid Levels and Cecum Microbiota Composition and Function in Chickens Infected With Salmonella.

**Frontiers in microbiology , Volume: 11 2020**

**Authors Song J,Li Q,Everaert N,Liu R,Zheng M,Zhao G,Wen J**

Lactulose ingestion causes an increase in the abundance of gut-resident bifidobacteria in Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

**Beneficial microbes , 2021 Jan 4**

**Authors Sakai Y,Hamano H,Ochi H,Abe F,Masuda K,Iino H**

Inulin Exerts Beneficial Effects on Non-Alcoholic Fatty Liver Disease via Modulating gut Microbiome and Suppressing the Lipopolysaccharide-Toll-Like Receptor 4-M?Nuclear Factor?B-Nod-Like Receptor Protein 3 Pathway via gut-Liver Axis in Mice.

**Frontiers in pharmacology , Volume: 11 2020**

**Authors Bao T,He F,Zhang X,Zhu L,Wang Z,Lu H,Wang T,Li Y,Yang S,Wang H**

Selective Utilization of the Human Milk Oligosaccharides 2`-Fucosyllactose, 3-Fucosyllactose, and Difucosyllactose by Various Probiotic and Pathogenic Bacteria.

**Journal of agricultural and food chemistry , Volume: 69 Issue: 1 2021 Jan 13**

**Authors Salli K,Hirvonen J,Siitonen J,Ahonen I,Anglenius H,Maukonen J**

Flexibility of Gut Microbiota in Ageing Individuals during Dietary Fiber Long-Chain Inulin Intake.

**Molecular nutrition & food research , Volume: 65 Issue: 4 2021 Feb**

**Authors Kiewiet MBG,Elderman ME,El Aidy S,Burgerhof JGM,Visser H,Vaughan EE,Faas MM,de Vos P**

Exopolysaccharides from Lactobacillus plantarum YW11 improve immune response and ameliorate inflammatory bowel disease symptoms.

**Acta biochimica Polonica , Volume: 67 Issue: 4 2020 Dec 17**

**Authors Min Z,Xiaona H,Aziz T,Jian Z,Zhennai Y**

Administration of Saccharomyces boulardii mafic-1701 improves feed conversion ratio, promotes antioxidant capacity, alleviates intestinal inflammation and modulates gut microbiota in weaned piglets.

**Journal of animal science and biotechnology , Volume: 11 Issue: 1 2020 Dec 4**

**Authors Zhang W,Bao C,Wang J,Zang J,Cao Y**

Adjunctive treatment with probiotics partially alleviates symptoms and reduces inflammation in patients with irritable bowel syndrome.

**European journal of nutrition , 2020 Nov 22**

**Authors Xu H, Ma C,Zhao F,Chen P,Liu Y,Sun Z,Cui L,Kwok LY,Zhang H**

Lactobacillus plantarum relieves diarrhea caused by enterotoxin-producing Escherichia coli through inflammation modulation and gut microbiota regulation.

**Food & function , Volume: 11 Issue: 12 2020 Dec 1**

**Authors Yue Y,He Z,Zhou Y,Ross RP ,Stanton C ,Zhao J ,Zhang H,Yang B ,Chen W**

Effects of Different Human Milk Oligosaccharides on Growth of Bifidobacteria in Monoculture and Co-culture With *Faecalibacterium prausnitzii*.

**Frontiers in microbiology , Volume: 11 2020**

**Authors Cheng L,Kiewiet MBG,Logtenberg MJ,Groeneveld A,Nauta A,Schols HA,Walvoort MTC,Harmsen HJM,de Vos P**

Dynamic gut microbiome changes to low-iron challenge.

**Applied and environmental microbiology , 2020 Nov 13**

**Authors Coe GL,Pinkham NV,Celis AI,Johnson C,DuBois JL,Walk ST**

Inulin supplementation ameliorates hyperuricemia and modulates gut microbiota in Uox-knockout mice.

**European journal of nutrition , Volume: 60 Issue: 4 2021 Jun**

**Authors Guo Y,Yu Y,Li H,Ding X,Li X,Jing X,Chen J,Liu G,Lin Y,Jiang C,Liu Z,He Y,Li C,Tian Z**

Differences in Intestinal Metabolism of Ginseng Between Normal and Immunosuppressed Rats.

**European journal of drug metabolism and pharmacokinetics , Volume: 46 Issue: 1 2021 Jan**

**Authors Zhu JH,Xu JD,Zhou SS,Zhang XY,Zhou J,Kong M,Mao Q,Zhu H,Li SL**

A novel inulin-type fructan from Asparagus cochinchinensis and its beneficial impact on human intestinal microbiota.

**Carbohydrate polymers , Volume: 247 2020 Nov 1**

**Authors Sun Q,Zhu L,Li Y,Cui Y,Jiang S,Tao N,Chen H,Zhao Z,Xu J,Dong C**

Contributions of Lactobacillus plantarum PC170 administration on the recovery of gut microbiota after short-term ceftriaxone exposure in mice.

**Beneficial microbes , Volume: 11 Issue: 5 2020 Sep 1**

**Authors Cheng R,Liang H,Zhang Y,Guo J,Miao Z,Shen X,Chen G,Cheng G,Li M,He F**

Lactobacillus plantarum PS128 Improves Physiological Adaptation and Performance in Triathletes through Gut Microbiota

**Modulation.****Nutrients , Volume: 12 Issue: 8 2020 Aug 1****Authors Huang WC,Pan CH,Wei CC,Huang HY**

High Salt Elicits Brain Inflammation and Cognitive Dysfunction, Accompanied by Alterations in the Gut Microbiota and Decreased SCFA Production.

**Journal of Alzheimer`s disease : JAD , 2020 Jul 25****Authors Hu L,Zhu S,Peng X,Li K,Peng W,Zhong Y,Kang C,Cao X,Liu Z,Zhao B**

Long-Term Intake of Pork Meat Proteins Altered the Composition of Gut Microbiota and Host-Derived Proteins in the Gut Contents of Mice.

**Molecular nutrition & food research , Volume: 64 Issue: 17 2020 Sep****Authors Xie Y,Wang C,Zhao D,Zhou C,Li C**

Dietary Mannan-oligosaccharides potentiate the beneficial effects of Bifidobacterium bifidum in broiler chicken.

**Letters in applied microbiology , Volume: 71 Issue: 5 2020 Nov****Authors Dev K,Akbar Mir N,Biswas A,Kannoujia J,Begum J,Kant R**

Anti-Obesity Effect of Lactobacillus plantarum LB818 Is Associated with Regulation of Gut Microbiota in High-Fat Diet-Fed Obese Mice.

**Journal of medicinal food , Volume: 23 Issue: 7 2020 Jul****Authors Hussain A,Kwon MH,Kim HK,Lee HS,Cho JS,Lee YI**

Effect of chitooligosaccharides on human gut microbiota and antiglycation.

**Carbohydrate polymers , Volume: 242 2020 Aug 15****Authors Liu W,Li X,Zhao Z,Pi X,Meng Y,Fei D,Liu D,Wang X**

Thyroid-Gut-Axis: How Does the Microbiota Influence Thyroid Function?

**Nutrients , Volume: 12 Issue: 6 2020 Jun 12****Authors Knezevic J,Starchi C,Tmava Berisha A,Amrein K**

Fucoidan isolated from Ascophyllum nodosum alleviates gut microbiota dysbiosis and colonic inflammation in antibiotic-treated mice.

**Food & function , Volume: 11 Issue: 6 2020 Jun 24****Authors Wang L,Ai C,Wen C,Qin Y,Liu Z,Wang L,Gong Y,Su C,Wang Z,Song S**

Dendrobium officinale Kimura et Migo and American ginseng mixture: A Chinese herbal formulation for gut microbiota modulation.

**Chinese journal of natural medicines , Volume: 18 Issue: 6 2020 Jun****Authors Liu CZ,Chen W,Wang MX,Wang Y,Chen LQ,Zhao F,Shi Y,Liu HJ,Dou XB,Liu C,Chen H**

Early Introduction of Solid Feeds: Ingestion Level Matters More Than Prebiotic Supplementation for Shaping Gut Microbiota.

**Frontiers in veterinary science , Volume: 7 2020****Authors Paës C,Gidenne T,Bébin K,Duperray J,Gohier C,Guené-Grand E,Rebours G,Bouchez O,Barily C,Aymard P,Combes S**

Dietary supplementation with Lactobacillus plantarum modified gut microbiota, bile acid profile and glucose homeostasis in weaning piglets.

**The British journal of nutrition , Volume: 124 Issue: 8 2020 Oct 28****Authors Lin S,Yang X,Long Y,Zhong H,Wang P,Yuan P,Zhang X,Che L,Feng B,Li J,Zhuo Y,Lin Y,Xu S,Wu D,Fang Z**

Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs.

**European journal of nutrition , Volume: 60 Issue: 2 2021 Mar****Authors He J,Xie H,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H**

Unsaturated alginate oligosaccharides attenuated obesity-related metabolic abnormalities by modulating gut microbiota in high-fat-diet mice.

**Food & function , Volume: 11 Issue: 5 2020 May 1****Authors Li S ,Wang L ,Liu B ,He N**

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR $\alpha$  signal pathway and gut microbiota.

**Applied microbiology and biotechnology , Volume: 104 Issue: 13 2020 Jul****Authors Cai H,Wen Z,Li X,Meng K,Yang P**

The Protective Effects of 2'-Fucosyllactose against E Coli O157 Infection Are Mediated by the Regulation of Gut Microbiota and the Inhibition of Pathogen Adhesion.

**Nutrients , Volume: 12 Issue: 5 2020 May 1****Authors Wang Y,Zou Y,Wang J,Ma H,Zhang B,Wang S**

Lactobacillus plantarum NA136 ameliorates nonalcoholic fatty liver disease by modulating gut microbiota, improving intestinal barrier integrity, and attenuating inflammation.

**Applied microbiology and biotechnology , Volume: 104 Issue: 12 2020 Jun****Authors Zhao Z,Chen L,Zhao Y,Wang C,Duan C,Yang G,Niu C,Li S**

Effect of chicory inulin-type fructan-containing snack bars on the human gut microbiota in low dietary fiber consumers in a randomized crossover trial.

**The American journal of clinical nutrition , Volume: 111 Issue: 6 2020 Jun 1**

*Authors Reimer RA,Soto-Vaca A,Nicolucci AC,Mayengbam S,Park H,Madsen KL,Menon R,Vaughan EE*

Cultivation of the Next-Generation Probiotic Akkermansia muciniphila, Methods of Its Safe Delivery to the Intestine, and Factors Contributing to Its Growth In Vivo.

**Current microbiology , Volume: 77 Issue: 8 2020 Aug**

*Authors Ropot AV,Karamzin AM,Sergeyev OV*

Regulatory effects of Lactobacillus plantarum HY7714 on skin health by improving intestinal condition.

**PLoS one , Volume: 15 Issue: 4 2020**

*Authors Nam B,Kim SA,Park SD,Kim HJ,Kim JS,Bae CH,Kim JY,Nam W,Lee JL,Sim JH*

2'-fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice.

**Nutrients , Volume: 12 Issue: 4 2020 Apr 5**

*Authors Lee S,Goodson M,Vang W,Kalanetra K,Barile D,Raybould H*

Pork Meat Proteins Alter Gut Microbiota and Lipid Metabolism Genes in the Colon of Adaptive Immune-Deficient Mice.

**Molecular nutrition & food research , Volume: 64 Issue: 9 2020 May**

*Authors Zhang M,Zou X,Zhao D,Zhao F,Li C*

Bifidobacterium breve UCC2003 Exopolysaccharide Modulates the Early Life Microbiota by Acting as a Potential Dietary Substrate.

**Nutrients , Volume: 12 Issue: 4 2020 Mar 29**

*Authors Püngel D,Treveil A,Dalby MJ,Caim S,Colquhoun J,Booth C,Ketskemety J,Korcsmaros T,van Sinderen D,Lawson MA,Hall JU*

Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs.

**The British journal of nutrition , Volume: 124 Issue: 3 2020 Aug 14**

*Authors Wang W,Chen D,Yu B,Huang Z,Mao X,Zheng P,Luo Y,Yu J,Luo J,Yan H,He J*

Herbal formula improves upper and lower gastrointestinal symptoms and gut health in Australian adults with digestive disorders.

**Nutrition research (New York, N.Y.) , Volume: 76 2020 Apr**

*Authors Ried K,Travica N,Dorairaj R,Sali A*

Bacillus coagulans SANK 70258 suppresses Enterobacteriaceae in the microbiota of ulcerative colitis in vitro and enhances butyrogenesis in healthy microbiota.

**Applied microbiology and biotechnology , Volume: 104 Issue: 9 2020 May**

*Authors Sasaki K,Sasaki D,Inoue J,Hoshi N,Maeda T,Yamada R,Kondo A*

Effect of Saccharomyces boulardii CNCM I-745 as complementary treatment of Helicobacter pylori infection on gut microbiome.

**European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology , Volume: 39 Issue: 7 2020 Jul**

*Authors Cárdenas PA,Garcés D,Prado-Vivar B,Flores N,Fornasini M,Cohen H,Salvador I,Cargua O,Baldeón ME*

Prebiotic inulin consumption reduces dioxin-like PCB 126-mediated hepatotoxicity and gut dysbiosis in hyperlipidemic Ldlr deficient mice.

**Environmental pollution (Barking, Essex : 1987) , Volume: 261 2020 Jun**

*Authors Hoffman JB,Petriello MC,Morris AJ,Mottaleb MA,Sui Y,Zhou C,Deng P,Wang C,Hennig B*

Study on the Effect of Capsaicin on the Intestinal Flora through High-Throughput Sequencing.

**ACS omega , Volume: 5 Issue: 2 2020 Jan 21**

*Authors Wang F,Huang X,Chen Y,Zhang D,Chen D,Chen L,Lin J*

Saccharomyces boulardii Tht 500101 changes gut microbiota and ameliorates hyperglycaemia, dyslipidaemia, and liver inflammation in streptozotocin-diabetic mice.

**Beneficial microbes , Volume: 10 Issue: 8 2019 Dec 9**

*Authors Albuquerque RCMF,Brandão ABP,De Abreu ICME,Ferreira FG,Santos LB,Moreira LN,Taddei CR,Aimbire F,Cunha TS*

Dietary prophage inducers and antimicrobials: toward landscaping the human gut microbiome.

**Gut microbes , 2020 Jan 13**

*Authors Boling L,Cuevas DA,Grasis JA,Kang HS,Knowles B,Levi K,Maughan H,McNair K,Rojas MI,Sánchez SE,Smurthwaite C,Rohwer F*

Oxidized Pork Induces Oxidative Stress and Inflammation by Altering Gut Microbiota in Mice.

**Molecular nutrition & food research , Volume: 64 Issue: 2 2020 Jan**

*Authors Ge Y,Lin S,Li B,Yang Y,Tang X,Shi Y,Sun J,Le G*

The Effect of Increasing Inclusion Levels of a Fucoidan-Rich Extract Derived from *Ascophyllum nodosum* on Growth Performance and Aspects of Intestinal Health of Pigs Post-Weaning.

**Marine drugs , Volume: 17 Issue: 12 2019 Nov 30**

**Authors Rattigan R,Sweeney T,Vigors S,Thornton K,Rajauria G,O'Doherty AJV**

Gut microbiota composition during a 12-week intervention with delayed-release dimethyl fumarate in multiple sclerosis - a pilot trial.

**Multiple sclerosis journal - experimental, translational and clinical , Volume: 5 Issue: 4 2019 Oct-Dec**

**Authors Storm-Larsen C,Myhr KM,Farbu E,Midgard R,Nyquist K,Broch L,Berg-Hansen P,Buness A,Holm K,Ueland T,Fallang LE,Burum-Auensen E,Hov JR,Holmøy T**

Chitooligosaccharides Prevents the Development of Colitis-Associated Colorectal Cancer by Modulating the Intestinal Microbiota and Mycobiota.

**Frontiers in microbiology , Volume: 10 2019**

**Authors Wu M,Li J,An Y,Li P,Xiong W,Li J,Yan D,Wang M,Zhong G**

The effect of inulin and resistant maltodextrin on weight loss during energy restriction: a randomised, placebo-controlled, double-blinded intervention.

**European journal of nutrition , 2019 Oct 11**

**Authors Hess AL,Benítez-Páez A,Blædel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.**

Transfusional iron overload and intravenous iron infusions modify the mouse gut microbiota similarly to dietary iron.

**NPJ biofilms and microbiomes , Volume: 5 2019**

**Authors La Carpia F,Wojczyk BS,Annavajhala MK,Rebbaa A,Culp-Hill R,D'Alessandro A,Freedberg DE,Uhlemann AC,Hod EA**

*Bacillus coagulans* R11 maintained intestinal villus health and decreased intestinal injury in lead-exposed mice by regulating the intestinal microbiota and influenced the function of faecal microRNAs.

**Environmental pollution (Barking, Essex : 1987) , Volume: 255 Issue: Pt 2 2019 Sep 13**

**Authors Xing SC,Huang CB,Mi JD,Wu YB,Liao XD**

Lactulose drives a reversible reduction and qualitative modulation of the faecal microbiota diversity in healthy dogs.

**Scientific reports , Volume: 9 Issue: 1 2019 Sep 16**

**Authors Ferreira MDF,Salavati Schmitz S,Schoenebeck JJ,Clements DN,Campbell SM,Gaylor DE,Mellanby RJ,Gow AG,Salavati M**  
Effects of *Lactobacillus plantarum* on the intestinal morphology, intestinal barrier function and microbiota composition of suckling piglets.

**Journal of animal physiology and animal nutrition , 2019 Sep 9**

**Authors Wang Q,Sun Q,Qi R,Wang J,Qiu X,Liu Z,Huang J**

Inhibition of *Escherichia coli* adhesion to human intestinal Caco-2?cells by probiotic candidate *Lactobacillus plantarum* strain L15.

**Microbial pathogenesis , Volume: 136 2019 Nov**

**Authors Alizadeh Behbahani B,Noshad M,Falah F**

Immunomodulatory and Prebiotic Effects of 2'-Fucosyllactose in Suckling Rats.

**Frontiers in immunology , Volume: 10 2019**

**Authors Azagra-Boronat I,Massot-Cladera M,Mayneris-Perxachs J,Knipping K,Van `t Land B,Tims S,Stahl B,Garssen J,Franch À,Castell M,Rodríguez-Lagunas MJ,Pérez-Cano FJ**

Dietary Factors and Modulation of Bacteria Strains of <i>Akkermansia muciniphila</i> and <i>Faecalibacterium prausnitzii</i>: A Systematic Review.

**Nutrients , Volume: 11 Issue: 7 2019 Jul 11**

**Authors Verhoog S,Taneri PE,Roa Díaz ZM,Marques-Vidal P,Troup JP,Bally L,Franco OH,Glisic M,Mukta T**

Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice.

**PLoS one , Volume: 14 Issue: 7 2019**

**Authors Rogier R,Ederveen THA,Wopereis H,Hartog A,Boekhorst J,van Hijum SAFT,Knol J,Garssen J,Walgreen B,Helsen MM,van der Kraan PM,van Lent PLEM,van de Loo FAJ,Abdollahi-Roodsaz S,Koenders MI**

Effects of a Lactulose-Rich Diet on Fecal Microbiome and Metabolome in Pregnant Mice.

**Journal of agricultural and food chemistry , Volume: 67 Issue: 27 2019 Jul 10**

**Authors Zhang Z,Chen X,Zhao J,Tian C,Wei X,Li H,Lin W,Jiang A,Feng R,Yuan J,Zhao X**

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

**Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10**

**Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,Iino H**

Prebiotic effect of two grams of lactulose in healthy Japanese women: a randomised, double-blind, placebo-controlled crossover trial.

**Beneficial microbes , Volume: 10 Issue: 6 2019 Jul 10**

**Authors Sakai Y,Seki N,Hamano K,Ochi H,Abe F,Masuda K,lino H**

The role of short-chain fatty acids in microbiota-gut-brain communication.

**Nature reviews. Gastroenterology & hepatology , Volume: 16 Issue: 8 2019 Aug**

**Authors Dalile B,Van Oudenhove L,Vervliet B,Verbeke K**

Fermented Momordica charantia L juice modulates hyperglycemia, lipid profile, and gut microbiota in type 2 diabetic rats.

**Food research international (Ottawa, Ont.) , Volume: 121 2019 Jul**

**Authors Gao H,Wen JJ,Hu JL,Nie QX,Chen HH,Xiong T,Nie SP,Xie MY**

Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans.

**The American journal of clinical nutrition , Volume: 109 Issue: 6 2019 Jun 1**

**Authors Hiel S,Bindels LB,Pachikian BD,Kalala G,Broers V,Zamariola G,Chang BPI,Kambashi B,Rodríguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM**

A study of the prebiotic effect of lactulose at low dosages in healthy Japanese women.

**Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019**

**Authors Sakai Y,Seki N,Hamano H,Ochi H,Abe F,Shimizu F,Masuda K,lino H**

Alleviation of low-fiber diet-induced constipation by probiotic *Bifidobacterium bifidum G9-1* is based on correction of gut microbiota dysbiosis.

**Bioscience of microbiota, food and health , Volume: 38 Issue: 2 2019**

**Authors Makizaki Y,Maeda A,Oikawa Y,Tamura S,Tanaka Y,Nakajima S,Yamamura H**

Targeting the Gut Microbiota to Investigate the Mechanism of Lactulose in Negating the Effects of a High-Salt Diet on Hypertension.

**Molecular nutrition & food research , Volume: 63 Issue: 11 2019 Jun**

**Authors Zhang Z,Zhao J,Tian C,Chen X,Li H,Wei X,Lin W,Zheng N,Jiang A,Feng R,Yuan J,Zhao X**

Effect of *Saccharomyces boulardii* and *Bacillus subtilis B10* on gut microbiota modulation in broilers.

**Animal nutrition (Zhongguo xu mu shou yi xue hui) , Volume: 4 Issue: 4 2018 Dec**

**Authors Qin C,Gong L,Zhang X,Wang Y,Wang Y,Wang B,Li Y,Li W**

Strategies to promote abundance of <i>Akkermansia muciniphila</i>, an emerging probiotics in the gut, evidence from dietary intervention studies.

**Journal of functional foods , Volume: 33 2017 Jun**

**Authors Zhou K**

Inulin-type fructans improve active ulcerative colitis associated with microbiota changes and increased short-chain fatty acids levels.

**Gut microbes , 2018 Nov 5**

**Authors Valcheva R,Koleva P,Martínez I,Walter J,Gänzle MG,Dieleman LA**

The Phosphate Binder Ferric Citrate Alters the Gut Microbiome in Rats with Chronic Kidney Disease.

**The Journal of pharmacology and experimental therapeutics , Volume: 367 Issue: 3 2018 Dec**

**Authors Lau WL,Vaziri ND,Nunes ACF,Comeau AM,Langille MG,England W,Khazaeli M,Suematsu Y,Phan J,Whiteson K**

Probiotic <i>Lactobacillus plantarum</i> Promotes Intestinal Barrier Function by Strengthening the Epithelium and Modulating Gut Microbiota.

**Frontiers in microbiology , Volume: 9 2018**

**Authors Wang J,Ji H,Wang S,Liu H,Zhang W,Zhang D,Wang Y**

Effects of inulin supplementation to piglets in the suckling period on growth performance, postileal microbial and immunological traits in the suckling period and three weeks after weaning.

**Archives of animal nutrition , Volume: 72 Issue: 6 2018 Dec**

**Authors Li B,Schroyen M,Leblois J,Wavreille J,Soyeurt H,Bindelle J,Everaert N**

Lactobacillus plantarum LC27 and *Bifidobacterium longum* LC67 mitigate alcoholic steatosis in mice by inhibiting LPS-mediated NF-?B activation through restoration of the disturbed gut microbiota.

**Food & function , Volume: 9 Issue: 8 2018 Aug 15**

**Authors Kim WG,Kim HI,Kwon EK,Han MJ,Kim DH**

Inulin fiber dose-dependently modulates energy balance, glucose tolerance, gut microbiota, hormones and diet preference in high-fat-fed male rats.

**The Journal of nutritional biochemistry , Volume: 59 2018 Sep**

**Authors Singh A,Zapata RC,Pezeshki A,Reidelberger RD,Chelikani PK**

A Vegetarian Diet Is a Major Determinant of Gut Microbiota Composition in Early Pregnancy.

**Nutrients , Volume: 10 Issue: 7 2018 Jul 12**

**Authors Barrett HL,Gomez-Arango LF,Wilkinson SA,McIntyre HD,Callaway LK,Morrison M,Dekker Nitert M**

Antagonistic effect of isolated probiotic bacteria from natural sources against intestinal Escherichia coli pathotypes.

**Electronic physician , Volume: 10 Issue: 3 2018 Mar**

**Authors Karimi S,Rashidian E,Birjandi M,Mahmoodnia L**

Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.

**The American journal of clinical nutrition , Volume: 107 Issue: 6 2018 Jun 1**

**Authors So D,Whelan K,Rossi M,Morrison M,Holtmann G,Kelly JT,Shanahan ER,Staudacher HM,Campbell KL**

Catechin supplemented in a FOS diet induces weight loss by altering cecal microbiota and gene expression of colonic epithelial cells.

**Food & function , Volume: 9 Issue: 5 2018 May 23**

**Authors Luo J,Han L,Liu L,Gao L,Xue B,Wang Y,Ou S,Miller M,Peng X**

Modifications in gut microbiota and fermentation metabolites in the hindgut of rats after the consumption of galactooligosaccharide glycated with a fish peptide.

**Food & function , Volume: 9 Issue: 5 2018 May 1**

**Authors Jin W,Han K,Dong S,Yang Y,Mao Z,Su M,Zeng M**

Evaluation of the nutrition and function of cow and goat milk based on intestinal microbiota by metagenomic analysis.

**Food & function , Volume: 9 Issue: 4 2018 Apr 25**

**Authors Wang Z,Jiang S,Ma C,Huo D,Peng Q,Shao Y,Zhang J**

Effect of lactulose intervention on gut microbiota and short chain fatty acid composition of C57BL/6J mice.

**MicrobiologyOpen , Volume: 7 Issue: 6 2018 Dec**

**Authors Zhai S,Zhu L,Qin S,Li L**

Lactobacillus plantarum MTCC 9510 supplementation protects from chronic unpredictable and sleep deprivation-induced behaviour, biochemical and selected gut microbial aberrations in mice.

**Journal of applied microbiology , Volume: 125 Issue: 1 2018 Jul**

**Authors Dhaliwal J,Singh DP,Singh S,Pinnaka AK,Boparai RK,Bishnoi M,Kondepudi KK,Chopra K**

High salt diet exacerbates colitis in mice by decreasing Lactobacillus levels and butyrate production.

**Microbiome , Volume: 6 Issue: 1 2018 Mar 22**

**Authors Miranda PM,De Palma G,Serkis V,Lu J,Louis-Auguste MP,McCarville JL,Verdu EF,Collins SM,Bercik P**

Prebiotic Potential of Herbal Medicines Used in Digestive Health and Disease.

**Journal of alternative and complementary medicine (New York, N.Y.) , Volume: 24 Issue: 7 2018 Jul**

**Authors Peterson CT,Sharma V,Uchitel S,Denniston K,Chopra D,Mills PJ,Peterson SN**

Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice.

**Nutrition & diabetes , Volume: 8 Issue: 1 2018 Mar 7**

**Authors Neyrinck AM,Hiel S,Bouzin C,Campayo VG,Cani PD,Bindels LB,Delzenne NM**

Inulin-type fructan improves diabetic phenotype and gut microbiota profiles in rats.

**PeerJ , Volume: 6 2018**

**Authors Zhang Q,Yu H,Xiao X,Hu L,Xin F,Yu X**

Enhancing syntrophic associations among Clostridium butyricum, Syntrophomonas and two types of methanogen by zero valent iron in an anaerobic assay with a high organic loading.

**Bioresource technology , Volume: 257 2018 Jun**

**Authors Kong X,Yu S,Fang W,Liu J,Li H**

Complementary Mechanisms for Degradation of Inulin-Type Fructans and Arabinoxylan Oligosaccharides among Bifidobacterial Strains Suggest Bacterial Cooperation.

**Applied and environmental microbiology , Volume: 84 Issue: 9 2018 May 1**

**Authors Rivière A,Selak M,Geirnaert A,Van den Abbeele P,De Vuyst L**

Effects of a galacto-oligosaccharide-rich diet on fecal microbiota and metabolite profiles in mice.

**Food & function , 2018 Feb 21**

**Authors Cheng W,Lu J,Lin W,Wei X,Li H,Zhao X,Jiang A,Yuan J**

Digestibility of sulfated polysaccharide from the brown seaweed Ascophyllum nodosum and its effect on the human gut microbiota in vitro.

**International journal of biological macromolecules , Volume: 112 2018 Jun**

**Authors Chen L,Xu W,Chen D,Chen G,Liu J,Zeng X,Shao R,Zhu H**

The Relationship between Habitual Dietary Intake and Gut Microbiota in Young Japanese Women.

**Journal of nutritional science and vitaminology , Volume: 63 Issue: 6 2017**

**Authors Seura T,Yoshino Y,Fukumatari T**

Habitual dietary fibre intake influences gut microbiota response to an inulin-type fructan prebiotic: a randomised, double-blind, placebo-controlled, cross-over, human intervention study.

**The British journal of nutrition , Volume: 119 Issue: 2 2018 Jan**

**Authors Healey G,Murphy R,Butts C,Brough L,Whelan K,Coad J**

Lactobacillus plantarum HNU082-derived improvements in the intestinal microbiome prevent the development of hyperlipidaemia.

**Food & function , Volume: 8 Issue: 12 2017 Dec 13**

Authors Shao Y,Huo D,Peng Q,Pan Y,Jiang S,Liu B,Zhang J

The effects of iron fortification and supplementation on the gut microbiome and diarrhea in infants and children: a review.

**The American journal of clinical nutrition , Volume: 106 Issue: Suppl 6 2017 Dec**

Authors Paganini D,Zimmermann MB

Characterization of fecal fat composition and gut derived fecal microbiota in high-fat diet fed rats following intervention with chito-oligosaccharide and resistant starch complexes.

**Food & function , Volume: 8 Issue: 12 2017 Dec 13**

Authors Shang W,Si X,Zhou Z,Li Y,Strappe P,Blanchard C

High-Salt Diet Has a Certain Impact on Protein Digestion and Gut Microbiota: A Sequencing and Proteome Combined Study.

**Frontiers in microbiology , Volume: 8 2017**

Authors Wang C,Huang Z,Yu K,Ding R,Ye K,Dai C,Xu X,Zhou G,Li C

Effects of microencapsulated Lactobacillus plantarum LIP-1 on the gut microbiota of hyperlipidaemic rats.

**The British journal of nutrition , Volume: 118 Issue: 7 2017 Oct**

Authors Song JJ,Tian WJ,Kwok LY,Wang YL,Shang YN,Menghe B,Wang JG

Prebiotics Mediate Microbial Interactions in a Consortium of the Infant Gut Microbiome.

**International journal of molecular sciences , Volume: 18 Issue: 10 2017 Oct 4**

Authors Medina DA,Pinto F,Ovalle A,Thomson P,Garrido D

Fructooligosaccharide (FOS) and Galactooligosaccharide (GOS) Increase Bifidobacterium but Reduce Butyrate Producing Bacteria with Adverse Glycemic Metabolism in healthy young population.

**Scientific reports , Volume: 7 Issue: 1 2017 Sep 18**

Authors Liu F,Li P,Chen M,Luo Y,Prabhakar M,Zheng H,He Y,Qi Q,Long H,Zhang Y,Sheng H,Zhou H

A yeast fermentate improves gastrointestinal discomfort and constipation by modulation of the gut microbiome: results from a randomized double-blind placebo-controlled pilot trial.

**BMC complementary and alternative medicine , Volume: 17 Issue: 1 2017 Sep 4**

Authors Pinheiro I,Robinson L,Verhelst A,Marzorati M,Winkens B,den Abbeele PV,Possemiers S

Characterization of an antimicrobial substance produced by Lactobacillus plantarum NTU 102.

**Journal of microbiology, immunology, and infection - Wei mian yu gan ran za zhi , 2017 Aug 29**

Authors Lin TH,Pan TM

Effect of Probiotic Lactobacilli on the Growth of Streptococcus Mutans and Multispecies Biofilms Isolated from Children with Active Caries.

**Medical science monitor : international medical journal of experimental and clinical research , Volume: 23 2017 Aug 30**

Authors Lin X,Chen X,Tu Y,Wang S,Chen H

Lactobacillus plantarum LP-Only alters the gut flora and attenuates colitis by inducing microbiome alteration in interleukin-10 knockout mice.

**Molecular medicine reports , Volume: 16 Issue: 5 2017 Nov**

Authors Chen H,Xia Y,Zhu S,Yang J,Yao J,Di J,Liang Y,Gao R,Wu W,Yang Y,Shi C,Hu D,Qin H,Wang Z

Worse inflammatory profile in omnivores than in vegetarians associates with the gut microbiota composition.

**Diabetology & metabolic syndrome , Volume: 9 2017**

Authors Franco-de-Moraes AC,de Almeida-Pititto B,da Rocha Fernandes G,Gomes EP,da Costa Pereira A,Ferreira SRG

Dose-Dependent Prebiotic Effect of Lactulose in a Computer-Controlled In Vitro Model of the Human Large Intestine.

**Nutrients , Volume: 9 Issue: 7 2017 Jul 18**

Authors Bothe MK,Maathuis AJH,Bellmann S,van der Vossen JMBM,Berressem D,Koehler A,Schwejda-Guettes S,Gaigg B,Kuchinka-Koch A,Stover JF

Gut Microbiota Mediates the Protective Effects of Dietary Capsaicin against Chronic Low-Grade Inflammation and Associated Obesity Induced by High-Fat Diet.

**mBio , Volume: 8 Issue: 3 2017 May 23**

Authors Kang C,Wang B,Kaliannan K,Wang X,Lang H,Hui S,Huang L,Zhang Y,Zhou M,Chen M,Mi M

Rice- or pork-based diets with similar calorie and content result in different rat gut microbiota.

**International journal of food sciences and nutrition , Volume: 68 Issue: 7 2017 Nov**

Authors Qi X,Xu W,Guo M,Chen S,Liu Y,He X,Huang K

Anti-obesity Effect of Capsaicin in Mice Fed with High-Fat Diet Is Associated with an Increase in Population of the Gut Bacterium <i>Akkermansia muciniphila</i>.

**Frontiers in microbiology , Volume: 8 2017**

Authors Shen W,Shen M,Zhao X,Zhu H,Yang Y,Lu S,Tan Y,Li G,Li M,Wang J,Hu F,Le S

Specific inulin-type fructan fibers protect against autoimmune diabetes by modulating gut immunity, barrier function, and microbiota homeostasis.

**Molecular nutrition & food research , Volume: 61 Issue: 8 2017 Aug**

Authors Chen K,Chen H,Faas MM,de Haan BJ,Li J,Xiao P,Zhang H,Diana J,de Vos P,Sun J

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

**Gut , Volume: 66 Issue: 11 2017 Nov**

Authors Vandepitte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice.

**Journal of dairy science , Volume: 100 Issue: 4 2017 Apr**

Authors Boudry G,Hamilton MK,Chichlowski M,Wickramasinghe S,Barile D,Kalanetra KM,Mills DA,Raybould HE

Impact of short-chain galactooligosaccharides on the gut microbiome of lactose-intolerant individuals.

**Proceedings of the National Academy of Sciences of the United States of America , Volume: 114 Issue: 3 2017 Jan 17**

Authors Azcarate-Peril MA,Ritter AJ,Savaiano D,Monteagudo-Mera A,Anderson C,Magness ST,Klaenhammer TR

Gut-borne Saccharomyces cerevisiae, a promising candidate for the formulation of feed additives, modulates immune system and gut microbiota.

**Beneficial microbes , Volume: 7 Issue: 5 2016 Nov 30**

Authors García G,Dogi C,de Moreno de LeBlanc A,Greco C,Cavagliari L

Oligofructose as an adjunct in treatment of diabetes in NOD mice.

**Scientific reports , Volume: 6 2016 Nov 22**

Authors Chan C,Hyslop CM,Shrivastava V,Ochoa A,Reimer RA,Huang C

Lactate- and acetate-based cross-feeding interactions between selected strains of lactobacilli, bifidobacteria and colon bacteria in the presence of inulin-type fructans.

**International journal of food microbiology , Volume: 241 2017 Jan 16**

Authors Moens F,Verce M,De Vuyst L

Effects of long-term Bacillus subtilis CGMCC 1921 supplementation on performance, egg quality, and fecal and cecal microbiota of laying hens.

**Poultry science , Volume: 96 Issue: 5 2017 May 1**

Authors Guo JR,Dong XF,Liu S,Tong JM

Fucosyllactose and L-fucose utilization of infant Bifidobacterium longum and Bifidobacterium kashiwanohense.

**BMC microbiology , Volume: 16 Issue: 1 2016 Oct 26**

Authors Bunesova V,Lacroix C,Schwab C

Oral supplementation of healthy adults with 2`-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota.

**The British journal of nutrition , Volume: 116 Issue: 8 2016 Oct**

Authors Elison E,Vigsnaes LK,Rindom Krogsbaard L,Rasmussen J,Sørensen N,McConnell B,Hennet T,Sommer MO,Bytzer P

Healthy Subjects Differentially Respond to Dietary Capsaicin Correlating with Specific Gut Enterotypes.

**The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 12 2016 Dec**

Authors Kang C,Zhang Y,Zhu X,Liu K,Wang X,Chen M,Wang J,Chen H,Hui S,Huang L,Zhang Q,Zhu J,Wang B,Mi M

Efficacy and role of inulin in mitigation of enteric sulfur-containing odor in pigs.

**Journal of the science of food and agriculture , Volume: 97 Issue: 8 2017 Jun**

Authors Deng YF,Liu YY,Zhang YT,Wang Y,Liang JB,Tufarelli V,Laudadio V,Liao XD

Iron Fortification of Foods for Infants and Children in Low-Income Countries: Effects on the Gut Microbiome, Gut Inflammation, and Diarrhea.

**Nutrients , Volume: 8 Issue: 8 2016 Aug 12**

Authors Paganini D,Uyoga MA,Zimmermann MB

An ATP Binding Cassette Transporter Mediates the Uptake of α(1,6)-Linked Dietary Oligosaccharides in Bifidobacterium and Correlates with Competitive Growth on These Substrates.

**The Journal of biological chemistry , Volume: 291 Issue: 38 2016 Sep 16**

Authors Ejby M,Fredslund F,Andersen JM,Vujicic Žagar A,Henriksen JR,Andersen TL,Svensson B,Slotboom DJ,Abou Hachem M

Antimicrobial effects of Lactobacillus plantarum and Lactobacillus acidophilus against multidrug-resistant enteropathogenic Escherichia coli.

**International journal of antimicrobial agents , Volume: 48 Issue: 3 2016 Sep**

Authors Kumar M,Dhaka P,Vijay D,Vergis J,Mohan V,Kumar A,Kurkure NV,Barbuddhe SB,Malik SV,Rawool DB

Dietary Casein and Soy Protein Isolate Modulate the Effects of Raffinose and Fructooligosaccharides on the Composition and Fermentation of Gut Microbiota in Rats.

**Journal of food science , Volume: 81 Issue: 8 2016 Aug**

Authors Bai G,Ni K,Tsuruta T,Nishino N

Microbial Community of Healthy Thai Vegetarians and Non-Vegetarians, Their Core Gut Microbiota, and Pathogen Risk.

**Journal of microbiology and biotechnology , Volume: 26 Issue: 10 2016 Oct 28**

**Authors Ruengsomwong S,La-Ongkham O,Jiang J,Wannissorn B,Nakayama J,Nitisinprasert S**

Short communication: Modulation of the small intestinal microbial community composition over short-term or long-term administration with Lactobacillus plantarum ZDY2013.

**Journal of dairy science , Volume: 99 Issue: 9 2016 Sep**

**Authors Xie Q,Pan M,Huang R,Tian X,Tao X,Shah NP,Wei H,Wan C**

Prebiotics and Bioactive Milk Fractions Affect Gut Development, Microbiota, and Neurotransmitter Expression in Piglets.

**Journal of pediatric gastroenterology and nutrition , Volume: 63 Issue: 6 2016 Dec**

**Authors Berding K,Wang M,Monaco MH,Alexander LS,Mudd AT,Chichlowski M,Waworuntu RV,Berg BM,Miller MJ,Dilger RN,Donovan SM**

A Metagenomics Approach to Evaluate the Impact of Dietary Supplementation with Ascophyllum nodosum or Laminaria digitata on Rumen Function in Rusitec Fermenters.

**Frontiers in microbiology , Volume: 7 2016**

**Authors Belanche A,Jones E,Parveen I,Newbold CJ**

Effect of Saccharomyces boulardii and Mode of Delivery on the Early Development of the Gut Microbial Community in Preterm Infants.

**PLoS one , Volume: 11 Issue: 2 2016**

**Authors Zeber-Lubecka N,Kulecka M,Ambroziewicz F,Paziewska A,Lechowicz M,Konopka E,Majewska U,Borszewska-Kornacka M,Mikula M,Cukrowska B,Ostrowski J**

Lactobacillus plantarum NCU116 attenuates cyclophosphamide-induced intestinal mucosal injury, metabolism and intestinal microbiota disorders in mice.

**Food & function , Volume: 7 Issue: 3 2016 Mar**

**Authors Xie JH,Fan ST,Nie SP,Yu Q,Xiong T,Gong D,Xie MY**

Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD.

**Gut , Volume: 66 Issue: 5 2017 May**

**Authors Lee T,Clavel T,Smirnov K,Schmidt A,Lagkouvardos I,Walker A,Lucio M,Michalke B,Schmitt-Kopplin P,Fedorak R,Haller D**

High purity galacto-oligosaccharides enhance specific Bifidobacterium species and their metabolic activity in the mouse gut microbiome.

**Beneficial microbes , Volume: 7 Issue: 2 2016**

**Authors Monteagudo-Mera A,Arthur JC,Jobin C,Keku T,Bruno-Barcena JM,Azcarate-Peril MA**

Evaluation of probiotic properties of Lactobacillus plantarum WLPL04 isolated from human breast milk.

**Journal of dairy science , Volume: 99 Issue: 3 2016 Mar**

**Authors Jiang M,Zhang F,Wan C,Xiong Y,Shah NP,Wei H,Tao X**

Antibacterial Activity of Probiotic Lactobacillus plantarum HK01- Effect of Divalent Metal Cations and Food Additives on Production Efficiency of Antibacterial Compounds.

**Probiotics and antimicrobial proteins , Volume: 5 Issue: 2 2013 Jun**

**Authors Sharafi H,Alidost L,Lababpour A,Shahbani Zahiri H,Abbasi H,Vali H,Akbari Noghabi K**

Microbial Metabolism Shifts Towards an Adverse Profile with Supplementary Iron in the TIM-2 In vitro Model of the Human Colon.

**Frontiers in microbiology , Volume: 6 2015**

**Authors Kortman GA,Dutilh BE,Maathuis AJ,Engelke UF,Boekhorst J,Keegan KP,Nielsen FG,Betley J,Weir JC,Kingsbury Z,Kluijtmans LA,Swinkels DW,Venema K,Tjalsma H**

Probiotic Characteristics of Lactobacillus plantarum FH185 Isolated from Human Feces.

**Korean journal for food science of animal resources , Volume: 35 Issue: 5 2015**

**Authors Park SY,Lim SD**

Dietary Isomers of Sialyllactose Increase Ganglioside Sialic Acid Concentrations in the Corpus Callosum and Cerebellum and Modulate the Colonic Microbiota of Formula-Fed Piglets.

**The Journal of nutrition , Volume: 146 Issue: 2 2016 Feb**

**Authors Jacobi SK,Yatsunenko T,Li D,Dasgupta S,Yu RK,Berg BM,Chichlowski M,Odle J**

Effects of probiotics *Pediococcus acidilactici* strain MA18/5M and *Saccharomyces cerevisiae* subsp. *boulardii* strain SB-CNCM I-1079 on fecal and intestinal microbiota of nursing and weanling piglets.

**Journal of animal science , Volume: 93 Issue: 11 2015 Nov**

**Authors Brousseau JP,Talbot G,Beaudoin F,Lauzon K,Roy D,Lessard M**

Bacteriocin-producing strains of Lactobacillus plantarum inhibit adhesion of *Staphylococcus aureus* to extracellular matrix: quantitative insight and implications in antibacterial therapy.

**Journal of medical microbiology , Volume: 64 Issue: 12 2015 Dec**

**Authors Mukherjee S,Ramesh A**

Saccharomyces boulardii CNCM I-745 supports regeneration of the intestinal microbiota after diarrheic dysbiosis - a review.

**Clinical and experimental gastroenterology , Volume: 8 2015**

**Authors Moré MI,Swidsinski A**

Sex differences in gut fermentation and immune parameters in rats fed an oligofructose-supplemented diet.

**Biology of sex differences , Volume: 6 2015**

**Authors Shastri P,McCarville J,Kalmokoff M,Brooks SP,Green-Johnson JM**

Agave Inulin Supplementation Affects the Fecal Microbiota of Healthy Adults Participating in a Randomized, Double-Blind, Placebo-Controlled, Crossover Trial.

**The Journal of nutrition , Volume: 145 Issue: 9 2015 Sep**

**Authors Holscher HD,Bauer LL,Gourineni V,Pelkman CL,Fahey GC Jr,Swanson KS**

In vitro probiotic characteristics of Lactobacillus plantarum ZDY 2013 and its modulatory effect on gut microbiota of mice.

**Journal of dairy science , Volume: 98 Issue: 9 2015 Sep**

**Authors Huang R,Tao X,Wan C,Li S,Xu H,Xu F,Shah NP,Wei H**

In Vitro Effects of Dietary Inulin on Human Fecal Microbiota and Butyrate Production.

**Journal of microbiology and biotechnology , Volume: 25 Issue: 9 2015 Sep**

**Authors Jung TH,Jeon WM,Han KS**

Bacillus coagulans GBI-30, 6086 Modulates Faecalibacterium prausnitzii in Older Men and Women.

**The Journal of nutrition , Volume: 145 Issue: 7 2015 Jul**

**Authors Nyangale EP,Farmer S,Cash HA,Keller D,Chernoff D,Gibson GR**

Inhibition of adhesion of intestinal pathogens (Escherichia coli, Vibrio cholerae, Campylobacter jejuni, and Salmonella Typhimurium) by common oligosaccharides.

**Foodborne pathogens and disease , Volume: 12 Issue: 4 2015 Apr**

**Authors Wang S,Wang J,Mou H,Luo B,Jiang X**

Probiotic potential of lactobacillus strains isolated from sorghum-based traditional fermented food.

**Probiotics and antimicrobial proteins , Volume: 7 Issue: 2 2015 Jun**

**Authors Rao KP,Chennappa G,Suraj U,Nagaraja H,Raj AP,Sreenivasa MY**

In vitro fermentation of fructooligosaccharides with human gut bacteria.

**Food & function , Volume: 6 Issue: 3 2015 Mar**

**Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W**

The impact of oral consumption of Lactobacillus plantarum P-8 on faecal bacteria revealed by pyrosequencing.

**Beneficial microbes , Volume: 6 Issue: 4 2015**

**Authors Kwok LY,Guo Z,Zhang J,Wang L,Qiao J,Hou Q,Zheng Y,Zhang H**

Fecal microbiota composition of breast-fed infants is correlated with human milk oligosaccharides consumed.

**Journal of pediatric gastroenterology and nutrition , Volume: 60 Issue: 6 2015 Jun**

**Authors Wang M,Li M,Wu S,Lebrilla CB,Chapkin RS,Ivanov I,Donovan SM**

Chemically defined diet alters the protective properties of fructo-oligosaccharides and isomalto-oligosaccharides in HLA-B27 transgenic rats.

**PLoS one , Volume: 9 Issue: 11 2014**

**Authors Koleva P,Ketabi A,Valcheva R,Gänzle MG,Dieleman LA**

In vitro fermentation of lactulose by human gut bacteria.

**Journal of agricultural and food chemistry , Volume: 62 Issue: 45 2014 Nov 12**

**Authors Mao B,Li D,Zhao J,Liu X,Gu Z,Chen YQ,Zhang H,Chen W**

Evaluation of the genotoxicity of ginseng leaf extract UG0712.

**Laboratory animal research , Volume: 30 Issue: 3 2014 Sep**

**Authors Kim JY,Ri Y,Do SG,Lee YC,Park SJ**

Prebiotic effect of an infant formula supplemented with galacto-oligosaccharides: randomized multicenter trial.

**Journal of the American College of Nutrition , Volume: 33 Issue: 5 2014**

**Authors Giovannini M,Verduci E,Gregori D,Ballali S,Soldi S,Ghisleni D,Riva E,PLAGOS Trial Study Group.**

Active dry Saccharomyces cerevisiae can alleviate the effect of subacute ruminal acidosis in lactating dairy cows.

**Journal of dairy science , Volume: 97 Issue: 12 2014 Dec**

**Authors AlZahal O,Dionissopoulos L,Laarman AH,Walker N,McBride BW**

Effect of prebiotics on the fecal microbiota of elderly volunteers after dietary supplementation of Bacillus coagulans GBI-30, 6086.

**Anaerobe , Volume: 30 2014 Dec**

**Authors Nyangale EP,Farmer S,Keller D,Chernoff D,Gibson GR**

Iron fortification adversely affects the gut microbiome, increases pathogen abundance and induces intestinal inflammation in Kenyan infants.

**Gut , Volume: 64 Issue: 5 2015 May**

**Authors** Jaeggi T,Kortman GA,Moretti D,Chassard C,Holding P,Dostal A,Boekhorst J,Timmerman HM,Swinkels DW,Tjalsma H,Njenga J,Mwangi A,Kvalsvig J,Lacroix C,Zimmermann MB

The effect of hydro alcoholic extract of seven plants on cariogenic bacteria—an in vitro evaluation.

**Oral health and dental management , Volume: 13 Issue: 2 2014 Jun**

**Authors** Kermanshah H,Kamangar SS,Arami S,Kamalinejad M,Karimi M,Mirsalehian A,Jabalameli F,Fard MJ

Effects of Lactobacillus plantarum on production performance, immune characteristics, antioxidant status, and intestinal microflora of bursin-immunized broilers.

**Canadian journal of microbiology , Volume: 60 Issue: 4 2014 Apr**

**Authors** Shen X,Yi D,Ni X,Zeng D,Jing B,Lei M,Bian Z,Zeng Y,Li T,Xin J

RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel.

**Applied and environmental microbiology , Volume: 80 Issue: 7 2014 Apr**

**Authors** Tannock GW,Lawley B,Munro K,Sims IM,Lee J,Butts CA,Roy N

Additional oligofructose/inulin does not increase faecal bifidobacteria in critically ill patients receiving enteral nutrition: a randomised controlled trial.

**Clinical nutrition (Edinburgh, Scotland) , Volume: 33 Issue: 6 2014 Dec**

**Authors** Majid HA,Cole J,Emery PW,Whelan K

Association of dietary type with fecal microbiota in vegetarians and omnivores in Slovenia.

**European journal of nutrition , Volume: 53 Issue: 4 2014 Jun**

**Authors** Matijašič BB,Obermajer T,Lipoglavšek L,Grabnar I,Avguštin G,Rogelj I

Strict vegetarian diet improves the risk factors associated with metabolic diseases by modulating gut microbiota and reducing intestinal inflammation.

**Environmental microbiology reports , Volume: 5 Issue: 5 2013 Oct**

**Authors** Kim MS,Hwang SS,Park EJ,Bae JW

Role of probiotics in the prevention and treatment of meticillin-resistant *Staphylococcus aureus* infections.

**International journal of antimicrobial agents , Volume: 42 Issue: 6 2013 Dec**

**Authors** Sikorska H,Smoragiewicz W

Probiotic features of two oral *Lactobacillus* isolates.

**Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] , Volume: 43 Issue: 1 2012 Jan**

**Authors** Zavacic G,Petricevic S,Radulovic Z,Begovic J,Golic N,Topisirovic L,Strahinic I

Utilization of major fucosylated and sialylated human milk oligosaccharides by isolated human gut microbes.

**Glycobiology , Volume: 23 Issue: 11 2013 Nov**

**Authors** Yu ZT,Chen C,Newburg DS

In vitro characterization of the impact of selected dietary fibers on fecal microbiota composition and short chain fatty acid production.

**Anaerobe , Volume: 23 2013 Oct**

**Authors** Yang J,Martínez I,Walter J,Keshavarzian A,Rose DJ

Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides.

**The American journal of clinical nutrition , Volume: 98 Issue: 2 2013 Aug**

**Authors** Oozeer R,van Limpt K,Ludwig T,Ben Amor K,Martin R,Wind RD,Boehm G,Knol J

Fiber and prebiotics: mechanisms and health benefits.

**Nutrients , Volume: 5 Issue: 4 2013 Apr 22**

**Authors** Slavin J

Inulin-type fructans with different degrees of polymerization improve lipid metabolism but not glucose metabolism in rats fed a high-fat diet under energy restriction.

**Digestive diseases and sciences , Volume: 58 Issue: 8 2013 Aug**

**Authors** Han KH,Tsuchihira H,Nakamura Y,Shimada K,Ohba K,Aritsuka T,Uchino H,Kikuchi H,Fukushima M

Influence of coffee (*Coffea arabica*) and galacto-oligosaccharide consumption on intestinal microbiota and the host responses.

**FEMS microbiology letters , Volume: 343 Issue: 2 2013 Jun**

**Authors** Nakayama T,Oishi K

Fecal microbial communities of healthy adult dogs fed raw meat-based diets with or without inulin or yeast cell wall extracts as assessed by 454 pyrosequencing.

**FEMS microbiology ecology , Volume: 84 Issue: 3 2013 Jun**

**Authors** Beloshapka AN,Dowd SE,Suchodolski JS,Steiner JM,Duclos L,Swanson KS

In vitro fermentation of commercial α-glucosidase by faecal microbiota from lean and obese human subjects.

**The British journal of nutrition , Volume: 109 Issue: 11 2013 Jun**

**Authors** Sarbini SR,Kolida S,Gibson GR,Rastall RA

The principal fucosylated oligosaccharides of human milk exhibit prebiotic properties on cultured infant microbiota.

**Glycobiology , Volume: 23 Issue: 2 2013 Feb**

**Authors Yu ZT,Chen C,Kling DE,Liu B,McCoy JM,Merighi M,Heidtman M,Newburg DS**

Low iron availability in continuous in vitro colonic fermentations induces strong dysbiosis of the child gut microbial consortium and a decrease in main metabolites.

**FEMS microbiology ecology , Volume: 83 Issue: 1 2013 Jan**

**Authors Dostal A,Fehlbaum S,Chassard C,Zimmermann MB,Lacroix C**

Effect of chito-oligosaccharide on growth performance, intestinal barrier function, intestinal morphology and cecal microflora in weaned pigs.

**Journal of animal science , Volume: 90 Issue: 8 2012 Aug**

**Authors Yang CM,Ferket PR,Hong QH,Zhou J,Cao GT,Zhou L,Chen AG**

Inulin modifies the bifidobacteria population, fecal lactate concentration, and fecal pH but does not influence iron absorption in women with low iron status.

**The American journal of clinical nutrition , Volume: 96 Issue: 2 2012 Aug**

**Authors Petry N,Egli I,Chassard C,Lacroix C,Hurrell R**

Microbiota benefits after inulin and partially hydrolized guar gum supplementation: a randomized clinical trial in constipated women.

**Nutricion hospitalaria , Volume: 27 Issue: 1 2012 Jan-Feb**

**Authors Linetzky Waitzberg D,Alves Pereira CC,Logullo L,Manzoni Jacintho T,Almeida D,Teixeira da Silva ML,Matos de Miranda Torrinhas RS**

Effects of disodium fumarate on ruminal fermentation and microbial communities in sheep fed on high-forage diets.

**Animal : an international journal of animal bioscience , Volume: 6 Issue: 5 2012 May**

**Authors Zhou YW,McSweeney CS,Wang JK,Liu JX**

The antimicrobial action of chitosan, low molar mass chitosan, and chitooligosaccharides on human colonic bacteria.

**Folia microbiologica , Volume: 57 Issue: 4 2012 Jul**

**Authors Simunek J,Brandysová V,Koppová I,Simunek J Jr**

Early administration of probiotic Lactobacillus acidophilus and/or prebiotic inulin attenuates pathogen-mediated intestinal inflammation and Smad 7 cell signaling.

**FEMS immunology and medical microbiology , Volume: 65 Issue: 3 2012 Aug**

**Authors Foye OT,Huang IF,Chiou CC,Walker WA,Shi HN**

Microbial composition and in vitro fermentation patterns of human milk oligosaccharides and prebiotics differ between formula-fed and sow-reared piglets.

**The Journal of nutrition , Volume: 142 Issue: 4 2012 Apr**

**Authors Li M,Bauer LL,Chen X,Wang M,Kuhlenschmidt TB,Kuhlenschmidt MS,Fahey GC Jr,Donovan SM**

Inulin and fructo-oligosaccharides have divergent effects on colitis and commensal microbiota in HLA-B27 transgenic rats.

**The British journal of nutrition , Volume: 108 Issue: 9 2012 Nov 14**

**Authors Koleva PT,Valcheva RS,Sun X,Gänzle MG,Dieleman LA**

Faecal microbiota composition in vegetarians: comparison with omnivores in a cohort of young women in southern India.

**The British journal of nutrition , Volume: 108 Issue: 6 2012 Sep 28**

**Authors Kabeerdoss J,Devi RS,Mary RR,Ramakrishna BS**

A vegan or vegetarian diet substantially alters the human colonic faecal microbiota.

**European journal of clinical nutrition , Volume: 66 Issue: 1 2012 Jan**

**Authors Zimmer J,Lange B,Frick JS,Sauer H,Zimmermann K,Schwierz A,Rusch K,Klosterhalfen S,Enck P**

The effects of iron fortification on the gut microbiota in African children: a randomized controlled trial in Côte d'Ivoire.

**The American journal of clinical nutrition , Volume: 92 Issue: 6 2010 Dec**

**Authors Zimmermann MB,Chassard C,Rohner F,Ngoran EK,Nindjin C,Dostal A,Utzinger J,Ghattas H,Lacroix C,Hurrell RF**

Effect of a multispecies probiotic supplement on quantity of irritable bowel syndrome-related intestinal microbial phylotypes.

**BMC gastroenterology , Volume: 10 2010 Sep 19**

**Authors Lyra A,Krogius-Kurikka L,Nikkilä J,Malinen E,Kajander K,Kurikka K,Korpela R,Palva A**

Dietary cellulose, fructooligosaccharides, and pectin modify fecal protein catabolites and microbial populations in adult cats.

**Journal of animal science , Volume: 88 Issue: 9 2010 Sep**

**Authors Barry KA,Wojcicki BJ,Middelbos IS,Vester BM,Swanson KS,Fahey GC Jr**

Consumption of human milk oligosaccharides by gut-related microbes.

**Journal of agricultural and food chemistry , Volume: 58 Issue: 9 2010 May 12**

**Authors Marcabal A,Barboza M,Froehlich JW,Block DE,German JB,Lebrilla CB,Mills DA**

Feed supplementation of Lactobacillus plantarum PCA 236 modulates gut microbiota and milk fatty acid composition in dairy goats—a preliminary study.

**International journal of food microbiology , Volume: 141 Suppl 1 2010 Jul 31**

**Authors Maragkoudakis PA,Mountzouris KC,Rosu C,Zoumpopoulou G,Papadimitriou K,Dalaka E,Hadjipetrou A,Theofanous G,Strozzi GP,Carlini N,Zervas G,Tsakalidou E**

In vitro effects of selected synbiotics on the human faecal microbiota composition.

**FEMS microbiology ecology , Volume: 66 Issue: 3 2008 Dec**

**Authors Saulnier DM,Gibson GR,Kolida S**

Baseline microbiota activity and initial bifidobacteria counts influence responses to prebiotic dosing in healthy subjects.

**Alimentary pharmacology & therapeutics , Volume: 27 Issue: 6 2008 Mar 15**

**Authors de Preter V,Vanhoutte T,Huys G,Swings J,Rutgeerts P,Verbeke K**

Evaluation of fermentable oligosaccharides in diets fed to dogs in comparison to fiber standards.

**Journal of animal science , Volume: 85 Issue: 11 2007 Nov**

**Authors Middelbos IS,Fastinger ND,Fahey GC Jr**

Jerusalem artichoke and chicory inulin in bakery products affect faecal microbiota of healthy volunteers.

**The British journal of nutrition , Volume: 98 Issue: 3 2007 Sep**

**Authors Kleessen B,Schwarz S,Boehm A,Fuhrmann H,Richter A,Henle T,Krueger M**

Final report on the safety assessment of capsicum annuum extract, capsicum annuum fruit extract, capsicum annuum resin, capsicum annuum fruit powder, capsicum frutescens fruit, capsicum frutescens fruit extract, capsicum frutescens resin, and capsaicin.

**International journal of toxicology , Volume: 26 Suppl 1 2007**

**Authors**

Supplementation of baby formula with native inulin has a prebiotic effect in formula-fed babies.

**Asia Pacific journal of clinical nutrition , Volume: 16 Issue: 1 2007**

**Authors Kim SH,Lee DH,Meyer D**

Molecular monitoring of the fecal microbiota of healthy human subjects during administration of lactulose and Saccharomyces boulardii.

**Applied and environmental microbiology , Volume: 72 Issue: 9 2006 Sep**

**Authors Vanhoutte T,De Preter V,De Brandt E,Verbeke K,Swings J,Huys G**

Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants.

**Acta paediatrica (Oslo, Norway : 1992). Supplement , Volume: 94 Issue: 449 2005 Oct**

**Authors Knol J,Boehm G,Lidestri M,Negretti F,Jelinek J,Agosti M,Stahl B,Marini A,Mosca F**

Effects of bifidobacterium breve supplementation on intestinal flora of low birth weight infants.

**Pediatrics international : official journal of the Japan Pediatric Society , Volume: 46 Issue: 5 2004 Oct**

**Authors Li Y,Shimizu T,Hosaka A,Kaneko N,Ohtsuka Y,Yamashiro Y**

Contribution of acetate to butyrate formation by human faecal bacteria.

**The British journal of nutrition , Volume: 91 Issue: 6 2004 Jun**

**Authors Duncan SH,Holtrop G,Lobley GE,Calder AG,Stewart CS,Flint HJ**

Lactulose ingestion increases faecal bifidobacterial counts: a randomised double-blind study in healthy humans.

**European journal of clinical nutrition , Volume: 58 Issue: 3 2004 Mar**

**Authors Bouhnik Y,Attar A,Joly FA,Riottot M,Dyard F,Flourié B**

Enteral feeding of premature infants with Saccharomyces boulardii.

**Early human development , Volume: 74 Issue: 2 2003 Nov**

**Authors Costalos C,Skouteri V,Gounaris A,Sevastiadou S,Triandafyllidou A,Ekonomidou C,Kontaxaki F,Petrochilou V**

Culture-independent microbial community analysis reveals that inulin in the diet primarily affects previously unknown bacteria in the mouse cecum.

**Applied and environmental microbiology , Volume: 68 Issue: 10 2002 Oct**

**Authors Apajalahti JH,Kettunen H,Kettunen A,Holben WE,Nurminen PH,Rautonen N,Mutanen M**

Improvement of the probiotic effect of micro-organisms by their combination with maltodextrins, fructo-oligosaccharides and polyunsaturated fatty acids.

**The British journal of nutrition , Volume: 88 Suppl 1 2002 Sep**

**Authors Bomba A,Nemcová R,Gancarcíková S,Herich R,Guba P,Mudronová D**

Enrichment of bifidobacteria in the hen caeca by dietary inulin.

**Folia microbiologica , Volume: 46 Issue: 1 2001**

**Authors Rada V,Dusková D,Marounek M,Petr J**

Suppressive effects of bifidobacteria on lipid peroxidation in the colonic mucosa of iron-overloaded mice.

**Journal of dairy science , Volume: 84 Issue: 7 2001 Jul**

**Authors Ito M,Sawada H,Ohishi K,Yoshida Y,Yokoi W,Watanabe T,Yokokura T**

Saccharomyces boulardii stimulates slgA production and the phagocytic system of gnotobiotic mice.

**Journal of applied microbiology , Volume: 89 Issue: 3 2000 Sep**

**Authors Rodrigues AC,Cara DC,Fretez SH,Cunha FQ,Vieira EC,Nicoli JR,Vieira LQ**

Fermentation of plant cell wall derived polysaccharides and their corresponding oligosaccharides by intestinal bacteria.

**Journal of agricultural and food chemistry , Volume: 48 Issue: 5 2000 May**

**Authors Van Laere KM,Hartemink R,Bosveld M,Schols HA,Voragen AG**

Continuous culture selection of bifidobacteria and lactobacilli from human faecal samples using fructooligosaccharide as selective substrate.

**Journal of applied microbiology , Volume: 85 Issue: 4 1998 Oct**

**Authors Sghir A,Chow JM,Mackie RI**

Health benefits of non-digestible oligosaccharides.

**Advances in experimental medicine and biology , Volume: 427 1997**

**Authors Roberfroid MB**

Effects of lactulose and lactitol on colonic microflora and enzymatic activity.

**Scandinavian journal of gastroenterology. Supplement , Volume: 222 1997**

**Authors Ballongue J,Schumann C,Quignon P**

Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture.

**FEMS microbiology letters , Volume: 118 Issue: 1-2 1994 May 1**

**Authors Gibson GR,Wang X**

Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin.

**Gastroenterology , Volume: 108 Issue: 4 1995 Apr**

**Authors Gibson GR,Beatty ER,Wang X,Cummings JH**

The fermentation of lactulose by colonic bacteria.

**Journal of general microbiology , Volume: 128 Issue: 2 1982 Feb**

**Authors Sahota SS,Bramley PM,Menzies IS**

Influence of different dietary regimens upon the composition of the human fecal flora.

**Progress in food & nutrition science , Volume: 7 Issue: 3-4 1983**

**Authors Noack-Loebel C,Küster E,Rusch V,Zimmermann K**

Diet and faecal flora in the newborn: iron.

**Archives of disease in childhood , Volume: 66 Issue: 12 1991 Dec**

**Authors Balmer SE,Wharton BA**

Curated database of commensal, symbiotic and pathogenic microbiota

**Generative Bioinformatics , Volume: Issue: 2014 Jun**

**Authors D'Adamo Peter**

## Additional APriori Analysis Available

Available at: <https://microbiomeprescription.com/Library/PubMed>

Abdominal Aortic Aneurysm

Acne

Addison's Disease (hypocortisolism)

ADHD

Age-Related Macular Degeneration and Glaucoma

Allergic Rhinitis (Hay Fever)

Allergies

Allergy to milk products

Alopecia (Hair Loss)

Alzheimer's disease

Amyotrophic lateral sclerosis (ALS) Motor Neuron

Ankylosing spondylitis

Anorexia Nervosa

Antiphospholipid syndrome (APS)

Asthma

Atherosclerosis

Atrial fibrillation

Autism

Autoimmune Disease

Barrett esophagus cancer

benign prostatic hyperplasia  
Biofilm  
Bipolar Disorder  
Brain Trauma  
Breast Cancer  
Cancer (General)  
Carcinoma  
cdkl5 deficiency disorder  
Celiac Disease  
Cerebral Palsy  
Chronic Fatigue Syndrome  
Chronic Kidney Disease  
Chronic Lyme  
Chronic Obstructive Pulmonary Disease (COPD)  
Chronic Urticaria (Hives)  
Coagulation / Micro clot triggering bacteria  
Cognitive Function  
Colorectal Cancer  
Constipation  
Coronary artery disease  
COVID-19  
Crohn's Disease  
Cushing's Syndrome (hypercortisolism)  
cystic fibrosis  
d-Haptic acidosis (one form of brain fog)  
deep vein thrombosis  
Denture Wearers Oral Shifts  
Depression  
Dermatomyositis  
Eczema  
Endometriosis  
Eosinophilic Esophagitis  
Epilepsy  
erectile dysfunction  
Fibromyalgia  
Food Allergy  
Functional constipation / chronic idiopathic constipation  
gallstone disease (gsd)  
Gastroesophageal reflux disease (Gerd) including Barrett's esophagus  
Generalized anxiety disorder  
giant cell arteritis  
Glioblastoma  
Gout  
Graves' disease  
Gulf War Syndrome  
Halitosis  
Hashimoto's thyroiditis  
Heart Failure  
hemorrhagic stroke  
Hemorrhoidal disease, Hemorrhoids, Piles  
Hidradenitis Suppurativa  
High Histamine/low DAO  
hypercholesterolemia (High Cholesterol)  
hyperglycemia  
Hyperlipidemia (High Blood Fats)  
hypersomnia  
hypertension (High Blood Pressure)  
Hypothyroidism

Hypoxia  
IgA nephropathy (IgAN)  
Inflammatory Bowel Disease  
Insomnia  
Intelligence  
Intracranial aneurysms  
Irritable Bowel Syndrome  
ischemic stroke  
Juvenile idiopathic arthritis  
Liver Cirrhosis  
Long COVID  
Low bone mineral density  
Lung Cancer  
Lymphoma  
Mast Cell Issues / mastitis  
ME/CFS with IBS  
ME/CFS without IBS  
membranous nephropathy  
Menopause  
Metabolic Syndrome  
Mood Disorders  
multiple chemical sensitivity [MCS]  
Multiple Sclerosis  
Multiple system atrophy (MSA)  
myasthenia gravis  
neuropathic pain  
Neuropathy (all types)  
neuropsychiatric disorders (PANDAS, PANS)  
Nonalcoholic Fatty Liver Disease (nafld) Nonalcoholic  
NonCeliac Gluten Sensitivity  
Obesity  
obsessive-compulsive disorder  
Osteoarthritis  
Osteoporosis  
pancreatic cancer  
Parkinson's Disease  
Peanut Allergy  
Polycystic ovary syndrome  
Postural orthostatic tachycardia syndrome  
Premenstrual dysphoric disorder  
primary biliary cholangitis  
Primary sclerosing cholangitis  
Psoriasis  
rheumatoid arthritis (RA),Spondyloarthritis (SpA)  
Rosacea  
Schizophrenia  
scoliosis  
sensorineural hearing loss  
Sjögren syndrome  
Sleep Apnea  
Slow gastric motility / Gastroparesis  
Small Intestinal Bacterial Overgrowth (SIBO)  
Stress / posttraumatic stress disorder  
Systemic Lupus Erythematosus  
Tic Disorder  
Tourette syndrome  
Type 1 Diabetes  
Type 2 Diabetes

**Ulcerative colitis**

**Unhealthy Ageing**

**Vitiligo**