

Food4Health Workshop

Bringing innovations for
healthy eating to the market

Rotterdam | 15-16 May 2019

www.eitfood.eu and www.eithealth.eu



EIT Food and EIT Health are supported by the
EIT, a body of the European Union

EIT Health and EIT Food collaborate for healthy eating

Food4Health, a collaboration between EIT Health and EIT Food, was established to help bring innovations for healthy eating to the market.

A nutritionally balanced diet is integral to maintaining a healthy mind and body. Yet, making healthy food choices is not always as easy as it seems. Lifestyle-related diseases, such as obesity, metabolic syndrome and type 2 diabetes, are commonly caused by excess calorie intake and the consumption of foods high in salt, sugar and fat. What's more, the prevalence of these diseases is on the rise, suggesting that there is a lack of awareness of the importance of food in overall health and wellbeing.

Our nutrition requirements also vary depending on our stage of life and our physical and/or emotional condition. With the right advice, food can also be used as a means to prevent or recover faster from illness. To take full advantage of this, however, requires further understanding of the role food can play in healthcare interventions.

Recognising that these issues are best addressed via a multisector approach, EIT Health and EIT Food have combined forces to build the Food4Health collaboration. Through joint activities, the strengths and expertise of the partners of both networks can be leveraged to make a greater impact in the area of food and health.

Objectives of the Food4Health collaboration

Food4Health was launched in 2019, and the first year's main objective is to establish the foundation of collaboration between EIT Health and EIT Food. This will be achieved by:

- Stimulating the creation of new added-value products that connect food and health.
- Building two complementary business cases, in the area of Food for Health, that focus on:
 - healthy citizen and daily nutrition habits;
 - specific patient groups and the clinical impact of personalised nutrition approaches on health outcomes.
- Initiating two top-down projects based on these business cases, where partners from both networks will be invited to apply to participate in the project execution.
- Engaging the partners of both networks in joint activities related to innovation, business creation, education and communication.

Goal of this workshop

We want to facilitate collaboration between the two networks and stimulate new projects ideas. During this workshop, the partners will learn more about the Food4Health collaboration and how they can be involved. There will also be opportunities to discuss future project ideas and other activities for sustaining the Food4Health collaboration into 2020 and beyond. Expertise of the partners of both networks can be leveraged to make a greater impact in the area of food and health.

Workshop agenda

Wednesday 15 May

12:00 – 13:00	Networking lunch
13:00 - 13:10	Welcome and introduction to the program
13:10 - 14:15	Presentation of EIT Food, EIT Health and Food4Health Collaboration
14:15 - 15:00	Plenary lecture - Shawna Butler, Radboud UMC
15:00 - 15:30	Coffee break
15:30 - 17:00	Breakout session Consumer behaviour and a healthy diet
15.30 - 17.00	Breakout session Food intake in clinically relevant situations
17.00 - 17.30	Outcomes from breakout sessions
18.30 - 22.00	<i>Networking dinner – Café Rotterdam</i>

Thursday 16 May

08:30 - 09:00	Arrival & Coffee
09:00 - 09:20	Welcome and introduction to Food4Health
09:20 - 09:30	Presentation on the sustainability of Food4Health and Q&A
09:30 - 10:15	Plenary lecture - Pauline Jansen, Erasmus University
10:15 - 10:45	Coffee break
10:45 - 12:15	Breakout sessions 4 workshops on future project ideas
12:15 - 13:00	Outcomes and next steps
13:00 - 14:00	<i>Networking lunch</i>

Workshop Participants

Name	Organisation	Food4Health Interests
Imran Afzal	PepsiCo	Deliver better and more appealing nutrition to consumers.
Seungha Baek	Aarhus University	My area is about public food procurement such as school meals. Along with policy experiences in local food systems, I am interested in making institutional collaboration in relation to consumer behaviour.
Chiara Baudracco	Eurecat	Explore synergies and potential collaborations to develop eHealth solutions (self-management apps) addressed to citizens, to be able to ensure behavioural changes in their diets.
Max Birk	Eindhoven University of Technology	My expertise is in HCI, specifically in designing for adherence using game-based motivational design strategies. I have expertise in applying and researching video game elements for increase motivation and engagement with health applications in crowdsourcing contexts.
Alberto Borraccino	Department of Public Health and Paediatrics, University of Torino	Working in the Department of Public Health and Paediatrics after a long course in Public Health and Community Medicine research and intervention evaluation. Involved in adolescent health international surveys and epidemiological analysis. Food has a central role in community wellbeing both in the healthy and in a less health community.
Tim Chambers	Imperial College London	We are committed to improving the food environment through multi-stakeholder action. Our current focus is on improving this for children to curb childhood obesity through innovative ideas and policy actions. We have expertise in supporting demand and supply side innovations that drive consumers towards healthier options.
Betty Chang	European Food Information Council	We conduct consumer science research into healthy and unhealthy eating.
Maria Chavarri	TECNALIA	TECNALIA's Health division is focused in 4 main areas: reengineering, medical robotics, biomaterials and Health-and-food. I have more than 20 years R&D experience in the field of biotechnology, food science, probiotics, and nutritional status. My research interest is focused in obtaining bioactive compounds from plants, understanding their functional activities and going into more depth on probiotics, with the objective of developing functional foods

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Name	Organisation	Food4Health Interests
Álvaro Cristóbal	LEITAT / Acondicionamiento Tarrasense	<p>Leitat, with a multidisciplinary research team working on NUTRITION & FOOD sciences, collaborates with companies and institutions for R&D and innovation on: food quality studies, ADME-Tox, microbiome, pro/prebiotics nutrients transformation and absorption, energetic metabolism, contaminants, allergies/intolerances, or agro-sustainable food.</p> <p>More than fifteen years of experience on preclinical investigation to: identify, generate and validate therapeutic targets (antibodies, chemical compounds), study mechanisms of action, functional characterization, and in vitro and in vivo models (preclinical proof-of-principle).</p> <p>We would be interested to join research initiatives addressing the interconnection between food intake, disease and microbiome.</p>
Andrea Cruciani	Agricolus s.r.l.	Safety and security of food influences directly the human health. Agricolus aim is to support farmers in producing healthier food with high attention to the environment. We can offer our expertise in reducing environmental cost of agricultural production and increase food safety and security.
Montse Cruz	Universitat de Barcelona	<p>We have been already active in EIT Health projects related to Food and nutrition during the last few years, both from our institute for Food Safety and Nutrition, (INSA) and several different faculties (Pharmacy, Biology, Medical and Health Sciences, Psychology, Economics, Physics, Informatics, Communication, etc).</p> <p>Some relevant projects where we participate are Injoy Summer School to improve eating behaviours to support healthy ageing, Validithi where we develop the image recognition technology to quantify food intake, and Cook2health where we are involved in the metabolomic analysis, biomarkers and dietary assessment.</p>
Erik Dam	NutriLeads	NutriLeads is a scale up and we develop Health Ingredients with clinically proven health benefits for several food applications. We are highly interested in the impact of nutrition and food on human health.

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Name	Organisation	Food4Health Interests
Paola De Bernardi	University of Turin	My expertise is to analyse and find new SME-led business models driven by innovation technology that could respond to food system challenges (i.e. local food value chains based on a digital platform which can easily meet consumer expectations). Innovative supply chains and novel food systems (circular and zero waste oriented) may address consumer sustainability attitude, behaviour and healthy challenges.
Daniela Dias-Santos	EIT Health Innostars	Food consumption and cancer
Wolfgang Eberle	Imec	Imec works on technologies that help ensuring health and a healthy lifestyle: From wearable or ingestible sensors to apps and algorithms influencing your behavior. We are active in joint R&D up to low-volume production as well as in business creation and supporting ventures.
Kristian Enkvist	Smile Incubator	
Sarah Fisher	Johnson & Johnson	In Healthcare, we now focus on understanding the role we can play in prevention rather than treatment of disease only. One of the ways we have been looking to contribute value is in exploring the role of nutrition in prevention and treatment, and, exploring the role of natural compounds in clinical trials for prevention of disease onset. These two industry verticals need to speak to each other in order to full understand the role we play in affecting the health of populations.
Fabio Fracchetti	MICROBION	New tools for microbe identification and tracking based on our patented technology. This technology will have huge impact on probiotic products and other food supplements containing live bacteria/yeast, especially in substantiation of health claims.
Pilar Gangas	FIIBAP	Health related project brokerage, with food intake being one key element of healthy living.
Murray Gardner	University of Oxford	I act strategically for Oxford University developing R&D collaborations between industry, the third sector and our academic research base. With a focus on the biosciences I represent interests which span the remit of both EIT Health & EIT Food.

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Santiago Garmendia	BeYou	Collaborations between Food and Health are essential to bringing better and innovative solutions to consumers to help them on the journey of behaviour change and a healthy diet.
Kurt Gebruers	Katholieke Universiteit Leuven	
Pablo Gómez Rodríguez	ACESUR	Interested in collaborating on metabolic syndrome related sickness via active food intake and food by-products.
Ewa Guzek	EIT Health Innostars	EIT Health Innostars partners are interested in collaborating in areas of: nutrition in cancer patients (breast cancer, colon cancer, lung cancer), nutrition for the elderly and prevention of chronic diseases (dementia, CVD).
Micael Gyorei	Invest in Skåne/Region Skåne	We see a strong move in exploring the interface between food and pharma and especially the area of Medical Nutrition Therapies.
Erwin Heeneman	Achmea	
Agnès Helme-Guizon	Université Grenoble Alpes	As a marketing Profesor and Researcher in Social Marketing, I am interested in Prevention and Promotion of healthy behaviors, particularly through technologies. I conduct qualitative and experimental research to study consumer immersion and experience, engagement on social media, connected devices efficiency related to physical activity, health promotion and well-being.
Jettie Hoonhout	Philips Research	I have a background in behavioral science, nutrition, and human factors/ergonomics. I am interested in healthy nutrition programs and applications for chronic disease, peri-surgery.
Irene Huber	Universität Hohenheim	With my team, I support the strategic development of joint research initiatives and consortia. Reflecting on the strong expertise in food and nutrition sciences at the University of Hohenheim, I represent the interests of scientists from various institutes involved in obesity research, metabolic disorders, malnutrition, functional food and related fields including economic and social perspectives.
Ilario Ingravallo	EIT FOOD - CLC WEST	Understand the cross-KIC frame and support EIT Food partners accordingly.

Workshop Participants

Name	Organisation	Food4Health Interests
Maria Izquierdo-Pulido	University of Barcelona	In our Department we have research groups working on: Innovative ideas for products or services that link food and health; Innovative ideas to influence consumer behaviour in making healthy choices; Use of food in clinically relevant situations.
Peter Jens	Koppert/AND Biopharma	Microbiome management towards obesity reduction. Clean primary food production.
Henning Høgh Jensen	DTU	Our research and innovation activities in relation to food and to health are very closely linked and we see multiple possibilities for combining these topics together with companies and organisations.
Rositsa Jordanova	Academisch Ziekenhuis Groningen	We have several research lines in the Food/Health interface, in areas such as Healthy Aging, Prevention, Patient Nutrition, Medication Stewardship, Mother/Child care, AMR etc.
Anu Kaukovirta-Norja	Valio	Interests: 1.Current change in consumer eating habits towards meat and milk alternatives and its effect on individual and populatio health. 2.Communication of health and environmental aspects of foods/diets to consumers. 3.Millennials and a healthy diet. 4.New products to boost senior health and vitality.
Artem Khlebnikov	Danone Nutricia Research	One Planet . One Health. Consumer/Patient centric multimodal approaches combining nutrition, health care & digital.
Annemarie Koster	Maastricht University	Epidemiologist mainly working on physical activity but with a broad interest in lifestyle behaviour.
Jos Kraal	TU Delft	Design of health interventions on healthy food intake, physical activity promotion and a combination of both.
Mirva Lampinen	VTT	We have done a lot of food and health related projects, especially targeting food, nutrition and consumer behaviour topics.
Maria-Jesús Latasa	UAM-IMDEA Food	UAM-IMDEA Food educates and performs research on functional foods targeting non-communicable chronic diseases such as cancer, obesity or metabolic syndrome to provide personalized nutritional solutions to patients.
Inger Lundqvist	Karolinska Institutet	Karolinska Institutet, being a medical university with research and education in all areas of health and medicine, has expertise and project activities addressing the importance of food for health from molecular to health care science level.
Yvonne McMeel	University of Reading	We can offer expertise in Consumer Behaviour and Food and Nutritional Sciences.

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Name	Organisation	Food4Health Interests
Sjoerd Mentink	Philips Electronics Nederland B.V.	Philips is very interested to explore how people can make the right food choices to live a healthy life, and how dietary and food preparation advice before and after medical interventions can help better health outcomes. Collaboration with a range of players in the value chain is essential to arrive at impactful solutions.
Christophe Moinard	French CLC center	I will represent French partners of French CLC of EIT Health interested in the Cross KIC collaboration.
Manuel Montejo	TECNALIA	I am a senior researcher exploring how technology can improve healthcare. Chief Technology Officer of TECNALIA's Health Division, I hold a PhD in Physics by the Barcelona University and BS in Physics by the Basque Country University. With more than 20 years experience in R&D and technology transfer projects, I search every day for ideas to create disruptive innovations, that's one of the best things about my job.
Bart Motmans	Katholieke Universiteit Leuven	
Peter Muranyi	Fraunhofer IVV	Development of tailored and healthy food. Consumer acceptance/ preferences.
Ismaela Nieuwenhuijs	Erasmus University Medical Centre	At our university hospital we do research on a wide range of food and health related areas. From food interventions in different patient groups, to fundamental research on the relation between food (interventions) and DNA repair, nutritional status, etc.
Elin Org	University of Tartu, Estonia	My research group is focused on human gut microbiome - health interactions and I'm also a co-founder of spin-off company from the University of Tartu, which aims to find solutions to promote human health by changing modern food preparation and consumption habits.
Anne-Maria Pajari	University of Helsinki	My expertise is in nutritional physiology, gut metabolism and cancer biology. My research projects mostly deal with two subjects: 1) berries and their constituents (polyphenols) in cancer prevention and therapy 2) plant-based proteins/plant-based diets in health and disease.
Julia Palma	EIT Health	To know more about the new cross KIC so I can give support to the CLC Spain EIT Health partners.

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Name	Organisation	Food4Health Interests
Aidas Pranculis	OME Health	I represent OME Health- a London based personalised nutrition company. Our primary interest is finding ways to use biological and digital health data to design nutrition focused interventions in order to achieve measurable health outcomes in weight loss, hypertension management and other areas.
Yolanda Sastre	Fundació Clinic per a la Recerca Biomèdica (FCRB)	FCRB manages the research done at IDIBAPS, a translational biomedical research centre whose ultimate mission is improving people's health. It represents over 1,000 research professionals organised into around one hundred research groups focusing on liver and digestive system, neurosciences, nutrition, cardiovascular system, oncology, research in nursing, autoimmune diseases, infectious diseases, endocrinology and diabetes among others.
Piera Sciama	E-Seniors	E-Seniors is a senior association promoting projects on healthy and active ageing and the use of new technologies. As a part of its activities, E-Seniors promotes nutrition and healthy habits through the use of information websites and games.
John Sijben	Nutricia Research	Expertise in medical nutrition, i.e. food for health benefits for clinical populations.
Isabelle Sioen	Universiteit Gent	I am working as project manager to support research groups from Ghent University active in the domain food, feed and health to set-up new collaborative projects, together with external academic, industrial and governmental partners.
Annika Szabo Portela	EIT Health Scandinavia	I represent several partners with an interest in and with project ideas in relation to the Food4Health initiative. I am a Speech Language Pathologist with knowledge and deep interest in the topic of food intake in clinically relevant situations since dysphagia - swallowing difficulties - is the cause of malnutrition, pneumonia, and death in many elderly patients with neurological disorders.
Didier Toubia	Aleph Farms	Aleph Farms intends to develop a healthy cultured meat, potentially tailored to specific clinically relevant populations.
David Tsivion	DouxMatok	DouxMatok developed a proprietary flavor delivery technology that enhances the perception of sweetness, providing sugar-based sweetness that enable food companies to reduce sugar in their products by 30-50%. By reducing the amount of sugars in a product, and replacing it (partially or completely) with dietary fibers, DouxMatok has the potential to significantly improve the health of millions of people across the EU.

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Name	Organisation	Food4Health Interests
Itziar Tueros	Azti	Personalised nutrition, food solutions for special populations, cancer, elderlies, childhood obesity. Omic tools, erythrocyte membrane lipidomics, metagenomics.
Roel Van der Heijden	University and Medical Center Groningen / School of Public Health	We focus on data-driven prevention and how geographic and demographic data mapping combined with data-science approaches create and connect health- and dietary patterns. Our Atlas can generate data-insights that support policy and business strategies that aim for more healthy years. We have connected open source data with unique population cohort and micro-data (consumer/patient) and are looking for partners that want to validate business or policy strategies.
John Van Gemert	PlantLab	PlantLab is a producer of fresh vegetables in local vertical farms. This gives the potential to offer year-round fresh vegetables with a constant high nutrient value.
Tom Willems	Puratos	I'm part of the health & well-being team at Puratos HQ.
Agata Wiśniewska	Medical University of Lodz	Medical University of Lodz is a partner in a nutrition related project in EIT Health project. MUL wants to extend collaboration within existing network.

Workshop Organisers/Speakers

Gona Aziz	EIT Health Belgium - Netherlands
Kerstin Burseg	EIT Food CLC Central GmbH
Hayley Every	EIT Health Belgium - Netherlands
Bart Haex	EIT Health Belgium - Netherlands
Menno Kok	EIT Health Belgium - Netherlands
Yu-Mi Lee	EIT Food
Sari Makkonen	EIT Health Belgium - Netherlands
Lorena Savani	EIT Food
Nicolas van de Kerkhof	EIT Health Belgium - Netherlands
Akvile Zalatoryte	EIT Health Belgium - Netherlands

Keynote Speakers

Shawna Butler	Radboud UMC
Pauline Jansen	Erasmus University

EIT Health

EIT Health is a network of best-in-class innovators backed by the EU. By collaborating across borders, we deliver solutions to enable European citizens to live longer, healthier lives. We connect the right people and the right topics across European borders, so that innovation can happen at the intersection of research, education and business – everything we do aims to improve the health of European citizens.

Across Europe today, the steady growth of our ageing population and rising burden of chronic diseases with associated multi-morbidity and unsustainable costs are causing us to ask bigger, deeper, more challenging questions. For example; how can we do things differently? How can the latest innovations in digital technology meet unmet clinical and economic needs? How can we focus investment on preventive healthcare solutions, supporting European citizens to become more self-sufficient?

EIT Health addresses the questions head on by bringing together healthcare professionals, entrepreneurs, and citizens, offering them new opportunities and resources. We leverage the expertise of more than 140 leading healthcare organisations from pharma, medtech, payers, diagnostics and consumer products as well as some of the world's leading academic and research organisations, healthcare providers and public administrations to put ideas into action and commercialise patient-focussed solutions.

www.eithealth.eu

EIT Food

The vision of EIT Food is to put Europe at the centre of a global transformation in how food is innovated, produced and valued by society. EIT Food will foster a sense of 'collective stewardship' in which industry, government, science and education commit to support individuals in their right to enjoy a sustainable, safe and healthy diet.

With consumers at its core, the mission of EIT Food is to empower a trusted multi-stakeholder community that includes market-leading and start-up businesses, technology innovators, best-in-class research institutions and educators, and advanced farmers and consumers. Together, they will catalyse the transformation of the food system and effectively meet the global food sector demands of present and future generations. By following an integrated seed-to-fork approach, systematically leveraging the opportunities of digital technologies and engaging consumers in the process of change, EIT Food will improve nutrition and make the food system resource-efficient, secure, transparent and trustful. EIT Food will boost skills and entrepreneurial spirit in the sector, unlock the potential of small and medium sized enterprises, accelerate innovation, create jobs, benefit business impact and increase global competitiveness. Key drivers for change will be five co-location centres (CLC) in European countries, as well as a vital collaboration with and leverage of other innovation activities and programmes on European and regional level.

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