

Microbiome Information for: hemorrhagic stroke

For 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 has found that symptoms and symptom severity has strong associations to the microbiome for many conditions. Correcting the microbiome dysfunction is beleived 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 individuals 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 in received.

In the USA

Ombre (<https://www.ombrelab.com/>)

Thome (<https://www.thome.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

[Our Facebook Discussion Page](#)

Bacteria being reported because of atypical values.

These bacteria were reported atypical in studies of hemorrhagic stroke

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
Clostridia	class	Low		186801	Catenibacterium	genus	High		135858
Methanobacteria	class	High		183925	Dorea	genus	High		189330
Acidaminococcaceae	family	High		909930	Eisenbergiella	genus	High		1432051
Lachnospiraceae	family	High		186803	Fusobacterium	genus	High		848
Methanobacteriaceae	family	High		2159	Hungatella	genus	High		1649459
Rikenellaceae	family	Low		171550	Parabacteroides	genus	High		375288
Alistipes	genus	High		239759	Eubacteriales	order	Low		186802
Atopobium	genus	High		1380	Methanobacteriales	order	High		2158
					Rhodospirillales	order	High		204441

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.

Antibiotics annotated with [CFS] have been used with various degree of success with Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, Chronic Lyme, Chronic Q-Fever and Long COVID conditions. Rotation of antibiotics with 3 weeks off between courses is recommended.

5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-

a]quinolizinium {Berberine} 1.5 gram/day

(2->1)-beta-D-fructofuranan {Inulin} 32 gram/day

bifidobacterium

bifidobacterium longum {B.Longum} 10 BCFU/day

dietary fiber

Hordeum vulgare {Barley} 60 gram/day

Lactocaseibacillus casei {L. casei} 48 BCFU/day

Lactocaseibacillus rhamnosus {L. rhamnosus} 48 BCFU/day

Lactobacillus plantarum {L. plantarum} 60 BCFU/day

long-term, moderate-intensity exercise {exercise}

resistant starch

Rheum x hybridum {Rhubarb}

Slow digestible carbohydrates. {Low Glycemic}

β-glucan {Beta-Glucan} 500 mg/day

wheat

Retail Probiotics

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

fürstenmed / lacto-bifido
theramedix / probiotic
newrhythm / probiotics 20 stains
Lake Avenue Nutrition / Probiotics 10 Strain Blend
ASEA VIA / BIOME
HLH BIOPHARMA(DE) / LACTOBACT ® PREMIUM
udo's choice /super 8 gold
Krauterhaus / Lactopro
Advanced Bio-Cultures / Advance Multi Strain Probiotics
elixa / probiotic
renew life / ultimate flora
up4 / ultra
Bioflora (Mx) / BIOFLORA / 30 BILLION 10 strains
bioray / cytoflora
bioglan bio (au) / happy probiotic 100
Global Healing Center / FloraTrex
garden of life / primal defense
SuperSmart / Full Spectrum Probiotic Formula
quantum wellness / restora flora
vita miracle / ultra-30 probiotics
HLH BIOPHARMA(DE) / LACTOBACT ® 60PLUS
Next Generation
Northwest Natural Products / PB8
naturopathica (au) / gastrohealth probiotic dairy free 50 billion
Physician Choice /60 Billion Probiotics
seed / female version
1 md / complete probiotics platinum
MegaFood / MegaFlora
organic 3 / primal gut
Dr. Mercola / Complete Probiotics
Garden of Life / Dr. Formulated Once Daily Women's
Physis / Advance Probiotics
hyperbiotics / pro-15
nature's way (au) / restore probiotic 100 billion
seed / male version
solaray / mycrobioime probiotic colon formula
lifted naturals / mood boosting probiotic
bioglan bio (au) / happy probiotic 50
NOW FOODS / Clinical GI Probiotic
vinco / probiotic eight 65
fairvital / microflora basic
Wakunaga / Max Probiotic
OMNI-BIOTIC®/ TRAVEL
young living/life 9
SuperSmart / Derma Relief
jarrow formulas / jarro-dophilus® ultra
Bromatech (IT) / Serobiome
Thryve Inside/ L.Reu,Rham,Casi; B.Lactis
OMNI-BIOTIC®/ 10 AAD
Probiotic 10 Billion Active Cells Daily Maintenance
renew life men's probiotic - ultimate
jarrow formulas / jarro-dophilus eps
7 AM Ultra Probiotics
nature's way (au) /restore probiotic bowel & colon health 30s

visbiome
douglas laboratories / multi probiotic 40 billion
Ombre / Mood Enhancer
SuperSmart / Lactoxira
LiveWell Nutrition / Pro-45
naturopathica (au) / gastrohealth probiotic ultimate daily care 100billion
jarrow formula / jarro-dophilus original
Wholesome Wellness / Raw Probiotic
Swiss BioEnergetics / Full Spectrum Probiotic Defence
bio-k+
probiotic pur (de) / realdose nutrition
Windlove Probiotics / Ecologic®825
SuperSmart / Candalb
custom probiotics / four strain lactobacilli
Bromatech(IT) / FEMELLE
zint nutrition / probiotic collagen +
Smidge / Sensitive Probiotic
up4 / adult
jamieson (can) / probiotic 10 bcfu
spain (es) / vivomixx
Bromatech (IT) / Lautoselle
naturopathica (au) / gastrohealth probiotic adults 50+
Realdose
ProbioMax® Daily DF
Resbiotic / resB® Lung Support
blackmore (au) / probiotics+ eczema relief
SuperSmart / Vaginal Health
Wakunaga / Kyo-Dophilus® Multi 9 Probiotic
custom probiotics / d-lactate free probiotics powder
Sash Vitality / Bio-Cultures Probiotics for Adults
Seeking Health / Probiota HistaminX
bravo europe / starter and complex
optibac / for every day
jarrow formula / ideal bowel support® lp299v®
SuperSmart / Probio Forte
organic 3 / gutpro
up4 / women's
just for tummies / live bacteria
biospec / probiotic-5
SuperSmart / Oral Health
Ombre / Healthy Gut
custom probiotics / six strain probiotic powder
naturopathica (au) / gastrohealth probiotic dairy free 20 bcfu
CVSHealth / Daily Probiotic
Ombre / Heart Health
Symprove™
Bioflora(MX) / Woman
nature's bounty / probioti 10
Invivo / Bio.Me Femme UT
Ombre / Metabolic Booster
jarrow formulas / jarro-dophilus mood
Wakunaga / Pro+ Synbiotic
naturopathica (au) / gastrohealth probiotic daily care
cytoplan(uk) / dentavital bifidophilus
CustomProbiotics.com / B. Longum Probiotic Powder
HLH BIOPHARMA(DE) / LACTOBACT® LDL-CONTROL
Maple Life Science™ / Lactobacillus plantarum
Purica Probiotic Cardio

ecology_allergycare
PrecisionBiotics / Immune
Genesis Bifidobacterium Complex BB Probiotic
blackmore (au) / probiotics+ daily health
Bromatech (IT) / Ramnoselle
Floradapt Cardio
HLH BIOPHARMA(DE) / LACTOBACT ® OMNI FOS
Biorela® Daily
naturopathica (au) / gastrohealth women's probiotic with cranberry
spain (es) / ns florabiotic instant
optibac / for women
jarrow formulas / fem-dophilus®
nature's way (au) / restore probiotic 30 billion 30s
blackmore (au) / probiotics+ bowel support
PharmExtracta (IT) / INatal Sachets
Probiotic Sticks
NaturalPharma / Profit Probiotics
Bio Schwartz / Advance Strength Probiotics (40 BCFU)
UltraFlora® Intensive Care
Sanogermina / AB-Kolicare
Bromatech (IT) / Adomelle
UltraFlora® Immune Booster
InnovixLabs / Mood Probiotic
klaire labs / ther-biotic factor 4
goodbelly drink
Bulk Probiotics / L. Rhamnosus Probiotic Powder
Microbiome Labs / ZENBIOME Dual
canada (ca) / calmbiotic
Jetson (US) / Mood Probiotics
Bulk Probiotics / L. Casei Probiotic Powder (Candida Support)
Bromatech (IT) / Citogenex
ImmuneBiotech Medical Sweden AB / GutMagnific®
PoolPharma (IT) / ProbioTKMIO
Wakunaga / 50+
PharmExtracta (IT) / Gliadines buccal stickpacks
ISCON Elegance/ Ochek Capsule 10
HMF Metabolic
blackmores (au) / probiotics+ immune defence
CustomProbiotics.com / L. Plantarum Probiotic Powder
Nu U (uk) / Bio-Cultures Complex
RepHresh / Pro-B Probiotic Supplement for Women
Ombre / Harmony
blackmore (au) / probiotics+ womens flora balance
bravo europe / freeze-dried bravo
Wakunaga / Daily Probiotic
wakamoto (jp) / wakamoto pharmaceutical intestinal drug
custom probiotics / five strain bifidobacteria
Bromatech (IT) / Bifiselle
Ombre / Endless Energy
CustomProbiotics.com / L. Rhamnosus Probiotic Powder
klaire labs / target gb-x
spain (es) / ns defenbiotic kids
naturopathica (au) / gastrohealth fibrepro
philips / colon health
ferring / vsl#3
Align / Align® Chewables
SuperSmart / Lactobacillus Plantarum Postbiotic (Pasturized)
JGL / Lactogyn

Align® Extra Strength
Floradapt Gut Comfort
optibac / for your cholesterol
jarrow formulas / bifidus balance® + fos
Nature's Lab Intensive GI
Schwabe Pharma Italia / MegaStress
Metabolics / Lactobacillus Rhamnosus Powder
HLH BIOPHARMA(DE) / LACTOBACT ® AAD
jarrow formulas / fem dophilus
Purica Probiotic Intensive GI
optibac / for those on antibiotics
Bulk Probiotics / L. Plantarum Probiotic Powder
spain (es) / I3.1
Ombre / Restore
Bromatech (IT) / Psicobrain
spain (es) / aquilea intimus
PrecisionBiotics / Zenflore
PharmExtracta / Bowell
CustomProbiotics.com / L. Casei Probiotic Powder
nature's way (au) / restore probiotic daily health 90s
Metabolics / Lactobacillus Plantarum Powder
Nature's Lab Cardio
Jetson (US) / Immunity Probiotics
align / align
Ombre / Ultimate Immunity
Seeking Health / Probiota Bifidobacterium
ProGoes® Forte
Metabolics / Bifidobacterium Longum Powder
Pregnancy Care Probiotic
Bulk Probiotics / B. Longum Probiotic Powder
Maple Life Science™ / Bifidobacterium longum
spain (es) / muvagyn probiotico
blackmores (au) / probiotics + adults daily (90 capsules)
Bromatech (IT) / Rotanella plus
Immune Defense Daily Chewable 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.

3,4-dihydroxyphenyllactic acid {Rosmarinic acid}

acetylsalicylic acid,aspirin

amoxicillin [CFS]

azithromycin,[CFS]

Below normal temperature {Cold exposure}

candida albicans (prescription)

clindamycin [CFS]

colostrum

Crataegus {Hawthorn}

D-glucose {Glucose}

Garcinia mangostana {Mangosteen}

grapes

henopodium quinoa {Quinoa}

hypocaloric hyperproteic diet

loperamide hydrochloride,(prescription)

metronidazole [CFS]

olive oil {olive oil}

omidazole

resveratrol-pterostilbene x Quercetin {quercetin x resveratrol}

rifaximin

risperidone,(prescription)

terpenophenolics {cannabinoids}

Thiamine {Vitamin B1}

Sample of Literature Used

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

Investigating the role of gut microbiota in hemorrhagic stroke: Evidence from causal analysis.

Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association , Volume: 34 Issue: 1 2025 Jan

Authors Li J,Zang C,Li P,Sheng D,Xiao Z,Xiao B,Xia J,Zhou L

Uncovering the characteristics of the gut microbiota in patients with ischemic stroke and hemorrhagic stroke.

Scientific reports , Volume: 14 Issue: 1 2024 May 23

Authors Chen YZ,Huang ZY,Zhou WW,Li ZY,Li XP,Chen SS,Ma JK

The causal effects between gut microbiota and hemorrhagic stroke: a bidirectional two-sample Mendelian randomization study.

Frontiers in microbiology , Volume: 14 2023

Authors Shen Y,Liu H,Meng X,Gao A,Liu Y,Ma W,Liang H,Hu F

Regulatory effects of berberine on intestinal microecology in mice with ulcerative colitis.

Frontiers in microbiology , Volume: 16 2025

Authors Xu X,Zhao B,Liu P,Tang X,Lai Z,Song N,Cheng J

Lactiplantibacillus plantarum Lp20 Alleviates High Fat Diet-Induced Obesity in Mice via Its Bile Salt Hydrolase Activity.

Nutrients , Volume: 17 Issue: 22 2025 Nov 14

Authors Bai X,Lu F,Jing Y,Wang H,Qian H,Zhang M,Zhai Z,Hao Y

Dietary fiber modulates gut microbiota and lipid metabolism ameliorating Alzheimer's pathology in 5xFAD mice.

Scientific reports , Volume: 15 Issue: 1 2025 Nov 26

Authors Zhao Y,Taylor CM,Lukiw WJ,Bazan NG

Depending on intensity, exercise improved or worsened pathology in a model of prodromal Parkinson's disease.

NPJ Parkinson's disease , Volume: 11 Issue: 1 2025 Nov 23

Authors Baldauf L,Feja M,Stanojlovic M,Strowig T,Visscher C,Schaeffer E,Berg D,Hankel J,Richter F

Unveiling the survivability of probiotic CA15 strain with and without fluconazole co-administration and its effect on gut microbiota and metabolome through SHIME® model.

Food research international (Ottawa, Ont.) , Volume: 222 Issue: Pt 2 2025 Dec

Authors Vaccalluzzo A,Celano G,Calabrese FM,Pino A,Caggia C,De Angelis M,Randazzo CL

Postbiotic delivery via alginate encapsulation alleviates DSS-induced colitis by modulating gut microbiota and SCFA-mediated immune signaling.

Food research international (Ottawa, Ont.) , Volume: 221 Issue: Pt 3 2025 Dec

Authors Yu Q,Zhu J,Huang M,Bai J,Zhu Y,Zhao Y,Yang Y,Xiao X

Bifidobacterium longum supplementation prevents intestinal inflammation and cognitive impairment in sleep-deprived mice by modulating clock gene expression.

Food & function , 2025 Nov 10

Authors Huang L,Li X,Guo M,Lu W,Zhao J,Xiao Y,Chen W

Aerobic exercise and gut flora: a key link to improved cognitive impairment in mice with Parkinson's disease.

Frontiers in aging neuroscience , Volume: 17 2025

Authors Shan WP,Yan SL,Guo YY,Yang HK,Wang JC,Xiang J

Effect of Lactiplantibacillus plantarum LPJZ-658 on caecum microbiota and serum metabolomics of Luhua broiler.

Frontiers in microbiology , Volume: 16 2025

Authors Li M,Liu Z,Chen C,Liu Z,Liu L

Lactiplantibacillus plantarum MTCC 25433 and Quercetin Blend Ameliorate Benzo[a]pyrene-Induced Gut Dysregulation in a Murine Model.

Current microbiology , Volume: 82 Issue: 9 2025 Aug 4

Authors Goyal SP,Chandratre GA,Rawat A,Kondepudi KK,Badgujar PC,Saravanan C

Multi-omics analyses the effect of Bifidobacterium longum subsp. longum BL21 supplementation on overweight and obese subjects: a randomized, double-blind, placebo-controlled study.

Nutrition & metabolism , Volume: 22 Issue: 1 2025 Jul 17

Authors Wang X,Xing Z,Wang R,Zhang G,Liu G,Li Z,Li L

Synbiotic Administration of d-Tagatose and Lactocaseibacillus casei ATCC 393 Improves Hyperlipidemia in BALB/c Mice by Modulating Gut Microbiota and Metabolic Parameters.

Food science & nutrition , Volume: 13 Issue: 7 2025 Jul

Authors Cavdar M,Nogay NH,Dincer E,Karabulut D,Onal MG,Bolat S

Lactobacillus rhamnosus LRa05 Alleviates Constipation via Triaxial Modulation of Gut Motility, Microbiota Dynamics, and

SCFA Metabolism**Foods (Basel, Switzerland) , Volume: 14 Issue: 13 2025 Jun 28**

Authors Zhang J,Li Q,Liu S,Wang N,Song Y,Wu T,Zhang M

Effects of Dietary Ratio of Insoluble Fiber to Soluble Fiber on Reproductive Performance, Biochemical Parameters, and Fecal Microbial Composition of Gestating Sows.**Animals : an open access journal from MDPI , Volume: 15 Issue: 13 2025 Jun 23**

Authors Wen X,Wu Q,Gao K,Yang X,Xiao H,Jiang Z,Wang L

Prebiotic potential of wheat and dark rye: modulation of gut microbiota and short-chain fatty acid-producing bacteria.**Food science and biotechnology , Volume: 34 Issue: 11 2025 Jul**

Authors Kim J,Kim J,Kim G,Kim S,Shin H

Effects of Exercise on Gut Microbiome and Serum Metabolomics in Post-Traumatic Osteoarthritis Rats.**Metabolites , Volume: 15 Issue: 5 2025 May 20**

Authors Hao X,Shang X,Zhang Y,Hou W,Chi R,Pan C,Liu J,Deng X,Zhang J,Xu T

Impact of probiotic Lactobacillus plantarum GKM3 on gastrointestinal health in overweight and obese individuals: A randomized clinical trial.**Clinical nutrition ESPEN , Volume: 68 2025 May 16**

Authors Tsai YS,Lin XB,Lin SW,Chen YL,Hsu CL,Chen CC

Barley polysaccharides modulate metabolic and mild cognitive impairment in naturally aging mice through the liver-gut-brain axis.**International journal of biological macromolecules , 2025 May 6**

Authors Fan M,Jiang Y,Cai C,Wang Z,Chen L,Zhang X,Yin H,Hu S,Liu J,Qian Z,Huang S

Buckwheat resistant starch alleviates hyperlipidaemia in mice by inhibiting lipid accumulation and regulating gut microbiota.**International journal of biological macromolecules , 2025 Apr 22**

Authors Tao J,Chen Z,Xie Q,Bai H,Li Z,Jia Y,Zhang X,Xiao Y,Bu T,Yuan M,Li Q,Tang Z

 β -Glucan Alone or Combined with Lactobacillus acidophilus Positively Influences the Bacterial Diversity and Metabolites in the Colonic Microbiota of Type II Diabetic Patients.**Probiotics and antimicrobial proteins , 2025 Feb 26**

Authors Clementino JR,de Oliveira LIG,Salgado MK,de Oliveira FL,Mesa V,Tavares JF,Silva-Pereira L,Raimundo BVB,Oliveira KC,Medeiros AI,Silva FA,Sivieri K,Magnani M

Gut microbiota modulation and inflammation mitigation in a murine model through a hull-less and purple grain barley genotype.**Food & function , 2025 Feb 25**

Authors Cortijo-Alfonso ME,Laghuaouta H,Pena RN,Martínez M,Yuste S,Rubió-Piqué L,Piñol-Felis C

Oat Beta-Glucans Modulate the Gut Microbiome, Barrier Function, and Immune Responses in an In Vivo Model of Early-Stage Colorectal Cancer.**International journal of molecular sciences , Volume: 25 Issue: 24 2024 Dec 19**

Authors Guzowska M,Dziendzikowska K,Kopiasz L,Gajewska M,Wilczak J,Harasym J,Czerwinska M,Gromadzka-Ostrowska J

Gut microbiota involvement in the effect of water-soluble dietary fiber on fatty liver and fibrosis.**Bioscience of microbiota, food and health , Volume: 44 Issue: 1 2025**

Authors Sato S,Iino C,Chinda D,Sasada T,Soma G,Tateda T,Furusawa K,Yoshida K,Sawada K,Mikami T,Nakaji S,Sakuraba H,Fukuda S

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

Oral administration of Bifidobacterium longum and Bifidobacterium infantis ameliorates cefcapene pivoxil-induced attenuation of anti-programmed cell death protein-1 antibody action in mice.**Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie , Volume: 182 2025 Jan**

Authors Funayama E,Hosonuma M,Tajima K,Isobe J,Baba Y,Murayama M,Narikawa Y,Toyoda H,Tsurui T,Maruyama Y,Sasaki A,Amari Y,Yamazaki Y,Nakashima R,Uchiyama J,Nakano R,Shida M,Sasaki A,Udaka Y,Oguchi T,Sambe T,Kobayashi S,Tsuji M,Kiuchi Y,Kim YG,Wada S,Tsunoda T,Akiyama M,Nobe K,Kuramasu A,Yoshimura K

Gut Microbiota: Association with Fiber Intake, Ultra-Processed Food Consumption, Sex, Body Mass Index, and Socioeconomic Status in Medical Students.**Nutrients , Volume: 16 Issue: 23 2024 Dec 9**

Authors Moreno-Altamirano L,Robles-Rivera K,Castelán-Sánchez HG,Vaca-Paniagua F,Iñárritu Pérez MDC,Hernández-Valencia SE,Cruz-Casarrubias C,García-García JJ,Ruiz de la Cruz M,Martínez-Gregorio H,Díaz Velásquez CE,Soto-Estrada G,Navarro-Ocaña A,Carrillo-Medina S

Clinical Efficacy of Probiotics for Allergic Rhinitis: Results of an Exploratory Randomized Controlled Trial.**Nutrients** , Volume: 16 Issue: 23 2024 Nov 30

Authors Lungaro L,Malfa P,Manza F,Costanzini A,Valentini G,Squarzanti DF,Viciani E,Velichevskaya A,Castagnetti A,Barbalinardo M,Gentili D,Cariani A,Ghisellini S,Caputo F,De Giorgio R,Caio G

Lactocaseibacillus rhamnosus LRa05 alleviates cyclophosphamide-induced immunosuppression and intestinal microbiota disorder in mice.**Journal of food science** , Volume: 89 Issue: 12 2024 Dec

Authors Zhu M,Yang L,Kong S,Bai Y,Zhao B

Protective effects of insoluble dietary fiber from cereal bran against DSS-induced chronic colitis in mice: From inflammatory responses, oxidative stress, intestinal barrier, and gut microbiota.**International journal of biological macromolecules** , Volume: 283 Issue: Pt 2 2024 Dec

Authors Li M,Wang Q,Niu M,Yang H,Zhao S

Timing Matters: Late, but Not Early, Exercise Training Ameliorates MASLD in Part by Modulating the Gut-Liver Axis in Mice.**Journal of pineal research** , Volume: 76 Issue: 8 2024 Dec

Authors Kovynev A,Ying Z,Zhang S,Olgjati E,Lambooi JM,Visentin C,Guigas B,Ducarmon QR,Rensen PCN,Schönke M

Advantageous effects of rumen-protected phytonutrients from tropical plant extracts on rumen fermentation efficiency and methane mitigation using in vitro fermentation technique.**Animal bioscience** , 2024 Oct 28

Authors Matra M,Suriyapha C,Dagaew G,Prachumchai R,Phupaboon S,Sommai S,Wanapat M

Berberine alleviates ETEC-induced intestinal inflammation and oxidative stress damage by optimizing intestinal microbial composition in a weaned piglet model.**Frontiers in immunology** , Volume: 15 2024

Authors Wang Y,Zhang Z,Du M, Ji X,Liu X,Zhao C,Pang X,Jin E,Wen A,Li S,Zhang F

Impacts of Whole-Grain Soft Red, Whole-Grain Soft White, and Refined Soft White Wheat Flour Crackers on Gastrointestinal Inflammation and the Gut Microbiota of Adult Humans.**Biology** , Volume: 13 Issue: 9 2024 Aug 30

Authors Kinney GA,Haddad EN,Gopalakrishnan N,Sugino KY,Garrow LS,Ng PKW,Comstock SS

Lactobacillus plantarum alleviates high-fat diet-induced obesity by altering the structure of mice intestinal microbial communities and serum metabolic profiles.**Frontiers in microbiology** , Volume: 15 2024

Authors Zhu J,Liu X,Liu N,Zhao R,Wang S

The Effects of Aspirin Intervention on Inflammation-Associated Lingual Bacteria: A Pilot Study from a Randomized Clinical Trial.**Microorganisms** , Volume: 12 Issue: 8 2024 Aug 7

Authors Onyeaghala GC,Sharma S,Oyenuga M,Staley CM,Milne GL,Demmer RT,Shaukat A,Thyagarajan B,Straka RJ,Church TR,Prizment AE

Gut microbiome related to metabolic diseases after moderate-to-vigorous intensity exercise.**Journal of exercise science and fitness** , Volume: 22 Issue: 4 2024 Oct

Authors Yun S,Seo Y, Lee Y, Lee DT

Role and mechanism of Lactobacillus casei in the modulation of alcohol preference in mice.**International immunopharmacology** , Volume: 141 2024 Nov 15

Authors Li Y,Yang J,Guo L

Dietary Polycan, a β -glucan originating from Aureobasidium pullulansSM-2001, attenuates high-fat-diet-induced intestinal barrier damage in obese mice by modulating gut microbiota dysbiosis.**Food science & nutrition** , Volume: 12 Issue: 8 2024 Aug

Authors Ko GP,Unno T,Kim YS,Kim J

Lactocaseibacillus casei IB1 Alleviates DSS-Induced Inflammatory Bowel Disease by Regulating the Microbiota and Restoring the Intestinal Epithelial Barrier.**Microorganisms** , Volume: 12 Issue: 7 2024 Jul 6

Authors Lao J,Yan S,Yong Y,Li Y,Wen Z,Zhang X,Ju X,Li Y

The Contrasting Effects of Two Distinct Exercise Training Modalities on Exhaustive Exercise-Induced Muscle Damage in Mice May Be Associated with Alterations in the Gut Microbiota.**International journal of molecular sciences** , Volume: 25 Issue: 14 2024 Jul 17

Authors Zhang Y,Wang C,Lang H,Yu H,Zhou M,Rao X,Zhang Q,Yi L,Zhu J,Mi M

Effects of Lactiplantibacillus plantarum CCFM1214 and Ligilactobacillus 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

Aging Modulates the Effect of Dietary Glycemic Index on Gut Microbiota Composition in Mice.**The Journal of nutrition** , Volume: 154 Issue: 9 2024 Sep

Authors Zhu Y,Yeo EN,Smith KM,Greenberg AS,Rowan 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

Effect of Lactacaseibacillus casei LC2W Supplementation on Glucose Metabolism and Gut Microbiota in Subjects at High Risk of Metabolic Syndrome: A Randomized, Double-blinded, Placebo-controlled Clinical Trial.**Probiotics and antimicrobial proteins** , 2024 Jul 2

Authors Wang D,Wang X,Han J,You C,Liu Z,Wu Z

The Effects of Crataegus pinnatifida and Wolfiporia extensa Combination on Diet-Induced Obesity and Gut Microbiota.**Foods (Basel, Switzerland)** , Volume: 13 Issue: 11 2024 May 24

Authors Yuan J,Hu Y,Yang D,Zhou A,Luo S,Xu N,Dong J,He Q,Zhang C,Zhang X, Ji Z, Li Q, Chu J

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,Xv X,Yang M,Hou H,Li Z,Chen Y,Gong A

In-Silico and in vitro Studies Revealed that Rosmarinic Acid Inhibited Methanogenesis via Regulating Composition and Function of Rumen Microbiota.**Journal of dairy science** , 2024 Jun 6

Authors Liu Y,Li X,Diao Q, Ma T, Tu Y

Reduction in Serum Concentrations of Uremic Toxins Driven by Bifidobacterium Longum Subsp. Longum BL21 is Associated with Gut Microbiota Changes in a Rat Model of Chronic Kidney Disease.**Probiotics and antimicrobial proteins** , 2024 Jun 3

Authors Dong Y,Gai Z,Han M,Xu J,Zou K

Bifidobacterium longum S3 alleviates loperamide-induced constipation by modulating intestinal acetic acid and stearic acid levels in mice.**Food & function** , Volume: 15 Issue: 11 2024 Jun 4

Authors Zhang T,Lu H,Cheng T,Wang L,Wang G,Zhang H,Chen W

Chlorogenic Acid/Linoleic Acid-Fortified Wheat-Resistant Starch Ameliorates High-Fat Diet-Induced Gut Barrier Damage by Modulating Gut Metabolism.**Journal of agricultural and food chemistry** , Volume: 72 Issue: 20 2024 May 22

Authors Guo Q,Chen L,Liu Z,Zheng B

An In Vitro Evaluation of the Effect of Bifidobacterium longum L556 on Microbiota Composition and Metabolic Properties in Patients with Coronary Heart Disease (CHD).**Probiotics and antimicrobial proteins** , 2024 May 9

Authors Yang L,Wu Y,Zhao X,Liang T,Li L,Yang J,Jiang T,Zhang T,Zhang J,Zhong H,Xie X,Wu Q

Beneficial Effects of Dietary Fiber in Young Barley Leaf on Gut Microbiota and Immunity in Mice.**Molecules (Basel, Switzerland)** , Volume: 29 Issue: 8 2024 Apr 22

Authors Chudan S,Kurakawa T,Nishikawa M,Nagai Y,Tabuchi Y,Ikushiro S,Furusawa Y

Antitumor Effect and Gut Microbiota Modulation by Quercetin, Luteolin, and Xanthohumol in a Rat Model for Colorectal Cancer Prevention.**Nutrients** , Volume: 16 Issue: 8 2024 Apr 13

Authors Pérez-Valero Á,Magadán-Corpas P,Ye S,Serna-Diestro J,Sordon S,Huszcz E,Poplonski J,Villar CJ,Lombó F

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

The gut microbiota facilitate their host tolerance to extreme temperatures.**BMC microbiology** , Volume: 24 Issue: 1 2024 Apr 20

Authors Wang Z,Wu Y,Li X, Ji X, Liu W

Effects of Exercise on Gut Microbiota of Adults: A Systematic Review and Meta-Analysis.**Nutrients** , Volume: 16 Issue: 7 2024 Apr 5

Authors Min L,Ablitip A,Wang R,Luciana T,Wei M, Ma X

Resistant Starch from Purple Sweet Potatoes Alleviates Dextran Sulfate Sodium-Induced Colitis through Modulating the Homeostasis of the Gut Microbiota.**Foods (Basel, Switzerland)** , Volume: 13 Issue: 7 2024 Mar 27

Authors Wang Z,Gao M,Kan J,Cheng Q,Chen X,Tang C,Chen D,Zong S,Jin C

Effect of aerobic exercise and particulate matter exposure duration on the diversity of gut microbiota.

Animal cells and systems , Volume: 28 Issue: 1 2024

Authors Imdad S, Kim JH, So B, Jang J, Park J, Lim W, Lee YK, Shin WS, Hillyer T, Kang C

Cognitive behavioral and mindfulness with daily exercise intervention is associated with changes in intestinal microbial taxa and systemic inflammation in patients with Crohn's disease.

Gut microbes , Volume: 16 Issue: 1 2024 Jan-Dec

Authors K I, Y M, A N, D S, G G, R S, D G, V S, N O S, M F, S R, S O, J M G, A M

Candida albicans overgrowth disrupts the gut microbiota in mice bearing oral cancer.

Mycology , Volume: 15 Issue: 1 2024

Authors Wang X, Wu S, Li L, Yan Z

Associations Between Health Behaviors, Gastrointestinal Symptoms, and Gut Microbiota in a Cross-Sectional Sample of Cancer Survivors: Secondary Analysis from the Chemo-Gut Study.

Integrative cancer therapies , Volume: 23 2024 Jan-Dec

Authors Deleemans JM, Chleilat F, Reimer RA, Lawal OA, Baydoun M, Piedalue KA, Lowry DE, Carlson LE

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

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

Anti-diabetic effect of red quinoa polysaccharide on type 2 diabetic mellitus mice induced by streptozotocin and high-fat diet.

Frontiers in microbiology , Volume: 15 2024

Authors Zang Y, Ge Y, Cao Y, Tang H

The differential effect of two cereal foods on gut environment: a randomized, controlled, double-blind, parallel-group study.

Frontiers in nutrition , Volume: 10 2023

Authors Yamauchi Y, Masutomi H, Ishihara K, Hartanto T, Lee CG, Fukuda S

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

Potential mechanisms underlying inhibition of xenograft lung cancer models by kaempferol: modulation of gut microbiota in activating immune cell function.

Journal of Cancer , Volume: 15 Issue: 5 2024

Authors Guan M, Xu W, Bai H, Geng Z, Yu Z, Li H, Liu T

Berberine alleviates ischemia reperfusion injury induced AKI by regulation of intestinal microbiota and reducing intestinal inflammation.

BMC complementary medicine and therapies , Volume: 24 Issue: 1 2024 Jan 30

Authors Huo A, Wang F

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

Wheat Bran Polyphenols Ameliorate DSS-Induced Ulcerative Colitis in Mice by Suppressing MAPK/NF- κ B Inflammasome Pathways and Regulating Intestinal Microbiota.

Foods (Basel, Switzerland) , Volume: 13 Issue: 2 2024 Jan 10

Authors Wen X, Peng H, Zhang H, He Y, Guo F, Bi X, Liu J, Sun Y

Effects of aerobic exercise or Tai Chi Chuan interventions on problematic mobile phone use and the potential role of intestinal flora: A multi-arm randomized controlled trial.

Journal of psychiatric research , Volume: 170 2024 Feb

Authors Zhang K, Guo H, Zhang X, Yang H, Yuan G, Zhu Z, Lu X, Zhang J, Du J, Shi H, Jin G, Ren J, Hao J, Sun Y, Su P, Zhang Z

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

Relationships between diet and gut microbiome in an Italian and Dutch cohort: does the dietary protein to fiber ratio play a role?

European journal of nutrition , Volume: 63 Issue: 3 2024 Apr

Authors Tagliamonte S,Puhlmann ML,De Filippis F,Guerville M,Ercolini D,Vitaglione P

Sulforaphane and Sulforaphane-Nitrile Metabolism in Humans Following Broccoli Sprout Consumption: Inter-individual Variation, Association with Gut Microbiome Composition, and Differential Bioactivity.

Molecular nutrition & food research , Volume: 68 Issue: 4 2024 Feb

Authors Bouranis JA,Beaver LM,Wong CP,Choi J,Hamer S,Davis EW,Brown KS,Jiang D,Sharpton TJ,Stevens JF,Ho E
Berberine-microbiota interplay: orchestrating gut health through modulation of the gut microbiota and metabolic transformation into bioactive metabolites.

Frontiers in pharmacology , Volume: 14 2023

Authors Dehau T,Cherlet M,Croubels S,Van De Vliet M,Goossens E,Van Immerseel F
Next-generation sequencing of the athletic gut microbiota: a systematic review.

Microbiome research reports , Volume: 2 Issue: 1 2023

Authors Sabater C,Iglesias-Gutiérrez E,Ruiz L,Margolles A

Lactobacillus rhamnosus Attenuates Cisplatin-Induced Intestinal Mucositis in Mice via Modulating the Gut Microbiota and Improving Intestinal Inflammation.

Pathogens (Basel, Switzerland) , Volume: 12 Issue: 11 2023 Nov 11

Authors Alsholi DM,Yacoub GS,Rehman AU,Ullah H,Khan AI,Deng T,Siddiqui NZ,Aloui Y,Farooqui NA,Elkharti M,Li Y,Wang L,Xin Y

Mouse intestinal microbiome modulation by oral administration of a GABA-producing Bifidobacterium adolescentis strain.

Microbiology spectrum , Volume: 12 Issue: 1 2024 Jan 11

Authors Tamés H,Sabater C,Royo F,Margolles A,Falcón JM,Ruas-Madiedo P,Ruiz L

Lactobacillus rhamnosus Probio-M9 alleviates OVA-sensitized food allergy through modulating gut microbiota and its metabolism.

Food & function , Volume: 14 Issue: 24 2023 Dec 11

Authors Shi J,Dong P,Liu C,Xu Y,Zheng M,Cheng L,Wang J,Raghavan V

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

Differential effects of plant-based flours on metabolic homeostasis and the gut microbiota in high-fat fed rats.

Nutrition & metabolism , Volume: 20 Issue: 1 2023 Oct 19

Authors Martinez TM,Wachsmuth HR,Meyer RK,Weninger SN,Lane AI,Kangath A,Schiro G,Laubitz D,Stern JH,Duca FA

Phlorizin Mitigates Dextran Sulfate Sodium-Induced Colitis in Mice by Modulating Gut Microbiota and Inhibiting Ferroptosis.

Journal of agricultural and food chemistry , 2023 Oct 19

Authors Cheng J,Liu D,Huang Y,Chen L,Li Y,Yang Z,Fu S,Hu G

Effect of grape pomace supplement on growth performance, gastrointestinal microbiota, and methane production in Tan lambs.

Frontiers in microbiology , Volume: 14 2023

Authors Cheng X,Du X,Liang Y,Degen AA,Wu X,ji K,Gao Q,Xin G,Cong H,Yang G

Whole-Grain Highland Barley Attenuates Atherosclerosis Associated with NLRP3 Inflammasome Pathway and Gut Microbiota in ApoE(-/-) Mice.

Nutrients , Volume: 15 Issue: 19 2023 Sep 28

Authors Wu T,Yu Q,Luo Y,Dai Z,Zhang Y,Wang C,Shen Q,Xue Y

Ameliorating Effects of Bifidobacterium longum subsp. infantis FB3-14 against High-Fat-Diet-Induced Obesity and Gut Microbiota Disorder.

Nutrients , Volume: 15 Issue: 19 2023 Sep 22

Authors Kou R,Wang J,Li A,Wang Y,Zhang B,Liu J,Sun Y,Wang 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

Longitudinal effects of oral administration of antimicrobial drugs on fecal microbiota of horses.

Journal of veterinary internal medicine , 2023 Sep 8

Authors Gomez D,Toribio R,Caddey B,Costa M,Vijan S,Dembek K

Resveratrol alleviates DSS-induced IBD in mice by regulating the intestinal microbiota-macrophage-arginine metabolism axis.

European journal of medical research , Volume: 28 Issue: 1 2023 Sep 2

Authors Xu X,Ocansey DKW,Pei B,Zhang Y,Wang N,Wang Z,Mao F

Immunomodulatory effects of inulin and its intestinal metabolites.

Frontiers in immunology , Volume: 14 2023

Authors Sheng W, Ji G, Zhang L

[Alterations of gut microbiome and metabolism induced by inulin associated with weight loss in obese female mice.](#)**International journal of food sciences and nutrition , Volume: 74 Issue: 5 2023 Sep**

Authors Wu Z, Zhang M, Deng Y, Zhou G, Yang M, Wang H

[The anti-hyperlipidemic effect and underlying mechanisms of barley \(*Hordeum vulgare* L.\) grass polysaccharides in mice induced by a high-fat diet.](#)**Food & function , 2023 Jul 14**

Authors Yan JK, Chen TT, Li LQ, Liu F, Liu X, Li L

[The probiotic *Lactobacillus casei* Zhang-mediated correction of gut dysbiosis ameliorates peritoneal fibrosis by suppressing macrophage-related inflammation via the butyrate/PPAR- \$\gamma\$ /NF- \$\kappa\$ B pathway.](#)**Food & function , Volume: 14 Issue: 15 2023 Jul 31**

Authors Wu Z, Zuo X, Wang X, Shi M, Zhu H, Cao C, Liu X, Liang W, Yao Y, Wang L

[Effect of Probiotic Yogurt Supplementation \(*Bifidobacterium animalis* ssp. *lactis* BB-12\) on Gut Microbiota of Female Taekwondo Athletes and Its Relationship with Exercise-Related Psychological Fatigue.](#)**Microorganisms , Volume: 11 Issue: 6 2023 May 26**

Authors Zhu J, Zhu Y, Song G

[Crosstalk between dietary pomegranate and gut microbiota: evidence of health benefits.](#)**Critical reviews in food science and nutrition , 2023 Jun 19**

Authors Yin Y, Martínez R, Zhang W, Estévez M

[*Lactobacillus casei* and Its Supplement Alleviate Stress-Induced Depression and Anxiety in Mice by the Regulation of BDNF Expression and NF- \$\kappa\$ B Activation.](#)**Nutrients , Volume: 15 Issue: 11 2023 May 26**

Authors Ma X, Shin YJ, Park HS, Jeong JW, Kim JY, Shim JJ, Lee JL, Kim DH

[*Bifidobacterium bifidum* E3 Combined with *Bifidobacterium longum* subsp. *infantis* E4 Improves LPS-Induced Intestinal Injury by Inhibiting the TLR4/NF- \$\kappa\$ B and MAPK Signaling Pathways In Vivo.](#)**Journal of agricultural and food chemistry , Volume: 71 Issue: 23 2023 Jun 14**

Authors Yue Y, Wang Y, Xie Q, Lv X, Zhou L, Smith EE, Cao T, Zhang Y, Li B, Huo G, Ma W

[Heat-Killed *Bifidobacterium longum* BBMN68 in Pasteurized Yogurt Alleviates Mugwort Pollen-Induced Allergic Airway Responses through Gut Microbiota Modulation in a Murine Model.](#)**Foods (Basel, Switzerland) , Volume: 12 Issue: 10 2023 May 19**

Authors Niu X, Yin X, Wu X, Zhang Q, Jiang Y, He J, Zhao Y, Zhang C, Ren Y, Lai M, Sang Y, Wang R

[Quinoa Ameliorates Hepatic Steatosis, Oxidative Stress, Inflammation and Regulates the Gut Microbiota in Nonalcoholic Fatty Liver Disease Rats.](#)**Foods (Basel, Switzerland) , Volume: 12 Issue: 9 2023 Apr 25**

Authors Zhong L, Lyu W, Lin Z, Lu J, Geng Y, Song L, Zhang H

[Rumen microbial community and milk quality in Holstein lactating cows fed olive oil pomace as part in a sustainable feeding strategy.](#)**Animal : an international journal of animal bioscience , Volume: 17 Issue: 6 2023 Jun**

Authors Scicutella F, Cucu MA, Mannelli F, Pastorelli R, Daghighi M, Padli P, Pazzagli L, Turini L, Mantino A, Luti S, Genovese M, Viti C, Buccioni A

[Multi-Omics Reveals the Effects of Cannabidiol on Gut Microbiota and Metabolic Phenotypes.](#)**Cannabis and cannabinoid research , Volume: 9 Issue: 3 2024 Jun**

Authors He M, Liu A, Shi J, Xu YJ, Liu Y

[Role of Hydroxytyrosol and Oleuropein in the Prevention of Aging and Related Disorders: Focus on Neurodegeneration, Skeletal Muscle Dysfunction and Gut Microbiota.](#)**Nutrients , Volume: 15 Issue: 7 2023 Apr 4**

Authors Micheli L, Bertini L, Bonato A, Villanova N, Caruso C, Caruso M, Bernini R, Tirone F

[*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

[Effects of Pomegranate Peel Polyphenols Combined with Inulin on Gut Microbiota and Serum Metabolites of High-Fat-Induced Obesity Rats.](#)

Journal of agricultural and food chemistry , Volume: 71 Issue: 14 2023 Apr 12

Authors Shi H,Li X,Hou C,Chen L,Zhang Y,Li J

[Bovine Colostrum Supplementation Modulates the Intestinal Microbial Community in Rabbits.](#)

Animals : an open access journal from MDPI , Volume: 13 Issue: 6 2023 Mar 8

Authors Agradi S,Cremonesi P,Menchetti L,Balzaretti C,Severgnini M,Riva F,Castiglioni B,Draghi S,Di Giancamillo A,Castrica M,Vigo D,Modina SC,Serra V,Quattrone A,Angelucci E,Pastorelli G,Curone G,Brecchia G

[Cannabinoids modulate the microbiota-gut-brain axis in HIV/SIV infection by reducing neuroinflammation and dysbiosis while concurrently elevating endocannabinoid and indole-3-propionate levels.](#)

Journal of neuroinflammation , Volume: 20 Issue: 1 2023 Mar 8

Authors McDew-White M,Lee E,Premadasa LS,Alvarez X,Okeoma CM,Mohan M

[Characterization of procyanidin extracts from hawthorn \(Crataegus pinnatifida\) in human colorectal adenocarcinoma cell line Caco-2, simulated Digestion, and fermentation identified unique and novel prebiotic properties.](#)

Food research international (Ottawa, Ont.) , Volume: 165 2023 Mar

Authors Han X,Zhou Q,Gao Z,Bianca Xu G,Chen H,Chitrakar B,Sun Y,Zhao W,Lin X,Zhou K,Zhang Z

[Lactobacillus plantarum HF02 alleviates lipid accumulation and intestinal microbiota dysbiosis in high-fat diet-induced obese mice.](#)

Journal of the science of food and agriculture , Volume: 103 Issue: 9 2023 Jul

Authors Chen H,Zhao H,Qi X,Sun Y,Ma Y,Li Q

[Dietary Administration of Black Raspberries and Arsenic Exposure: Changes in the Gut Microbiota and Its Functional Metabolites.](#)

Metabolites , Volume: 13 Issue: 2 2023 Jan 30

Authors Tu P,Tang Q,Mo Z,Niu H,Hu Y,Wu L,Chen Z,Wang X,Gao B

[Lactocaseibacillus casei T1 attenuates Helicobacter pylori-induced inflammation and gut microbiota disorders in mice.](#)

BMC microbiology , Volume: 23 Issue: 1 2023 Feb 11

Authors Yu Z,Cao M,Peng J,Wu D,Li S,Wu C,Qing L,Zhang A,Wang W,Huang M,Zhao J

[A High Dose of Dietary Berberine Improves Gut Wall Morphology, Despite an Expansion of Enterobacteriaceae and a Reduction in Beneficial Microbiota in Broiler Chickens.](#)

mSystems , Volume: 8 Issue: 1 2023 Feb 23

Authors Dehau T,Cherlet M,Croubels S,van Immerseel F,Goossens E

[Probiotic Bifidobacterium longum BB68S Improves Cognitive Functions in Healthy Older Adults: A Randomized, Double-Blind, Placebo-Controlled Trial.](#)

Nutrients , Volume: 15 Issue: 1 2022 Dec 22

Authors Shi S,Zhang Q,Sang Y,Ge S,Wang Q,Wang R,He J

[Lactocaseibacillus rhamnosus Probio-M9-Driven Mouse Mammary Tumor-Inhibitory Effect Is Accompanied by Modulation of Host Gut Microbiota, Immunity, and Serum Metabolome.](#)

Nutrients , Volume: 15 Issue: 1 2022 Dec 20

Authors Zhang W,Zhang Y,Li Y,Ma D,Zhang H,Kwok LY

[Exercise effect on the gut microbiota in young adolescents with subthreshold depression: A randomized psychoeducation-controlled Trial.](#)

Psychiatry research , Volume: 319 2023 Jan

Authors Wang R,Cai Y,Lu W,Zhang R,Shao R,Yau SY,Stubbs B,McIntyre RS,Su KP,Xu G,Qi L,So KF,Lin K

[Underlying beneficial effects of Rhubarb on constipation-induced inflammation, disorder of gut microbiome and metabolism.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Gao H,He C,Hua R,Liang C,Wang B,Du Y,Xin S,Guo Y,Gao L,Zhang L,Shang H,Xu J

[Cannabis sativa L. alleviates loperamide-induced constipation by modulating the composition of gut microbiota in mice.](#)

Frontiers in pharmacology , Volume: 13 2022

Authors Li R,Li M,Li B,Chen WH,Liu Z

[Intake of slow-digesting carbohydrates is related to changes in the microbiome and its functional pathways in growing rats with obesity induced by diet.](#)

Frontiers in nutrition , Volume: 9 2022

Authors Plaza-Díaz J,Manzano M,Ruiz-Ojeda FJ,Giron MD,Salto R,López-Pedrosa JM,Santos-Fandila A,García-Corcoles MT,Rueda R,Gil Á

[A Chinese herbs complex ameliorates gut microbiota dysbiosis induced by intermittent cold exposure in female rats.](#)

Frontiers in microbiology , Volume: 13 2022

Authors Jin L,Bian X,Dong W,Yang R,Jing C,Li X,Yang D,Guo C,Gao W

[Effects of Polyphenols and Glucosinolates in Broccoli Extract on Human Gut Microorganisms Based on Simulation In Vitro.](#)

ACS omega , Volume: 7 Issue: 49 2022 Dec 13

Authors Zhang Y,Jiang C,Huang S,Sun J,Song X,Nishanbaev SZ,Benito MJ,Wu Y

Effects of highland barley β -glucan on blood glucose and gut microbiota in streptozotocin-induced, diabetic, C57BL/6 mice on a high-fat diet.

Nutrition (Burbank, Los Angeles County, Calif.) , Volume: 107 2023 Mar

Authors Zang Y,Liu J,Zhai A,Wu K,Chuang Y,Ge Y,Wang C

Constipation Mitigation by Rhubarb Extract in Middle-Aged Adults Is Linked to Gut Microbiome Modulation: A Double-Blind Randomized Placebo-Controlled Trial.

International journal of molecular sciences , Volume: 23 Issue: 23 2022 Nov 24

Authors Neyrinck AM,Rodriguez J,Taminiau B,Herpin F,Cani PD,Daube G,Bindels LB,Delzenne NM

Effects of Dietary Quinoa Seeds on Cecal Microorganisms and Muscle Fatty Acids of Female Luhua Chickens.

Animals : an open access journal from MDPI , Volume: 12 Issue: 23 2022 Nov 28

Authors Wu T,Jiang X,Yang F,Wei Y,Zhao S,Jiao T

Broccoli seed extract rich in polysaccharides and glucoraphanin ameliorates DSS-induced colitis via intestinal barrier protection and gut microbiota modulation in mice.

Journal of the science of food and agriculture , Volume: 103 Issue: 4 2023 Mar 15

Authors Wu J,Guo W,Cui S,Tang X,Zhang Q,Lu W,Jin Y,Zhao J,Mao B,Chen W

β -Glucan alleviates mice with ulcerative colitis through interactions between gut microbes and amino acids metabolism.

Journal of the science of food and agriculture , Volume: 103 Issue: 8 2023 Jun

Authors Liu C,Sun C,Cheng Y

Rifaximin Modifies Gut Microbiota and Attenuates Inflammation in Parkinson`s Disease: Predinical and Clinical Studies.

Cells , Volume: 11 Issue: 21 2022 Nov 2

Authors Hong CT,Chan L,Chen KY,Lee HH,Huang LK,Yang YSH,Liu YR,Hu CJ

Explainable Artificial Intelligence in the Early Diagnosis of Gastrointestinal Disease.

Diagnostics (Basel, Switzerland) , Volume: 12 Issue: 11 2022 Nov 9

Authors Lee KS,Kim ES

Effects of Proteases from Pineapple and Papaya on Protein Digestive Capacity and Gut Microbiota in Healthy C57BL/6 Mice and Dose-Manner Response on Mucosal Permeability in Human Reconstructed Intestinal 3D Tissue Model.

Metabolites , Volume: 12 Issue: 11 2022 Oct 26

Authors Kostiuhenko O,Kravchenko N,Markus J,Burleigh S,Fedkiv O,Cao L,Letasiova S,Skibo G,Fåk Hållenius F,Prykhodko O

Pear pomace soluble dietary fiber ameliorates the negative effects of high-fat diet in mice by regulating the gut microbiota and associated metabolites.

Frontiers in nutrition , Volume: 9 2022

Authors Ji Y,Mao K,Gao J,Chitrakar B,Sadiq FA,Wang Z,Wu J,Xu C,Sang Y

Inulin accelerates weight loss in obese mice by regulating gut microbiota and serum metabolites.

Frontiers in nutrition , Volume: 9 2022

Authors Wu Z,Du Z,Tian Y,Liu M,Zhu K,Zhao Y,Wang H

Dietary supplementation with low and high polymerization inulin ameliorates adipose tissue inflammation via the TLR4/NF- κ 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

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

The antidiabetic effects of Bifidobacterium longum subsp. longum BL21 through regulating gut microbiota structure in type 2 diabetic mice.

Food & function , Volume: 13 Issue: 19 2022 Oct 3

Authors Hao J,Zhang Y,Wu T,Liu R,Sui W,Zhu J,Fang S,Geng J,Zhang M

Selenium-enriched Bifidobacterium longum DD98 effectively ameliorates dextran sulfate sodium-induced ulcerative colitis in mice.

Frontiers in microbiology , Volume: 13 2022

Authors Hu Y,Jin X,Gao F,Lin T,Zhu H,Hou X,Yin Y,Kan S,Chen D

Effects of short-term feeding with high fiber diets on growth, utilization of dietary fiber, and microbiota in pigs.

Frontiers in microbiology , Volume: 13 2022

Authors Pu G,Hou L,Du T,Wang B,Liu H,Li K,Niu P,Zhou W,Huang R,Li P

Beta-Glucan Alters Gut Microbiota and Plasma Metabolites in Pre-Weaning Dairy Calves.

Metabolites , Volume: 12 Issue: 8 2022 Jul 26

Authors Luo Z,Ma L,Zhou T,Huang Y,Zhang L,Du Z,Yong K,Yao X,Shen L,Yu S,Shi X,Cao S

Gender-based effect of absence of gut microbiota on the protective efficacy of Bifidobacterium longum-fermented rice bran diet against inflammation-associated colon tumorigenesis.

Molecular carcinogenesis , Volume: 61 Issue: 10 2022 Oct

Authors Kumar R,Maurya AK,Parker KD,Kant R,Ibrahim H,Kabir MI,Kumar D,Weber AM,Agarwal R,Kuhn KA,Ryan EP,Raina K

Recombinant Bifidobacterium longum Carrying Endostatin Protein Alleviates Dextran Sodium Sulfate-Induced Colitis and Colon Cancer in Rats.

Frontiers in microbiology , Volume: 13 2022

Authors Bi Z,Cui E,Yao Y,Chang X,Wang X,Zhang Y,Xu GX,Zhuang H,Hua ZC

Lactobacillus plantarum Alleviates Obesity by Altering the Composition of the Gut Microbiota in High-Fat Diet-Fed Mice.

Frontiers in nutrition , Volume: 9 2022

Authors Ma Y,Fei Y,Han X,Liu G,Fang J

Effect of voluntary wheel running on gut microbiota composition in developing mice.

Nutricion hospitalaria , Volume: 39 Issue: 4 2022 Aug 25

Authors Wan C,Liu ZB,Tan H,Zhang Z,Zhou Q,Yao LH,Meng W,Wang S

Identification of Nordic Berries with Beneficial Effects on Cognitive Outcomes and Gut Microbiota in High-Fat-Fed Middle-Aged C57BL/6J Mice.

Nutrients , Volume: 14 Issue: 13 2022 Jun 30

Authors Huang F,Marungruang N,Kostiuchenko O,Kravchenko N,Burleigh S,Prykhodko O,Hållén FF,Heyman-Lindén L

Procyanidins from hawthorn (Crataegus pinnatifida) alleviate lipid metabolism disorder via inhibiting insulin resistance and oxidative stress, normalizing the gut microbiota structure and intestinal barrier, and further suppressing hepatic inflammation and lipid accumulation.

Food & function , Volume: 13 Issue: 14 2022 Jul 18

Authors Han X,Zhao W,Zhou Q,Chen H,Yuan J,Xiaofu Z,Zhang Z

Bifidobacterium adolescentis Is Effective in Relieving Type 2 Diabetes and May Be Related to Its Dominant Core Genome and Gut Microbiota Modulation Capacity.

Nutrients , Volume: 14 Issue: 12 2022 Jun 15

Authors Qian X,Si Q,Lin G,Zhu M,Lu J,Zhang H,Wang G,Chen W

Lactobacillus plantarum FRT4 alleviated obesity by modulating gut microbiota and liver metabolome in high-fat diet-induced obese mice.

Food & nutrition research , Volume: 66 2022

Authors Cai H,Wen Z,Zhao L,Yu D,Meng K,Yang P

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 Microbiome and Gut Endocannabinoid System in the Regulation of Stress Responses and Metabolism.

Frontiers in cellular neuroscience , Volume: 16 2022

Authors Srivastava RK,Lutz B,Ruiz de Azua I

Dietary Supplementation With Fine-Grinding Wheat Bran Improves Lipid Metabolism and Inflammatory Response via Modulating the Gut Microbiota Structure in Pregnant Sow.

Frontiers in microbiology , Volume: 13 2022

Authors Wang Z,Chen Y,Wang W,Huang C,Hu Y,Johnston L,Wang F

Cold exposure, gut microbiota, and hypertension: A mechanistic study.

The Science of the total environment , Volume: 833 2022 Aug 10

Authors Wang B,Liu J,Lei R,Xue B,Li Y,Tian X,Zhang K,Luo B

Stewed Rhubarb Decoction Ameliorates Adenine-Induced Chronic Renal Failure in Mice by Regulating Gut Microbiota Dysbiosis.

Frontiers in pharmacology , Volume: 13 2022

Authors Wang R,Hu B,Ye C,Zhang Z,Yin M,Cao Q,Ba Y,Liu H

Green Banana Flour Contributes to Gut Microbiota Recovery and Improves Colonic Barrier Integrity in Mice Following Antibiotic Perturbation.

Frontiers in nutrition , Volume: 9 2022

Authors Li P,Li M,Song Y,Huang X,Wu T,Xu ZZ,Lu H

Different Alterations in Gut Microbiota between Bifidobacterium longum and Fecal Microbiota Transplantation Treatments in Propionic Acid Rat Model of Autism.

Nutrients , Volume: 14 Issue: 3 2022 Jan 30

Authors Abujaamel TS,Al-Otaibi NM,Abuaish S,AlHarbi RH,Assas MB,Alzahrani SA,Alotaibi SM,El-Ansary A,Aabed K

Beneficial Effects of Partly Milled Highland Barley on the Prevention of High-Fat Diet-Induced Glycometabolic Disorder and

the Modulation of Gut Microbiota in Mice.**Nutrients** , Volume: 14 Issue: 4 2022 Feb 11

Authors Li S,Wang M,Li C,Meng Q,Meng Y,Ying J,Bai S,Shen Q,Xue Y

Bifidobacterium animalis subsp. lactis BB-12 Has Effect Against Obesity by Regulating Gut Microbiota in Two Phases in Human Microbiota-Associated Rats.**Frontiers in nutrition** , Volume: 8 2021

Authors Mao K,Gao J,Wang X,Li X,Geng S,Zhang T,Sadiq FA,Sang Y

Dietary Supplementation with Goji Berries (Lycium barbarum) Modulates the Microbiota of Digestive Tract and Caecal Metabolites in Rabbits.**Animals : an open access journal from MDPI** , Volume: 12 Issue: 1 2022 Jan 5

Authors Cremonesi P,Curone G,Biscarini F,Cotozzolo E,Menchetti L,Riva F,Marongiu ML,Castiglioni B,Barbato O,Munga A,Castrica M,Vigo D,Sulce M,Quattrone A,Agradi S,Brecchia G

Berberine ameliorates aGVHD by gut microbiota remodelling, TLR4 signalling suppression and colonic barrier repairment for NLRP3 inflammasome inhibition.**Journal of cellular and molecular medicine** , Volume: 26 Issue: 4 2022 Feb

Authors Zhao Y,Huang J,Li T,Zhang S,Wen C,Wang L

Rhubarb Enema Decreases Circulating Trimethylamine N-Oxide Level and Improves Renal Fibrosis Accompanied With Gut Microbiota Change in Chronic Kidney Disease Rats.**Frontiers in pharmacology** , Volume: 12 2021

Authors Ji C,Li Y,Mo Y,Lu Z,Lu F,Lin Q,Liu X,Zou C,Wu Y

Nine weeks of high-intensity indoor cycling training induced changes in the microbiota composition in non-athlete healthy male college students.**Journal of the International Society of Sports Nutrition** , Volume: 18 Issue: 1 2021 Dec 18

Authors Donati Zeppa S,Amatori S,Sisti D,Gervasi M,Agostini D,Piccoli G,Pazienza V,Gobbi P,Rocchi MBL,Sestili P,Stocchi V

Regulatory Effect of Resveratrol on Inflammation Induced by Lipopolysaccharides via Reprogramming Intestinal Microbes and Ameliorating Serum Metabolism Profiles.**Frontiers in immunology** , Volume: 12 2021

Authors Ding S,Jiang H,Fang J,Liu G

Lactobacillus rhamnosus Strain LRH05 Intervention Ameliorated Body Weight Gain and Adipose Inflammation via Modulating the Gut Microbiota in High-Fat Diet-Induced Obese Mice.**Molecular nutrition & food research** , Volume: 66 Issue: 1 2022 Jan

Authors Chen YT,Chiou SY,Hsu AH,Lin YC,Lin JS

Beneficial effect of whole-grain wheat on liver fat: a role for the gut microbiota?**Hepatobiliary surgery and nutrition** , Volume: 10 Issue: 5 2021 Oct

Authors Gérard P

Effects of fermented wheat bran and yeast culture on growth performance, immunity and intestinal microflora in growing-finishing pigs.**Journal of animal science** , 2021 Oct 23

Authors He W,Gao Y,Guo Z,Yang Z,Wang X,Liu H,Sun H,Shi B

Alleviation Effects of Bifidobacterium animalis subsp. lactis XLTG11 on Dextran Sulfate Sodium-Induced Colitis in Mice.**Microorganisms** , Volume: 9 Issue: 10 2021 Oct 3

Authors Wang N,Wang S,Xu B,Liu F,Huo G,Li B

Alterations in Faecal Microbiota and Elevated Levels of Intestinal IgA Following Oral Administration of Lactocaseibacillus casei in mice.**Probiotics and antimicrobial proteins** , Volume: 15 Issue: 3 2023 Jun

Authors Aindelis G,Ypsilantis P,Chlichlia K

Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model.**Frontiers in microbiology** , Volume: 12 2021

Authors Ghimire S,Wongkuna S,Sankaranarayanan R,Ryan EP,Bhat GJ,Scaria J

Adjunctive Probiotics Alleviates Asthmatic Symptoms via Modulating the Gut Microbiome and Serum Metabolome.**Microbiology spectrum** , 2021 Oct 6

Authors Liu A,Ma T,Xu N,Jin H,Zhao F,Kwok LY,Zhang H,Zhang S,Sun Z

Berberine Alleviates Non-alcoholic Steatohepatitis Through Modulating Gut Microbiota Mediated Intestinal FXR Activation.**Frontiers in pharmacology** , Volume: 12 2021

Authors Shu X,Li M,Cao Y,Li C,Zhou W,ji G,Zhang L

Gut microbiota link dietary fiber intake and short-chain fatty acid metabolism with eating behavior.**Translational psychiatry** , Volume: 11 Issue: 1 2021 Oct 1

Authors Medawar E,Haange SB,Rolle-Kampczyk U,Engelmann B,Dietrich A,Thieleking R,Wiegank C,Fries C,Horstmann A,Villringer A,von Bergen M,Fenske W,Veronica Witte A

[Pomegranate fruit pulp polyphenols reduce diet-induced obesity with modulation of gut microbiota in mice.](#)

Journal of the science of food and agriculture , Volume: 102 Issue: 5 2022 Mar 30

Authors Song H,Shen X,Chu Q,Zheng X

[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

[Effects of Short-Term Dietary Fiber Intervention on Gut Microbiota in Young Healthy People.](#)

Diabetes, metabolic syndrome and obesity : targets and therapy , Volume: 14 2021

Authors Tian T,Zhang X,Luo T,Wang D,Sun Y,Dai J

[Lactobacillus rhamnosus GG Ameliorated Long-Term Exposure to TiO₂ Nanoparticles Induced Microbiota-Mediated Liver and Colon Inflammation and Fructose-Caused Metabolic Abnormality in Metabolism Syndrome Mice.](#)

Journal of agricultural and food chemistry , Volume: 69 Issue: 34 2021 Sep 1

Authors Zhao Y,Liu S,Tang Y,You T,Xu H

[Lactobacillus casei LC89 exerts antidiabetic effects through regulating hepatic glucagon response and gut microbiota in type 2 diabetic mice.](#)

Food & function , Volume: 12 Issue: 18 2021 Sep 20

Authors Zhang Y,Wu T,Li W,Zhao Y,Long H,Liu R,Sui W,Zhang M

[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

[Oleuropein Ameliorates Advanced Stage of Type 2 Diabetes in db/db Mice by Regulating Gut Microbiota.](#)

Nutrients , Volume: 13 Issue: 7 2021 Jun 22

Authors Zheng S,Wang Y,Fang J,Geng R,Li M,Zhao Y,Kang SG,Huang K,Tong T

[Circadian disruption-induced metabolic syndrome in mice is ameliorated by oat \$\beta\$ -glucan mediated by gut microbiota.](#)

Carbohydrate polymers , Volume: 267 2021 Sep 1

Authors Cheng WY,Lam KL,Li X,Kong AP,Cheung PC

[Resveratrol and its derivative pterostilbene ameliorate intestine injury in intrauterine growth-retarded weanling piglets by modulating redox status and gut microbiota.](#)

Journal of animal science and biotechnology , Volume: 12 Issue: 1 2021 Jun 10

Authors Chen Y,Zhang H,Chen Y,Jia P,Ji S,Zhang Y,Wang T

[Lactobacillus casei CCFM1074 Alleviates Collagen-Induced Arthritis in Rats via Balancing Treg/Th17 and Modulating the Metabolites and Gut Microbiota.](#)

Frontiers in immunology , Volume: 12 2021

Authors Fan Z,Ross RP,Stanton C,Hou B,Zhao J,Zhang H,Yang B,Chen W

[A diet high in sugar and fat influences neurotransmitter metabolism and then affects brain function by altering the gut microbiota.](#)

Translational psychiatry , Volume: 11 Issue: 1 2021 May 27

Authors Guo Y,Zhu X,Zeng M,Qi L,Tang X,Wang D,Zhang M,Xie Y,Li H,Yang X,Chen D

[Lactobacillus rhamnosus from human breast milk ameliorates ulcerative colitis in mice via gut microbiota modulation.](#)

Food & function , Volume: 12 Issue: 11 2021 Jun 8

Authors Pang B,Jin H,Liao N,Li J,Jiang C,Shao D,Shi J

[Clearance of *Clostridioides difficile* Colonization Is Associated with Antibiotic-Specific Bacterial Changes.](#)

mSphere , Volume: 6 Issue: 3 2021 May 5

Authors Lesniak NA,Schubert AM,Sinani H,Schloss PD

[Berberine attenuates choline-induced atherosclerosis by inhibiting trimethylamine and trimethylamine-N-oxide production via manipulating the gut microbiome.](#)

NPJ biofilms and microbiomes , Volume: 7 Issue: 1 2021 Apr 16

Authors Li X,Su C,Jiang Z,Yang Y,Zhang Y,Yang M,Zhang X,Du Y,Zhang J,Wang L,Jiang J,Hong B

[Bifidobacterium adolescentis Isolated from Different Hosts Modifies the Intestinal Microbiota and Displays Differential Metabolic and Immunomodulatory Properties in Mice Fed a High-Fat Diet.](#)

Nutrients , Volume: 13 Issue: 3 2021 Mar 21

Authors Wang B,Kong Q,Cui S,Li X,Gu Z,Zhao J,Zhang H,Chen W,Wang G

Crataegus pinnatifida polysaccharide alleviates colitis via modulation of gut microbiota and SCFAs metabolism.

International journal of biological macromolecules , Volume: 181 2021 Jun 30

Authors Guo C,Wang Y,Zhang S,Zhang X,Du Z,Li M,Ding K

Effect of Blueberry Anthocyanin-Rich Extracts on Peripheral and Hippocampal Antioxidant Defensiveness: The Analysis of the Serum Fatty Acid Species and Gut Microbiota Profile.

Journal of agricultural and food chemistry , Volume: 69 Issue: 12 2021 Mar 31

Authors Si X,Bi J,Chen Q,Cui H,Bao Y,Tian J,Shu C,Wang Y,Tan H,Zhang W,Chen Y,Li B

Effect of Quercetin on Lipids Metabolism Through Modulating the Gut Microbial and AMPK/PPAR Signaling Pathway in Broilers.

Frontiers in cell and developmental biology , Volume: 9 2021

Authors Wang M,Wang B,Wang S,Lu H,Wu H,Ding M,Ying L,Mao Y,Li Y

Effects of Banana Resistant Starch on the Biochemical Indexes and Intestinal Flora of Obese Rats Induced by a High-Fat Diet and Their Correlation Analysis.

Frontiers in bioengineering and biotechnology , Volume: 9 2021

Authors Fu J,Wang Y,Tan S,Wang J

Different Weight Loss Intervention Approaches Reveal a Lack of a Common Pattern of Gut Microbiota Changes.

Journal of personalized medicine , Volume: 11 Issue: 2 2021 Feb 8

Authors Gutiérrez-Repiso C,Molina-Vega M,Bernal-López MR,Garrido-Sánchez L,García-Almeida JM,Sajoux I,Moreno-Indias I,Tinahones FJ

Kale Attenuates Inflammation and Modulates Gut Microbial Composition and Function in C57BL/6J Mice with Diet-Induced Obesity.

Microorganisms , Volume: 9 Issue: 2 2021 Jan 24

Authors Shahinozzaman M,Raychaudhuri S,Fan S,Obanda DN

The Effect of Xyloligosaccharide, Xylan, and Whole Wheat Bran on the Human Gut Bacteria.

Frontiers in microbiology , Volume: 11 2020

Authors Chen M,Liu S,Imam KMSU,Sun L,Wang Y,Gu T,Wen B,Xin F

Blueberry and cranberry anthocyanin extracts reduce bodyweight and modulate gut microbiota in C57BL/6 J mice fed with a high-fat diet.

European journal of nutrition , 2021 Jan 3

Authors Liu J,Hao W,He Z,Kwek E,Zhu H,Ma N,Ma KY,Chen ZY

Lycium barbarum polysaccharide attenuates myocardial injury in high-fat diet-fed mice through manipulating the gut microbiome and fecal metabolome.

Food research international (Ottawa, Ont.) , Volume: 138 Issue: Pt B 2020 Dec

Authors Zhang Z,Liu H,Yu B,Tao H,Li J,Wu Z,Liu G,Yuan C,Guo L,Cui B

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

A Holistic View of Berberine Inhibiting Intestinal Carcinogenesis in Conventional Mice Based on Microbiome-Metabolomics Analysis.

Frontiers in immunology , Volume: 11 2020

Authors Chen H,Zhang F,Zhang J,Zhang X,Guo Y,Yao Q

Bifidobacterium bifidum TMC3115 ameliorates milk protein allergy in by affecting gut microbiota: A randomized double-blind control trial.

Journal of food biochemistry , Volume: 44 Issue: 11 2020 Nov

Authors Jing W,Liu Q,Wang W

Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased Akkermansia muciniphila in Mice.

Nutrients , Volume: 12 Issue: 10 2020 Sep 24

Authors Régnier M,Rastelli M,Morissette A,Suriano F,Le Roy T,Pilon G,Delzenne NM,Marette A,Van Hul M,Cani PD

Highland Barley Whole Grain (Hordeum vulgare L.) Ameliorates Hyperlipidemia by Modulating Cecal Microbiota, miRNAs, and AMPK Pathways in Leptin Receptor-Deficient db/db Mice.

Journal of agricultural and food chemistry , Volume: 68 Issue: 42 2020 Oct 21

Authors Deng N,He Z,Guo R,Zheng B,Li T,Liu RH

Impact of a Moderately Hypocaloric Mediterranean Diet on the Gut Microbiota Composition of Italian Obese Patients.

Nutrients , Volume: 12 Issue: 9 2020 Sep 4

Authors Pisanu S,Palmas V,Madau V,Casula E,Deledda A,Cusano R,Uva P,Vascellari S,Boi F,Loviselli A,Manzin A,Velluzzi F

Impacts of Habitual Diets Intake on Gut Microbial Counts in Healthy Japanese Adults.**Nutrients** , Volume: 12 Issue: 8 2020 Aug 12

Authors Sugimoto T,Shima T,Amamoto R,Kaga C,Kado Y,Watanabe O,Shiinoki J,Iwazaki K,Shigemura H,Tsuji H,Matsumoto S

Modulation of gut microbiota mediates berberine-induced expansion of immuno-suppressive cells to against alcoholic liver disease.**Clinical and translational medicine** , Volume: 10 Issue: 4 2020 Aug

Authors Li S,Wang N,Tan HY,Chueng F,Zhang ZJ,Yuen MF,Feng Y

Randomised clinical study: oral aspirin 325 mg daily vs placebo alters gut microbial composition and bacterial taxa associated with colorectal cancer risk.**Alimentary pharmacology & therapeutics** , Volume: 52 Issue: 6 2020 Sep

Authors Prizment AE,Staley C,Onyeaghala GC,Vivek S,Thyagarajan B,Straka RJ,Demmer RT,Knights D,Meyer KA,Shaukat A,Sadowsky MJ,Church TR

Long-term Consumption of 2-O-?-D-Glucopyranosyl-L-ascorbic Acid from the Fruits of Lycium barbarum Modulates Gut Microbiota in C57BL/6 Mice.**Journal of agricultural and food chemistry** , 2020 Jul 24

Authors Dong W,Huang K,Yan Y,Wan P,Peng Y,Zeng X,Cao Y

Sulforaphane alter the microbiota and mitigate colitis severity on mice ulcerative colitis induced by DSS.**AMB Express** , Volume: 10 Issue: 1 2020 Jul 3

Authors Zhang Y,Tan L,Li C,Wu H,Ran D,Zhang Z

Amoxicillin Increased Functional Pathway Genes and Beta-Lactam Resistance Genes by Pathogens Bloomed in Intestinal Microbiota Using a Simulator of the Human Intestinal Microbial Ecosystem.**Frontiers in microbiology** , Volume: 11 2020

Authors Liu L,Wang Q,Lin H,Das R,Wang S,Qi H,Yang J,Xue Y,Mao D,Luo Y

The ameliorative effect of Lactobacillus plantarum Y44 oral administration on inflammation and lipid metabolism in obese mice fed with a high fat diet.**Food & function** , Volume: 11 Issue: 6 2020 Jun 24

Authors Liu Y,Gao Y,Ma F,Sun M,Mu G,Tuo Y

Yeast β -glucan alleviates cognitive deficit by regulating gut microbiota and metabolites in A β (1)-(42)-induced AD-like mice.**International journal of biological macromolecules** , Volume: 161 2020 Oct 15

Authors Xu M,Mo X,Huang H,Chen X,Liu H,Peng Z,Chen L,Rong S,Yang W,Xu S,Liu L

Protective mechanism of rhubarb anthraquinone glycosides in rats with cerebral ischaemia-reperfusion injury: interactions between medicine and intestinal flora.**Chinese medicine** , Volume: 15 2020

Authors Li Q,Guo Y,Yu X,Liu W,Zhou L

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

Lactobacillus plantarum FRT10 alleviated high-fat diet-induced obesity in mice through regulating the PPAR α 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

Lactobacillus reuteri NK33 and *Bifidobacterium adolescentis* NK98 alleviate *Escherichia coli*-induced depression and gut dysbiosis in mice.**Journal of microbiology and biotechnology** , 2020 Apr 29

Authors Han SK,Kim JK,Joo MK,Lee KE,Han SW,Kim DH

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

Effectiveness of an oral care tablet containing kiwifruit powder in reducing oral bacteria in tongue coating: A crossover trial.**Clinical and experimental dental research** , Volume: 6 Issue: 2 2020 Apr

Authors Matsumura Y,Hinode D,Fukui M,Yoshioka M,Asakuma H,Takii H

Grape Extract Activates Brown Adipose Tissue Through Pathway Involving the Regulation of Gut Microbiota and Bile Acid.**Molecular nutrition & food research** , 2020 Apr 5

Authors Han X,Guo J,Yin M,Liu Y,You Y,Zhan J,Huang W

Effect of Berberine on Atherosclerosis and Gut Microbiota Modulation and Their Correlation in High-Fat Diet-Fed ApoE $^{-/-}$ Mice.

Frontiers in pharmacology , Volume: 11 2020

Authors Wu M,Yang S,Wang S,Cao Y,Zhao R,Li X,Xing Y,Liu L

[Stable Colonization of Orally Administered Lactobacillus casei SY13 Alters the Gut Microbiota.](#)

BioMed research international , Volume: 2020 2020

Authors Yue Y,Xu X,Yang B,Lu J,Zhang S,Liu L,Nassar K,Zhang C,Zhang M,Pang X,Lv J

[Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome.](#)

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

Authors Nealon NJ,Parker KD,Lahaie P,Ibrahim H,Maurya AK,Raina K,Ryan EP

[Gut Microbiota Modulation by Dietary Barley Malt Melanoidins.](#)

Nutrients , Volume: 12 Issue: 1 2020 Jan 17

Authors Aljahdali N,Gadonna-Widehem P,Anton PM,Carbonero F

[In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria.](#)

Food research international (Ottawa, Ont.) , Volume: 128 2020 Feb

Authors Henrique-Bana FC,Wang X,Costa GN,Spinosa WA,Miglioranza LHS,Scorletti E,Calder PC,Byrne CD,Gibson GR

[Dietary resistant starch modifies the composition and function of caecal microbiota of broilers.](#)

Journal of the science of food and agriculture , Volume: 100 Issue: 3 2020 Feb

Authors Zhang Y,Liu Y,Li J,Xing T,Jiang Y,Zhang L,Gao F

[Dietary intervention using \(1,3\)/\(1,6\)- \$\beta\$ -glucan, a fungus-derived soluble prebiotic ameliorates high-fat diet-induced metabolic distress and alters beneficially the gut microbiota in mice model.](#)

European journal of nutrition , Volume: 59 Issue: 6 2020 Sep

Authors Muthuramalingam K,Singh V,Choi C,Choi SI,Kim YM,Unno T,Cho M

[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,Blädel T,Larsen LH,Iglesias JR,Madera C,Sanz Y,Larsen TM,MyNewGut Consortium.

[Adhesive *Bifidobacterium* Induced Changes in Cecal Microbiome Alleviated Constipation in Mice.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Wang L,Chen C,Cui S,Lee YK,Wang G,Zhao J,Zhang H,Chen W

[Rebalancing of the gut flora and microbial metabolism is responsible for the anti-arthritis effect of kaempferol.](#)

Acta pharmacologica Sinica , Volume: 41 Issue: 1 2020 Jan

Authors Aa LX,Fei F,Qi Q,Sun RB,Gu SH,Di ZZ,Aa JY,Wang GJ,Liu CX

[A Purified Anthraquinone-Glycoside Preparation From Rhubarb Ameliorates Type 2 Diabetes Mellitus by Modulating the Gut Microbiota and Reducing Inflammation.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Cui HX,Zhang LS,Luo Y,Yuan K,Huang ZY,Guo Y

[Resveratrol attenuates high-fat diet-induced non-alcoholic steatohepatitis by maintaining gut barrier integrity and inhibiting gut inflammation through regulation of the endocannabinoid system.](#)

Clinical nutrition (Edinburgh, Scotland) , 2019 May 30

Authors Chen M,Hou P,Zhou M,Ren Q,Wang X,Huang L,Hui S,Yi L,Mi M

[Dietary Quercetin Increases Colonic Microbial Diversity and Attenuates Colitis Severity in *Citrobacter rodentium*-Infected Mice.](#)

Frontiers in microbiology , Volume: 10 2019

Authors Lin R,Piao M,Song Y

[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

[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,Rodriguez J,Cani PD,Neyrinck AM,Thissen JP,Luminet O,Bindelle J,Delzenne NM

[Four men in a boat: Ultra-endurance exercise alters the gut microbiome.](#)

Journal of science and medicine in sport , Volume: 22 Issue: 9 2019 Sep

Authors Keoghane DM,Woods T,O'Connor P,Underwood S,Cronin O,Whiston R,O'Sullivan O,Cotter P,Shanahan F,Molloy MGM

[The Effects of Intact Cereal Grain Fibers, Including Wheat Bran on the Gut Microbiota Composition of Healthy Adults: A Systematic Review.](#)

Frontiers in nutrition , Volume: 6 2019

Authors Jefferson A,Adolphus K

[Dietary Intake of Whole Strawberry Inhibited Colonic Inflammation in Dextran-Sulfate-Sodium-Treated Mice via Restoring](#)

Immune Homeostasis and Alleviating Gut Microbiota Dysbiosis.**Journal of agricultural and food chemistry** , Volume: 67 Issue: 33 2019 Aug 21

Authors Han Y,Song M,Gu M,Ren D,Zhu X,Cao X,Li F,Wang W,Cai X,Yuan B,Goulette T,Zhang G,Xiao H

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

Six-Week Endurance Exercise Alters Gut Metagenome That Is not Reflected in Systemic Metabolism in Over-weight Women.**Frontiers in microbiology** , Volume: 9 2018

Authors Munukka E,Ahtiainen JP,Puigbó P,Jalkanen S,Pahkala K,Keskitalo A,Kujala UM,Pietilä S,Hollmén M,Elo L,Huovinen P,D'Auria G,Pekkala S

Goji Berry Modulates Gut Microbiota and Alleviates Colitis in IL-10-Deficient Mice.**Molecular nutrition & food research** , Volume: 62 Issue: 22 2018 Nov

Authors Kang Y,Yang G,Zhang S,Ross CF,Zhu MJ

The Effects of Berberine on the Gut Microbiota in Apc ^{min/+} Mice Fed with a High Fat Diet.**Molecules (Basel, Switzerland)** , Volume: 23 Issue: 9 2018 Sep 8

Authors Wang H,Guan L,Li J,Lai M,Wen X

Impact of tart cherries polyphenols on the human gut microbiota and phenolic metabolites in vitro and in vivo.**The Journal of nutritional biochemistry** , Volume: 59 2018 Sep

Authors Mayta-Apaza AC,Pottgen E,De Bodd J,Papp N,Marasini D,Howard L,Abranko L,Van de Wiele T,Lee SO,Carbonero F

A Diverse Range of Human Gut Bacteria Have the Potential To Metabolize the Dietary Component Gallic Acid.**Applied and environmental microbiology** , Volume: 84 Issue: 19 2018 Oct 1

Authors Esteban-Torres M,Santamaría L,Cabrera-Rubio R,Plaza-Vinuesa L,Crispie F,de Las Rivas B,Cotter P,Muñoz R

Pectin Alleviates High Fat (Lard) Diet-Induced Nonalcoholic Fatty Liver Disease in Mice: Possible Role of Short-Chain Fatty Acids and Gut Microbiota Regulated by Pectin.**Journal of agricultural and food chemistry** , 2018 Jul 20

Authors Li W,Zhang K,Yang H

Bifidobacterium bifidum TMC3115 Can Characteristically Influence Glucose and Lipid Profile and Intestinal Microbiota in the Middle-Aged and Elderly.**Probiotics and antimicrobial proteins** , 2018 Jul 5

Authors Wang K,Yu X,Li Y,Guo Y,Ge L,Pu F,Ma X,Cui W,Marrota F,He F,Li M

Gut Microbiome Composition in Non-human Primates Consuming a Western or Mediterranean Diet.**Frontiers in nutrition** , Volume: 5 2018

Authors Nagpal R,Shively CA,Appt SA,Register TC,Michalson KT,Vitolins MZ,Yadav H

Changes in metabolism and microbiota after 24-week risperidone treatment in drug naïve, normal weight patients with first episode schizophrenia.**Schizophrenia research** , 2018 May 30

Authors Yuan X,Zhang P,Wang Y,Liu Y,Li X,Kumar BU,Hei G,Lv L,Huang XF,Fan X,Song X

Fecal microbiota composition changes after a BW loss diet in Beagle dogs.**Journal of animal science** , Volume: 96 Issue: 8 2018 Jul 28

Authors Salas-Mani A,Jeusette I,Castillo I,Manuelian CL,Lionnet C,Iraculis N,Sanchez N,Fernández S,Vilaseca L,Torre C

Characterization and prebiotic activity in vitro of inulin-type fructan from Codonopsis pilosula roots.**Carbohydrate polymers** , Volume: 193 2018 Aug 1

Authors Fu YP,Li LX,Zhang BZ,Paulsen BS,Yin ZQ,Huang C,Feng B,Chen XF,Jia RR,Song X,Ni XQ,Jing B,Wu FM,Zou YF

Microbiome Responses to an Uncontrolled Short-Term Diet Intervention in the Frame of the Citizen Science Project.**Nutrients** , Volume: 10 Issue: 5 2018 May 8

Authors Klimenko NS,Tyakht AV,Popenko AS,Vasiliev AS,Altukhov IA,Ischenko DS,Shashkova TI,Efimova DA,Nikogosov DA,Osipenko DA,Musienko SV,Selezneva KS,Baranova A,Kurilshikov AM,Toshchakov SM,Korzhnikov AA,Samarov NI,Shevchenko MA,Tepliuk AV,Alexeev DG

The Endotoxemia Marker Lipopolysaccharide-Binding Protein is Reduced in Overweight-Obese Subjects Consuming Pomegranate Extract by Modulating the Gut Microbiota: A Randomized Clinical Trial.**Molecular nutrition & food research** , 2018 Apr 17

Authors González-Sarriás A,Romo-Vaquero M,García-Villalba R,Cortés-Martín A,Selma MV,Espín JC

Whole Tibetan Hull-Less Barley Exhibit Stronger Effect on Promoting Growth of Genus Bifidobacterium than Refined Barley In Vitro.**Journal of food science** , Volume: 83 Issue: 4 2018 Apr

Authors Gong L,Cao W,Gao J,Wang J,Zhang H,Sun B,Yin M

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

Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes.

Frontiers in microbiology , Volume: 9 2018

Authors D`hoe K,Conterno L,Fava F,Falony G,Vieira-Silva S,Vermeiren J,Tuohy K,Raes J

Rhubarb Supplementation Promotes Intestinal Mucosal Innate Immune Homeostasis through Modulating Intestinal Epithelial Microbiota in Goat Kids.

Journal of agricultural and food chemistry , Volume: 66 Issue: 4 2018 Jan 31

Authors Jiao J,Wu J,Wang M,Zhou C,Zhong R,Tan Z

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

Genes and Gut Bacteria Involved in Luminal Butyrate Reduction Caused by Diet and Loperamide.

Genes , Volume: 8 Issue: 12 2017 Nov 28

Authors Hwang N,Eom T,Gupta SK,Jeong SY,Jeong DY,Kim YS,Lee JH,Sadowsky MJ,Unno T

<i>Bifidobacterium infantis</i> Potentially Alleviates Shrimp Tropomyosin-Induced Allergy by Tolerogenic Dendritic Cell-Dependent Induction of Regulatory T Cells and Alterations in Gut Microbiota.

Frontiers in immunology , Volume: 8 2017

Authors Fu L,Song J,Wang C,Fu S,Wang Y

A combination of quercetin and resveratrol reduces obesity in high-fat diet-fed rats by modulation of gut microbiota.

Food & function , Volume: 8 Issue: 12 2017 Dec 13

Authors Zhao L,Zhang Q,Ma W,Tian F,Shen H,Zhou M

Blockade of CB1 cannabinoid receptor alters gut microbiota and attenuates inflammation and diet-induced obesity.

Scientific reports , Volume: 7 Issue: 1 2017 Nov 15

Authors Mehrpouya-Bahrami P,Chitralla KN,Ganewatta MS,Tang C,Murphy EA,Enos RT,Velazquez KT,McCellan J,Nagarkatti M,Nagarkatti P

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

Illumina Sequencing Approach to Characterize Thiamine Metabolism Related Bacteria and the Impacts of Thiamine Supplementation on Ruminant Microbiota in Dairy Cows Fed High-Grain Diets.

Frontiers in microbiology , Volume: 8 2017

Authors Pan X,Xue F,Nan X,Tang Z,Wang K,Beckers Y,Jiang L,Xiong B

Moderate-Intensity Exercise Affects Gut Microbiome Composition and Influences Cardiac Function in Myocardial Infarction Mice.

Frontiers in microbiology , Volume: 8 2017

Authors Liu Z,Liu HY,Zhou H,Zhan Q,Lai W,Zeng Q,Ren H,Xu D

Bifidobacteria exert species-specific effects on constipation in BALB/c mice.

Food & function , Volume: 8 Issue: 10 2017 Oct 18

Authors Wang L,Hu L,Xu Q,Jiang T,Fang S,Wang G,Zhao J,Zhang H,Chen W

Dietary pomegranate extract and inulin affect gut microbiome differentially in mice fed an obesogenic diet.

Anaerobe , Volume: 48 2017 Dec

Authors Zhang S,Yang J,Henning SM,Lee R,Hsu M,Grojean E,Pisegna R,Ly A,Heber D,Li Z

Bifidobacterium pseudocatenulatum LI09 and Bifidobacterium catenulatum LI10 attenuate D-galactosamine-induced liver injury by modifying the gut microbiota

Scientific Reports , Volume: 7 2017 Aug 18

Authors Fang D,Shi D,Lv L,Gu S,Wu W,Chen Y,Guo J,Li A,Hu X,Guo F,Ye J,Li Y,Li L

Effects of oral florfenicol and azithromycin on gut microbiota and adipogenesis in mice.

PloS one , Volume: 12 Issue: 7 2017

Authors Li R,Wang H,Shi Q,Wang N,Zhang Z,Xiong C,Liu J,Chen Y,Jiang L,Jiang Q

Black Raspberries and Their Anthocyanin and Fiber Fractions Alter the Composition and Diversity of Gut Microbiota in F-344 Rats.

Nutrition and cancer , Volume: 69 Issue: 6 2017 Aug-Sep

Authors Pan P,Lam V,Salzman N,Huang YW,Yu J,Zhang J,Wang LS

Health benefit of vegetable/fruit juice-based diet: Role of microbiome

Scientific Reports , Volume: 7 2017 May 19

Authors Henning SM,Yang J,Shao P,Lee RP,Huang J,Ly A,Hsu M,Lu QY,Thames G,Heber D,Li Z

Influence of chronic azithromycin treatment on the composition of the oropharyngeal microbial community in patients with severe asthma.

BMC microbiology , Volume: 17 Issue: 1 2017 May 10

Authors Lopes Dos Santos Santiago G,Brusselle G,Dauwe K,Deschaght P,Verhofstede C,Vaneechoutte D,Deschepper E,Jordens P,Joos G,Vaneechoutte M

Berberine protects against diet-induced obesity through regulating metabolic endotoxemia and gut hormone levels.

Molecular medicine reports , Volume: 15 Issue: 5 2017 May

Authors Xu JH,Liu XZ,Pan W,Zou DJ

Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiological stress.

American journal of physiology. Gastrointestinal and liver physiology , Volume: 312 Issue: 6 2017 Jun 1

Authors Karl JP,Margolis LM,Madslien EH,Murphy NE,Castellani JW,Gundersen Y,Hoke AV,Levangie MW,Kumar R,Chakraborty N,Gautam A,Hammamieh R,Martini S,Montain SJ,Pasiakos SM

Consumption of a diet rich in Brassica vegetables is associated with a reduced abundance of sulphate-reducing bacteria: A randomised crossover study.

Molecular nutrition & food research , Volume: 61 Issue: 9 2017 Sep

Authors Kellingray L,Tapp HS,Saha S,Doleman JF,Narbad A,Mithen RF

Changes in Metabolically Active Bacterial Community during Rumen Development, and Their Alteration by Rhubarb Root Powder Revealed by 16S rRNA Amplicon Sequencing.

Frontiers in microbiology , Volume: 8 2017

Authors Wang Z,Elkwachi C,Jiao J,Wang M,Tang S,Zhou C,Tan Z,Forster RJ

Prebiotic inulin-type fructans induce specific changes in the human gut microbiota.

Gut , Volume: 66 Issue: 11 2017 Nov

Authors Vandeputte D,Falony G,Vieira-Silva S,Wang J,Sailer M,Theis S,Verbeke K,Raes J

Kodo millet whole grain and bran supplementation prevents high-fat diet induced derangements in a lipid profile, inflammatory status and gut bacteria in mice.

Food & function , Volume: 8 Issue: 3 2017 Mar 22

Authors Sarma SM,Khare P,Jagtap S,Singh DP,Baboota RK,Podili K,Boparai RK,Kaur J,Bhutani KK,Bishnoi M,Kondepudi KK

Prospective randomized controlled study on the effects of Saccharomyces boulardii CNCM I-745 and amoxicillin-clavulanate or the combination on the gut microbiota of healthy volunteers.

Gut microbes , Volume: 8 Issue: 1 2017 Jan 2

Authors Kabbani TA,Pallav K,Dowd SE,Villafuerte-Galvez J,Vanga RR,Castillo NE,Hansen J,Dennis M,Leffler DA,Kelly CP

Early-Life Sugar Consumption Affects the Rat Microbiome Independently of Obesity.

The Journal of nutrition , Volume: 147 Issue: 1 2017 Jan

Authors Noble EE,Hsu TM,Jones RB,Fodor AA,Goran MI,Kanoski SE

Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome.

Diabetes , Volume: 66 Issue: 2 2017 Feb

Authors Sung MM,Kim TT,Denou E,Softys CM,Hamza SM,Byrne NJ,Masson G,Park H,Wishart DS,Madsen KL,Schertzer JD,Dyck JR

Clinical characteristics and antimicrobial susceptibilities of anaerobic bacteremia in an acute care hospital.

Anaerobe , Volume: 43 2017 Feb

Authors Tan TY,Ng LS,Kwang LL,Rao S,Eng LC

Assessment of the prebiotic effect of quinoa and amaranth in the human intestinal ecosystem.

Food & function , Volume: 7 Issue: 9 2016 Sep 14

Authors Gullón B,Gullón P,Tavaria FK,Yáñez R

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

Microbiome-Metabolome Responses in the Cecum and Colon of Pig to a High Resistant Starch Diet.

Frontiers in microbiology , Volume: 7 2016

Authors Sun Y,Su Y,Zhu W

A Pathogen-Selective Antibiotic Minimizes Disturbance to the Microbiome.

Antimicrobial agents and chemotherapy , Volume: 60 Issue: 7 2016 Jul

Authors Yao J,Carter RA,Vuagniaux G,Barbier M,Rosch JW,Rock CO

Mediterranean diet and faecal microbiota: a transversal study.

Food & function , Volume: 7 Issue: 5 2016 May 18

Authors Gutiérrez-Díaz I,Fernández-Navarro T,Sánchez B,Margolles A,González S

Manipulation of the gut microbiota using resistant starch is associated with protection against colitis-associated colorectal

[cancer in rats.](#)

Carcinogenesis , Volume: 37 Issue: 4 2016 Apr

Authors Hu Y,Le Leu RK,Christophersen CT,Somashekar R,Conlon MA,Meng XQ,Winter JM,Woodman RJ,McKinnon R,Young GP

[High Molecular Weight Barley \$\beta\$ -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk.](#)

Frontiers in microbiology , Volume: 7 2016

Authors Wang Y,Ames NP,Tun HM,Tosh SM,Jones PJ,Khafipour E

[Lingonberries reduce atherosclerosis in Apoe\(-/-\) mice in association with altered gut microbiota composition and improved lipid profile.](#)

Molecular nutrition & food research , Volume: 60 Issue: 5 2016 May

Authors Matziouridou C,Marungruang N,Nguyen TD,Nyman M,Fåk F

[Extrusion of barley and oat influence the fecal microbiota and SCFA profile of growing pigs.](#)

Food & function , Volume: 7 Issue: 2 2016 Feb

Authors Moen B,Berget I,Rud I,Hole AS,Kjos NP,Sahlström S

[The Effect of Lactobacillus casei 32G on the Mouse Cecum Microbiota and Innate Immune Response Is Dose and Time Dependent.](#)

PloS one , Volume: 10 Issue: 12 2015

Authors Aktas B,De Wolfe TJ,Tandee K,Safdar N,Darien BJ,Steele JL

[Modulation of the gut microbiota composition by rifaximin in non-constipated irritable bowel syndrome patients: a molecular approach](#)

Clinical and Experimental Gastroenterology , Volume: 8 2015 Dec 4

Authors Soldi S,Vasileiadis S,Uggeri F,Campanale M,Morelli L,Fogli MV,Calanni F,Grimaldi M,Gasbarrini A

[Two Healthy Diets Modulate Gut Microbial Community Improving Insulin Sensitivity in a Human Obese Population.](#)

The Journal of clinical endocrinology and metabolism , Volume: 101 Issue: 1 2016 Jan

Authors Haro C,Montes-Borrego M,Rangel-Zúñiga OA,Alcalá-Díaz JF,Gómez-Delgado F,Pérez-Martínez P,Delgado-Lista

J,Quintana-Navarro GM,Tinahones FJ,Landa BB,López-Miranda J,Camargo A,Pérez-Jiménez F

[Modulation of gut microbiota by berberine and metformin during the treatment of high-fat diet-induced obesity in rats.](#)

Scientific reports , Volume: 5 2015 Sep 23

Authors Zhang X,Zhao Y,Xu J,Xue Z,Zhang M,Pang X,Zhang X,Zhao L

[Effect of Whole-Grain Barley on the Human Fecal Microbiota and Metabolome.](#)

Applied and environmental microbiology , Volume: 81 Issue: 22 2015 Nov

Authors De Angelis M,Montemurno E,Vannini L,Cosola C,Cavallo N,Gozzi G,Maranzano V,Di Cagno R,Gobbetti M,Gesualdo L

[The gut microbial community in metabolic syndrome patients is modified by diet.](#)

The Journal of nutritional biochemistry , Volume: 27 2016 Jan

Authors Haro C,García-Carpintero S,Alcala-Diaz JF,Gomez-Delgado F,Delgado-Lista J,Perez-Martinez P,Rangel Zúñiga

OA,Quintana-Navarro GM,Landa BB,Clemente JC,Lopez-Miranda J,Camargo A,Perez-Jimenez F

[Candida albicans commensalism in the gastrointestinal tract.](#)

FEMS yeast research , Volume: 15 Issue: 7 2015 Nov

Authors Neville BA,d`Enfert C,Bougnoux ME

[The effect of dietary resistant starch type 2 on the microbiota and markers of gut inflammation in rural Malawi children.](#)

Microbiome , Volume: 3 2015 Sep 3

Authors Ordiz MI,May TD,Mihindukulasuriya K,Martin J,Crowley J,Tarr PI,Ryan K,Mortimer E,Gopalsamy G,Maleta K,Mitreva

M,Young G,Manary MJ

[In vitro fermentation of lupin seeds \(Lupinus albus\) and broad beans \(Vicia faba\): dynamic modulation of the intestinal microbiota and metabolomic output.](#)

Food & function , Volume: 6 Issue: 10 2015 Oct

Authors Gullón P,Gullón B,Tavaria F,Vasconcelos M,Gomes AM

[Modulation of gut microbiota in rats fed high-fat diets by processing whole-grain barley to barley malt.](#)

Molecular nutrition & food research , Volume: 59 Issue: 10 2015 Oct

Authors Zhong Y,Nyman M,Fåk F

[Wheat and barley differently affect porcine intestinal microbiota.](#)

Journal of the science of food and agriculture , Volume: 96 Issue: 6 2016 Apr

Authors Weiss E,Aumiller T,Spindler HK,Rosenfelder P,Eklund M,Witzig M,Jørgensen H,Bach Knudsen KE,Mosenthin R

[In vitro characterisation of the fermentation profile and prebiotic capacity of gold-fleshed kiwifruit.](#)

Beneficial microbes , Volume: 6 Issue: 6 2015

Authors Blatchford P,Bentley-Hewitt KL,Stoklosinski H,McGhie T,Gearry R,Gibson G,Ansell J

[Comparative in vitro fermentations of cranberry and grape seed polyphenols with colonic microbiota.](#)

Food chemistry , Volume: 183 2015 Sep 15

Authors Sánchez-Patán F,Barroso E,van de Wiele T,Jiménez-Girón A,Martín-Alvarez PJ,Moreno-Arribas MV,Martínez-Cuesta

MC,Peláez C,Requena T,Bartolomé B

[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

[Intestinal microbial dysbiosis and colonic epithelial cell hyperproliferation by dietary a-mangostin is independent of mouse strain.](#)

Nutrients , Volume: 7 Issue: 2 2015 Jan 22

Authors Gutierrez-Orozco F,Thomas-Ahner JM,Galley JD,Bailey MT,Clinton SK,Lesinski GB,Failla ML

[Effect of *Lactobacillus rhamnosus* hsrlym 1301 on the Gut Microbiota and Lipid Metabolism in Rats Fed a High-Fat Diet.](#)

Journal of microbiology and biotechnology , Volume: 25 Issue: 5 2015 May

Authors Chen D,Yang Z,Chen X,Huang Y,Yin B,Guo F,Zhao H,Huang J,Wu Y,Gu R

[Longitudinal shifts in bacterial diversity and fermentation pattern in the rumen of steers grazing wheat pasture.](#)

Anaerobe , Volume: 30 2014 Dec

Authors Pitta DW,Pinchak WE,Dowd S,Dorton K,Yoon I,Min BR,Fulford JD,Wickersham TA,Malinowski DP

[Lactobacillus plantarum IFPL935 impacts colonic metabolism in a simulator of the human gut microbiota during feeding with red wine polyphenols.](#)

Applied microbiology and biotechnology , Volume: 98 Issue: 15 2014 Aug

Authors Barroso E, Van de Wiele T,Jiménez-Girón A,Muñoz-González I,Martín-Alvarez PJ,Moreno-Arribas MV,Bartolomé B,Peláez C,Martínez-Cuesta MC,Requena T

[454 pyrosequencing reveals changes in the faecal microbiota of adults consuming *Lactobacillus casei* Zhang](#)

FEMS microbiology ecology , Volume: 88 Issue: 3 2014 Jun

Authors Zhang J,Wang L,Guo Z,Sun Z,Gesudu Q,Kwok L,Menghebilige,Zhang H

[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

[Associations between the human intestinal microbiota, *Lactobacillus rhamnosus* GG and serum lipids indicated by integrated analysis of high-throughput profiling data.](#)

PeerJ , Volume: 1 2013

Authors Lahti L,Salonen A,Kekkonen RA,Salojärvi J,Jalanka-Tuovinen J,Palva A,Orešić M,de Vos WM

[Comparative analysis of microbial profiles in cow rumen fed with different dietary fiber by tagged 16S rRNA gene pyrosequencing.](#)

Current microbiology , Volume: 67 Issue: 2 2013 Aug

Authors Thoetkiattikul H,Mhuantong W,Laathanachareon T,Tangphatsornruang S,Pattarajinda V,Eurwilaichitr L,Champreda V

[Gut microbiome composition is linked to whole grain-induced immunological improvements.](#)

The ISME journal , Volume: 7 Issue: 2 2013 Feb

Authors Martínez I,Lattimer JM,Hubach KL,Case JA,Yang J,Weber CG,Louk JA,Rose DJ,Kyureghian G,Peterson DA,Haub MD,Walter J

[Structural changes of gut microbiota during berberine-mediated prevention of obesity and insulin resistance in high-fat diet-fed rats.](#)

PloS one , Volume: 7 Issue: 8 2012

Authors Zhang X,Zhao Y,Zhang M,Pang X,Xu J,Kang C,Li M,Zhang C,Zhang Z,Zhang Y,Li X,Ning G,Zhao L

[The antimicrobial resistance pattern of cultured human methanogens reflects the unique phylogenetic position of archaea.](#)

The Journal of antimicrobial chemotherapy , Volume: 66 Issue: 9 2011 Sep

Authors Dridi B,Fardeau ML,Ollivier B,Raoult D,Drancourt M

[Rifaximin modulates the colonic microbiota of patients with Crohn`s disease: an in vitro approach using a continuous culture colonic model system.](#)

The Journal of antimicrobial chemotherapy , Volume: 65 Issue: 12 2010 Dec

Authors Maccaferri S,Vitali B,Klinder A,Kolida S,Ndagijimana M,Laghi L,Calanni F,Brigidi P,Gibson GR,Costabile A

[Short-term antibiotic treatment has differing long-term impacts on the human throat and gut microbiome.](#)

PloS one , Volume: 5 Issue: 3 2010 Mar 24

Authors Jakobsson HE,Jernberg C,Andersson AF,Sjölund-Karlsson M,Jansson JK,Engstrand L

[Human gut bacterial communities are altered by addition of cruciferous vegetables to a controlled fruit- and vegetable-free diet.](#)

The Journal of nutrition , Volume: 139 Issue: 9 2009 Sep

Authors Li F,Hullar MA,Schwarz Y,Lampe JW

[Exopolysaccharides produced by intestinal Bifidobacterium strains act as fermentable substrates for human intestinal bacteria.](#)

Applied and environmental microbiology , Volume: 74 Issue: 15 2008 Aug

Authors Salazar N,Gueimonde M,Hernández-Barranco AM,Ruas-Madiedo P,de los Reyes-Gavilán CG

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

The effect of sucrose or starch-based diet on short-chain fatty acids and faecal microflora in rats.

Journal of applied microbiology , Volume: 86 Issue: 2 1999 Feb

Authors Cresci A,Orpianesi C,Silvi S,Mastrandrea V,Dolara P

Metronidazole. A therapeutic review and update.

Drugs , Volume: 54 Issue: 5 1997 Nov

Authors Freeman CD,Klutman NE,Lamp KC

Effects of inulin and lactose on fecal microflora, microbial activity, and bowel habit in elderly constipated persons.

The American journal of clinical nutrition , Volume: 65 Issue: 5 1997 May

Authors Kleessen B,Sykura B,Zunft HJ,Blaut M

In vitro evaluation of activities of nitazoxanide and tizoxanide against anaerobes and aerobic organisms.

Antimicrobial agents and chemotherapy , Volume: 40 Issue: 10 1996 Oct

Authors Dubreuil L,Houcke I,Mouton Y,Rossignol JF

Comparison of populations of human faecal bacteria before and after in vitro incubation with plant cell wall substrates.

The Journal of applied bacteriology , Volume: 62 Issue: 3 1987 Mar

Authors Slade AP,Wyatt GM,Bayliss CE,Waite WM

Additional sources and private correspondence

Private Correspondance , Volume: 1 Issue: 2018

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-lactic 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
liver fibrosis
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