INDIVUAL PROJECTS

Sub-project 7: ***Role of non-coding sRNAs in the transmission of L. monocytogenes between environments***
Host organisation: University of Southern Denmark (SDU)

Sub-project 8: ***Investigation of interconnections between AgrA and σB regulons***
Host organisations: University of Burgundy (UB) and National University of Ireland, Galway (NUIG)

Sub-project 9: ***Transcription regulatory network construction***
Host organisation: National Institute for Agricultural Research (INRA), unit MaIAGE

Sub-project 10: ***Develoment of bioinformatic tools for the analysis of MACE data***
Host organisation: GenXPro (GXP)

Sub-project 11: ***Development of innovative tools for rapid phenotypic characterisation of intraspecific diversity***

Host organisation: BioFilm Control (BFC) and GenXPro (GXP)

Contact

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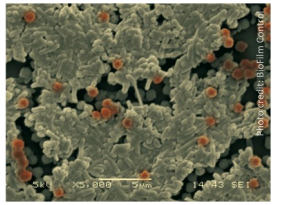
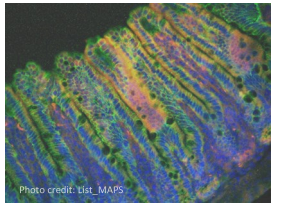
Consortium:

LIST MAPS

Training and research in *Listeria monocytogenes* adaptation through proteomic and transcriptome deep sequencing analysis





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Collaborative project

Public-private partnership

Research

Training

Listeria monocytogenes

Marie-Skłodowska Curie actions

PRESENTATION

List_MAPS is a **European network** dedicated to the **training of innovative young researchers** in the field of Microbiology and Systems Biology. Coordinated by the University of Burgundy in France, the project associates nine full partners and two associated partners. Eleven Early-Stage-Researchers are recruited to **develop scientific expertise** through an innovative training programme.

List_MAPS focuses on ***Listeria monocytogenes,*** an ubiquitous pathogen that is in the EU one of the leading cause of mortality and food recalls due to foodborne pathogens, costing the EU millions of euro per annum in medical care and associated costs in the food sector.

The overall objective of List_MAPS is to **tackle food safety** through the combination of high throughput Deep sequencing of transcripts, Proteomics, Bioinformatics, Mathematics and Microbiology to decipher the **transcriptional regulatory circuitry** that drives **adaptation and virulence of *L. monocytogenes*** from farm to fork.

The strong co-operation between academia and industry and the actions carried out in List_MAPS give the opportunity to **secure a world-class training for creative, entrepreneurial and innovative researchers**.

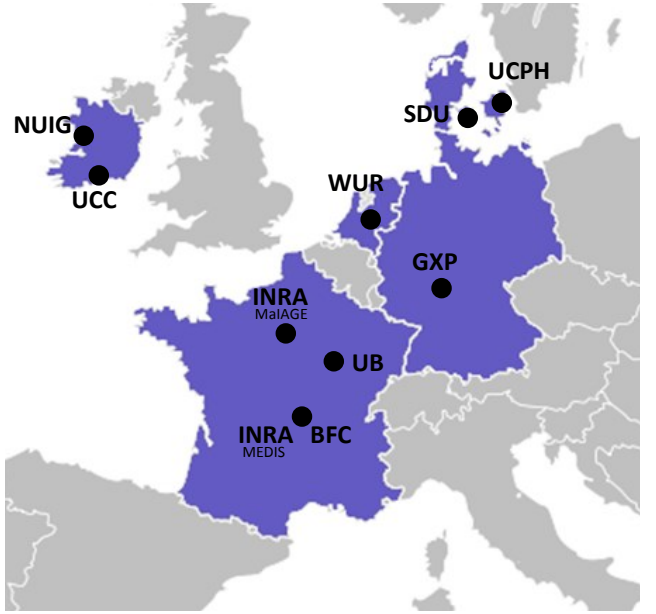
KEY NUMBERS

5 countries

4 years

9 partners

11 Early-Stage-Researchers



INDIVUAL PROJECTS

Sub-project 1: ***Investigation of the adaptive strategies of L. monocytogenes in soil/plants mesocosms***
Host organisation: University of Burgundy (UB)

Sub-project 2: ***Stress pre-adaptation and virulence potential of L. monocytogenes in the food matrix***
Host organisation: University of College Cork (UCC)

Sub-project 3: ***Regulation of the virulon of L. monocytogenes by carbohydrates***
Host organisation: University of Copenhagen (UCPH)

Sub-project 4: ***Role of σB regulon of L. monocytogenes in environmental stress resistance***
Host organisation: National University of Ireland, Galway (NUIG)

Sub-project 5: ***Role of protein secretion in adaptation of L. monocytogenes***
Host organisation: National Institute for Agricultural Research (INRA), unit MEDIS

Sub-project 6: ***Biodiversity and transmission of L. monocytogenes in the food chain***
Host organisation: Wageningen University (WUR)