



"This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 312090.



BACCHUS:

BACCHUS is a four-year research project with 28 Beneficiaries including 16 SMEs from 11 countries, led by the Institute of Food Research (IFR, UK). The main objective of BACCHUS is to develop tools and resources that will help generate robust and exploitable scientific evidence to support claims of a cause-and-effect relationship between consumption of bioactive peptides and polyphenols, and beneficial physiological effects related to cardiovascular health in humans.

The Situation

In past years, we have seen a growing occurrence of cardiovascular disease (CVD), which currently is responsible for 47% of deaths in Europe. As demonstrated by ever growing healthcare costs, which currently total ca. €195 billion (£157 bn), measures to reverse this trend are essential.

Despite numerous potential health claim submissions to the European Food Safety Authority (EFSA), only very few dossier describing a cause-and-effect relationship between bioactive peptides or polyphenols and beneficial effects in humans has been given a favourable opinion.

Benefits for SME industry:

This approach will deliver:

- tools
- processes
- scientific results
- best practice guidelines

These will be made publically available and support future health claims.

Outcomes

One of the main BACCHUS outcomes will be that at least 9 SMEs in the project and 1 RTD organisation will be able to develop new improved products and ingredients including Ellagitannin- rich pomegranate (ADMIRA); polyphenolsenriched apple products (CORRESENCE); catechin and flavonol glycoside-rich apple extracts (VITO); polyphenol-enriched chokeberry juice (NUTRIKA); Hesperion sweet orange extract (BIOACTOR); novel ellagitannin-rich varieties and products (Lerum); bioactive peptide-enriched meats and meat products (VAQUERO & VALDYCOMER); Tensiocontrol (BIOACTOR) and lunasin-rich wheat pasta and breads (KEE & BIOAESIS)..



The Approach

Existing food products, developed by SMEs, with clear potential for favourable health claim opinions, have been selected and aligned with research addressing key aspects of the EFSA health claim evaluation (e.g. legislation and dossiers, product bioactive characterisation, intake and bioavailability, mechanisms of action and biomarkers, randomised controlled trials).



Participants

The 28 beneficiaries of BACCHUS are: Institute of Food Research (UK), University of Leeds (UK), Türkiye Bilimsel ve Teknolojik Arastirma Kurumu (TR), Agencia estatal consejo superior de investigaciones (ES), NOFIMA (Norway), University College Cork (IE), Institut za Medicinska Istra Ivanja (Serbia), Universita di Bologna (IT), Universiteit Gent (BE), Vlaamse Instelling voor Technologisch Onderzoek NV (BE), LGC Ltd. (UK), Helsingin Yliopisto (FI), British Nutrition Foundation (UK), EuroFIR AISBL (BE), Pamida International SRO (SK), CREME Software Ltd. (IE), Valdycomer SA (ES), Industrias Carnicas VAQUERO (ES), Wagralim AISBL (BE), Critical Processes Ltd. (UK), Coressence Ltd. (UK), Laboratorios Admira sl. (ES), Bioaesis srl. (IT), Kamut Enterprises of Europe BVBA (BE), Bioactor BV (NL), Prodigest (BE), Nutrika doo (Serbia) and Fundacion Universitaria San Antonio de Cartagena (ES)



Coordinator:

Paul Kroon
Institute of Food Research
Norwich Research Park
Colney Lane, Norwich
NR4 7UA, UK

Telephone: +44 1603 251 431
Fax: +44 1603 251 470
E-mail: ifr.bacchus@ifr.ac.uk or
contact@bacchus-fp7.eu

For more information visit:

<http://www.bacchus-fp7.eu>