

FoodSmartphone *vacancies*

Smartphone analyzers for on-site testing of food quality and safety



Doing your PhD within FoodSmartphone ?!



FoodSmart
phone.eu

Background

A paradigm shift in food quality and safety testing is required in order to free resources for an intensified combat against fraud in the food chain. As an enabling technology solution to the problem, FoodSmartphone proposes the development of smartphone-based (bio)analytical sensing and diagnostic tools, for simplified on-site pre-screening of quality and safety parameters and wireless data transfer to servers of relevant stakeholders. The consortium has been built upon highly complementary disciplines: (bio)analytical chemists, biologists, physicists, micro/nano-engineers, mathematicians, organic- and food chemists will work together on the joint supra-disciplinary goal. FoodSmartphone offers the ESRs (early-stage researchers) an extensive programme of both mandatory and optional network-wide training events and intersectoral secondments. The scientific training in novel smartphone-based sensing technologies plus the complementary skills training provided, will have a major impact on future EU monitoring practices and, moreover, pave the road for Citizen Science.

Facts & figures

Grant Agreement : 720325 – FoodSmartphone - H2020-MSCA-ITN
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Duration : 48 months
Volume : 2.8 M€
Coordinator : Prof. Dr. Michel Nielen
RIKILT Wageningen University & Research
Participants : Universities, research centres, industry and SMEs



Consortium

Institution's Name	Organisation short name	Country
STICHTING DIENST LANDBOUWKUNDIG ONDERZOEK RIKILT Wageningen University & Research	RIKILT	NL
THE QUEEN'S UNIVERSITY OF BELFAST	QUB	UK
VYSOKA SKOLA CHEMICKO-TECHNOLOGICKA V PRAZE (VSCHT),	VSCHT	CZ
AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	CSIC	ES
LINKOPINGS UNIVERSITET	LIU	SE
AQUAMARIJN MICRO FILTRATION BV	AQUAMARIJN	NL
CSEM CENTRE SUISSE D'ELECTRONIQUE ET DE MICROTECHNIQUE SA - RECHERCHE ET DEVELOPPEMENT	CSEM	CH

Partner organisation's Name	Organisation short name	Country
BARILLA G. E R FRATELLI SPA	BARILLA	IT
ZEULAB S.L.	ZEU	ES

11 vacancies for PhD student projects

Vacancy topic	PhD	Country
Affordable FoodSmartphone assays for allergens	ESR1	NL
Confirmatory analysis by mass spectrometry	ESR2	NL
Plasmonic FoodSmartphone assays for marine toxins	ESR3	UK
Plasmonic FoodSmartphone assays for food spoilage	ESR4	UK
Image data analysis on FoodSmartphones	ESR5	UK
Enzymatic FoodSmartphone assays for AChE inhibitors	ESR6	CZ
Multiplex binding array designs for FoodSmartphones	ESR7	SP
Electrode arrays for FoodSmartphones	ESR8	SP
Plasmonic imaging FoodSmartphones	ESR9	SE
Nano-sample preparation for FoodSmartphones	ESR10	NL
FoodSmartphone assays for aflatoxins	ESR11	CH

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