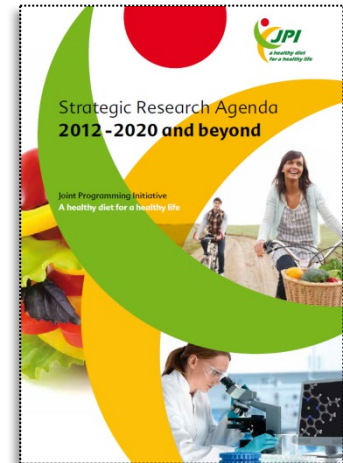


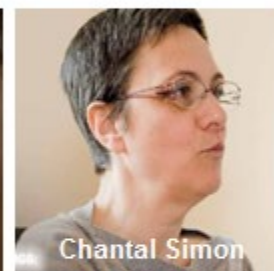


The Scientific Advisory Board

the Strategic Research Agenda



The Scientific Advisory Board



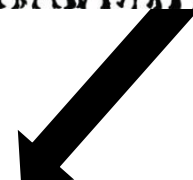
HOW WE WORK



SHAB



SAB



@#!*

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L



Joint Actions (prioritised)

Joint Research Activities defined as of highest priority by SAB & SHAB

DEDIPAC Knowledge Hub (DEDIPAC KH)

Effectiveness of existing policies for lifestyle interventions

Biomarkers in Nutrition and Health (BioNH)

Knowledge platform for intestinal microbiomics

Food processing and modelling

European Nutritional Phenotype Assessment DATA Sharing Initiative (ENPADASI)

Nutrition and cognitive function

Identification, prevention and treatment of malnutrition

Joint Research Activities defined as of highest priority by SAB & SHAB

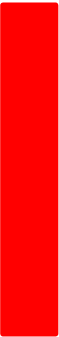


Effectiveness of existing policies for lifestyle interventions



Knowledge platform for intestinal microbiomics

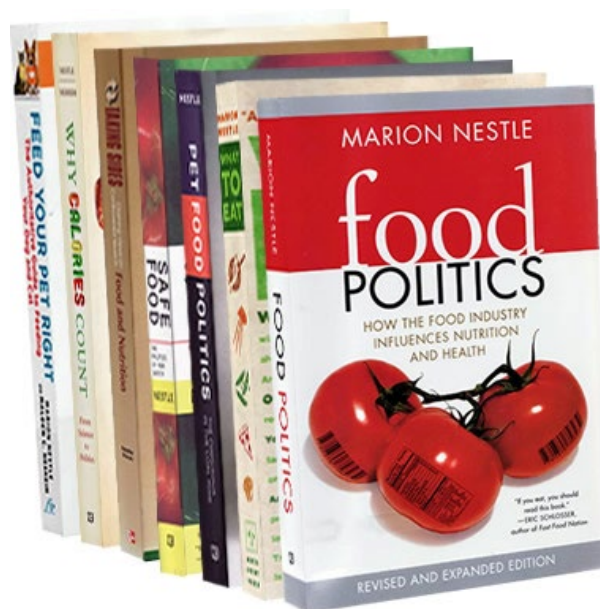
Food processing and modelling



Nutrition and cognitive function

Identification, prevention and treatment of malnutrition

Effectiveness of existing policies for lifestyle interventions



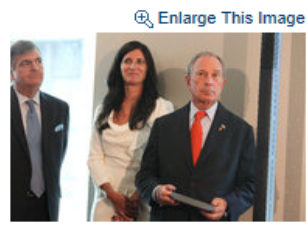
Effectiveness of existing policies for lifestyle interventions



Appeals Court Rules Against Bloomberg Beverage Restrictions

By E. C. GOGOLAK
Published: July 30, 2013

An appeals court on Tuesday [unanimously upheld a decision](#) striking down New York City's restrictions on the sale of large, sugary drinks, dealing a serious blow to Mayor Michael R. Bloomberg's hopes of reviving the rule before his term runs out.



Michelle V. Agins/The New York Times
Mayor Michael Bloomberg at the grand opening of a Manhattan hotel on Tuesday; he called a ruling a "temporary setback."

The court, the First Department of the Appellate Division of State Supreme Court in Manhattan, concurred with a lower court's ruling that the city's Board of Health, appointed by the mayor, overstepped its bounds as a nonlegislative body by approving the rule. The justices also said that the various exceptions and carve-outs in the rule demonstrated that the board was concerned with matters beyond its core mission to improve public health.

Hungary Tries a Dash of Taxes to Promote Healthier Eating Habits



Akos Ollner for The New York Times

Sausages for sale in Budapest. Nearly two-thirds of Hungarians are overweight or obese.

By SUZANNE DALEY
Published: March 2, 2013

BUDAPEST — Gizella Beres Devenyi, who works behind the cash register at the delicatessen Zena in a working-class neighborhood here, says it is easy to see [Hungary's](#) new salt tax at work.

FACEBOOK
 TWITTER
 GOOGLE+



Danes have been taxed 16 Danish kroner per kilogram of saturated fat in foods with a saturated fat content that exceeds 2.3%.

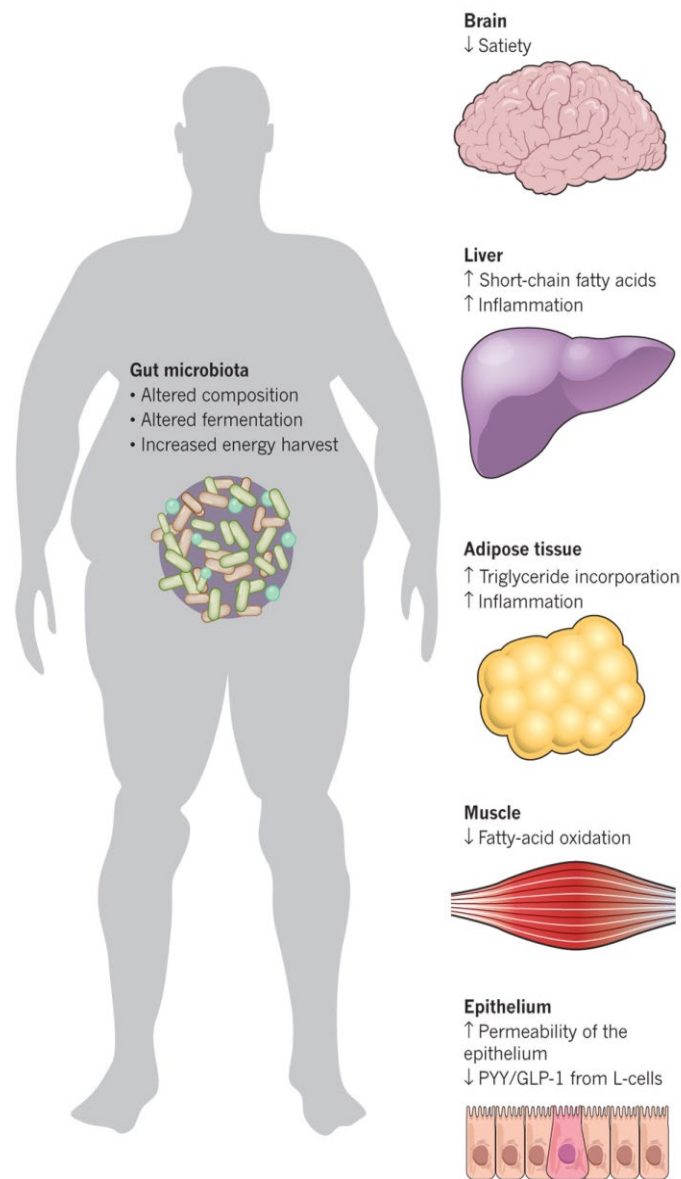
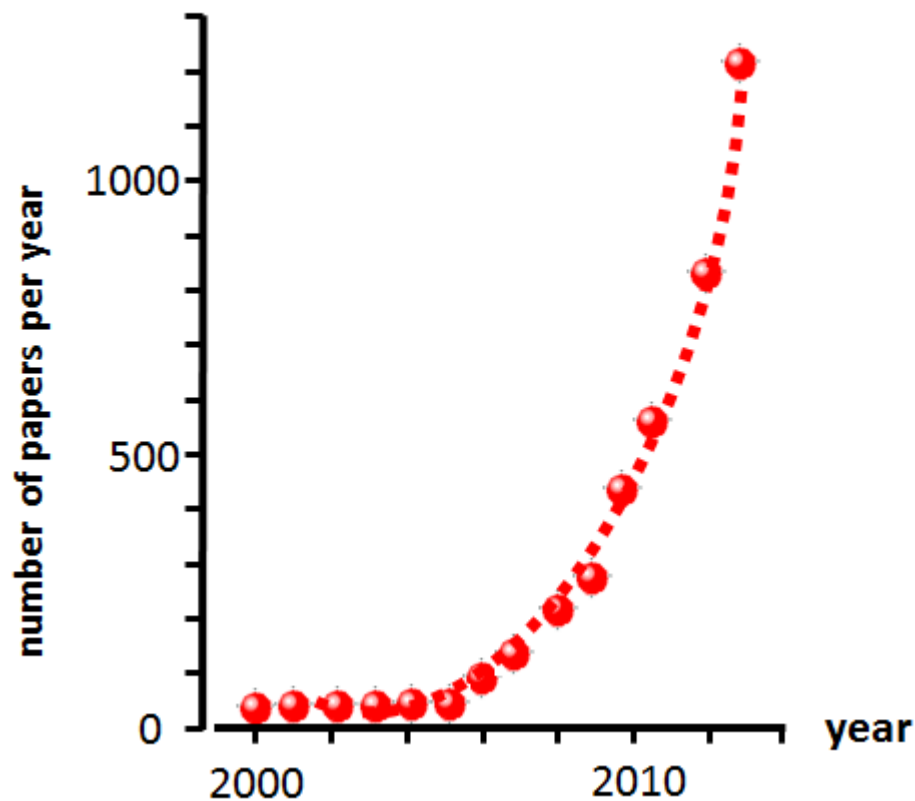
Knowledge platform for intestinal microbiomics

Knowledge platform for intestinal microbiomics



Knowledge platform for intestinal microbiomics

PubMed-entries „gut microbiota“



Knowledge platform for intestinal microbiomics

The image displays three stacked screenshots of the NCBI PubMed website, illustrating a search process for intestinal microbiomics research. Each screenshot shows the standard PubMed interface with a search bar, filters, and search results.

Top Screenshot: Search for 'gut microbiome'

- Search Bar:** PubMed, gut microbiome
- Display Settings:** Summary, 20 per page, Sorted by Recently Added
- Results:** 1 to 20 of 4232
- Featured Article:** Human Microbiome Project (HMP). HMP is an NIH initiative aimed at identifying and characterizing the microbial flora of healthy and diseased individuals. [Selected articles](#) [HMP Consortium](#)

Middle Screenshot: Search for 'gut microbiome standardisation'

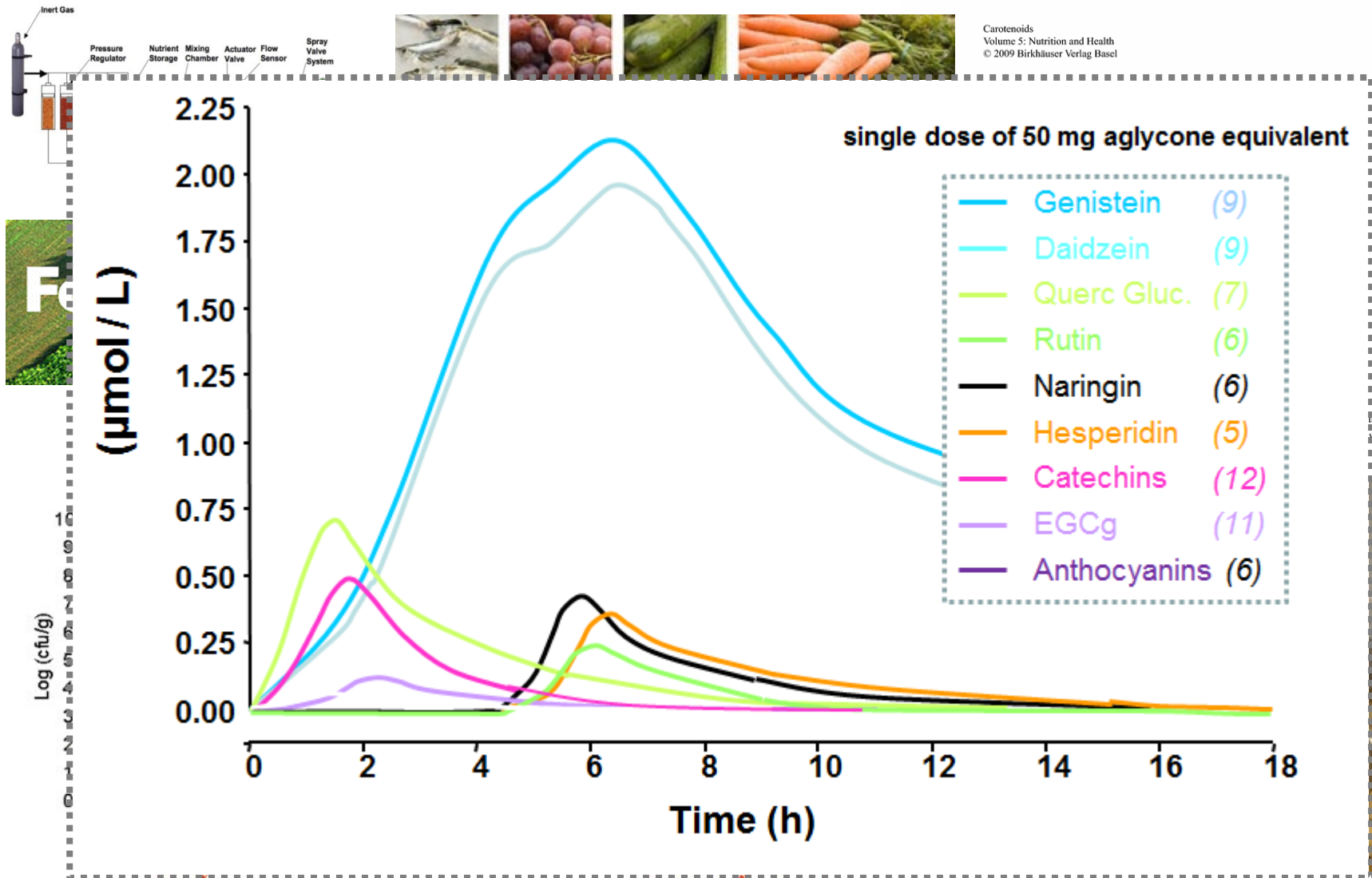
- Search Bar:** PubMed, gut microbiome standardisation
- Display Settings:** Summary, Sorted by Recently Added
- Results:** 3

Bottom Screenshot: Search for 'gut microbiome validation'

- Search Bar:** PubMed, gut microbiome validation
- Display Settings:** Summary, 20 per page, Sorted by Recently Added
- Results:** 1 to 20 of 33
- Search Results:**
 - ☐ [Validation of candidate reference genes in Bifidobacterium adolescentis for gene expression normalization](#)
 - 1. [normalization](#)
 - Stenico V, Baffoni L, Gaggia F, Biavati B. Anaerobe. 2014 Mar 19. pii: S1075-9964(14)00023-7. doi: 10.1016/j.anaerobe.2014.03.004. [Epub ahead of print] PMID: 24657392 [PubMed - as supplied by publisher]

Food processing and modelling

Food processing and modelling



Food processing and modelling

IN PURSUIT OF STANDARDISATION



defined by all means for its constituents

Energy content and density per volume

Lipids (amount, classes, fatty acid pattern)

Protein (amount, source, amino acid pattern)

Carbohydrates (amount, class, type)

Vitamins (amount, class, specific form)

Minerals and trace elements (all, specific form)



defined by all means for its constituents including a mixture of secondary plant constituents for assessing human responses and variance of the microbiota

Nutrition and cognitive function

Nutrition and cognitive function

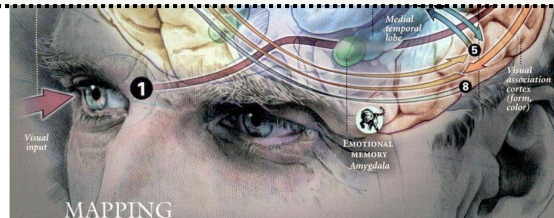


The Journal of Nutrition, Health & Aging®
Volume 16, Number 7, 2012

FRUIT, VEGETABLES AND PREVENTION OF COGNITIVE DECLINE OR DEMENTIA: A SYSTEMATIC REVIEW OF COHORT STUDIES

JPI - Neurodegenerative Diseases

The Joint Programming Initiative on Neurodegenerative Diseases (JPND) is a joint European research program for neurodegenerative diseases.



Institute of Transcultural Health Science, Frankfurt

to be associated with a currently unsupported ALOIS, the Cochrane cohort studies with a s disease or cognitive lies with a total of 44 ately and five of them d risk of dementia or egetable consumption r risk of dementia and o valid for high fruit

Intervention for AD Prevention?

- restriction^b
- hydrate, ketogenic diet^c
- Supplementation (folic acid, B₆, B₁₂)^d
- Mental/social stimulation^e
- Mediterranean diet^f

a. Balsamo S, et al. *Int J Gen Med*. 2013;6:387-391^[7]; Geda YE, et al. *J Alzheimers Dis*. 2013;34:501-507^[8]; c. Van der Auwera I, et al. *Nutr Metab*. 2005;2:28^[10]; d. Smith AD, et al. *PLoS ONE*. 2010;5:e12244^[11]; e. Luitenberg K, et al. *J Am Geriatr Soc*. 2012;60:830-840^[12]; f. Hu N, et al. *BioMed Res Int*. 2013.^[13]

Identification, prevention and treatment of malnutrition

Identification, prevention and treatment of malnutrition

Overcoming

Malnutrition

↑ **Prevalence**



Malnourished

5-20% in home care
15-35% in hospitals
10-75% in nursing homes

At risk

32% in community
47% in hospital

↑ **Consequences**

↑ health care costs : *170 billion in Europe*
↓ ↓ healthy & active life
↑ risks & adverse clinical outcomes (frailty/sarcopenia/ infections/wound healing)
↑ length of stay at hospital / ↑ long term care

Intervention

Most malnutrition is preventable & manageable & relatively inexpensive

- Awareness & education (general population, professionals, care-givers, managers, policy)
- Screening, assessment, treatment, monitoring
- Concerted, coordinated management & policy action

