

# preventomics

## Empowering consumers to prevent diet-related diseases through omic sciences

PREVENTOMICS builds a new paradigm in preventive personalised nutrition based on the potential of omics and behavioural flexibility.

New integration of genetic, nutritional and psychological factors thanks to the application of state-of-the-art metabolomics technologies and computational modelling to assess the real incidence of disease-inducing factors on the organism.

The main outcome from PREVENTOMICS is a **novel mFood Platform**, a unique-in-its-kind service, interoperable with current existing Apps for monitoring health status and with personalised nutrition software, thus opening the door to the personalisation of any type of health treatment where combinations of genetic, biological, nutritional and psychological factors are important.

PREVENTOMICS will be validated in three different case scenarios, performing relevant interventional studies with healthy and obese volunteers, to demonstrate its potential for personalisation of nutrition at the three levels of the food value chain (processing and distribution, marketing and consuming closest to the end-users).



### Modular predictive DSS

Different disease-inducing metabolic signatures to provide personalised nutrition from simple blood and urine samples.



### Functional ingredients

Adapted to personalised nutrition needs.



### Behaviour change

Personalised, digital and remote prompts to increase behavioural flexibility.



### Dynamic software platform

To elaborate and deliver personalised nutritional advices in constant evolution with the user and expand behavioural flexibility.



### Personalised shopping experience and food manufacturing

Big Data and Artificial Intelligence technologies for diet customisation and a new service of personalised food manufacturing and delivery leveraging for the food industry.

## Contact us

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## Consortium



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