



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

EARLY-STAGE RESEARCHER POSITION WITHIN THE H2020 EUROPEAN Training Network List_MAPS

Closing date for application: 31st July 2017

Localisation: UMR Agroecology, INRA/UB, Dijon, France

Contract Type: Fixed Term Whole-Time

Duration: 15 months

Start date: 1st of September

Job Type: Research

Number of position: 1

Salary: Gross salary of 2425€ /month + Net mobility allowance of 600€ / month

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Position summary.

One Early Stage Researcher position within a Horizon 2020 EU-funded Marie Skłodowska Curie European Training Network is available. It will be located at the research unit UMR Agroecology, INRA/Université de Bourgogne, Dijon, France. The project involves multiple international academic and private participants, and seeks to develop a better understanding of the ecology of *Listeria monocytogenes* through a systems biology approach. In accordance with the rules of this programme, candidates must not have worked or studied more than 12 months in France within the last 3 years. Interested candidates must be in the first 4 years of their researcher career with significant experience in microbiology, microbial ecology and/or transcriptomics.

Early Stage Researcher

This is an early stage researcher training role where you will conduct a specified programme of research and research training under the guidance of a Principal Investigator. The primary purpose of the role is to deliver research results and objectives, develop new or advanced research skills and competences, and develop complementary skills and competences through network-wide and specific training events (secondments, workshops, meetings) in this collaborative network with 9 other ESRs. The programme has an expected duration of 15 months on a full-time basis. Applicants must be in the first 4 years (full-time equivalent) of their research activity, including their research training. Applicants should hold a good honours

undergraduate or Masters degree in the field of Microbiology, Microbial ecology or other appropriate disciplines.

Key duties and responsibilities

- To run experiments in a specified programme of research under the supervision and direction of a Principal Investigator/Project Leader.
- To engage in appropriate and professional development opportunities as organised in the ETN training program
- To follow secondments in participants labs to perform specific experiments
- To support the Principal Investigator and research group in the design and development of a research programme.
- To engage in the dissemination of the results of the research, as directed by and with the support of and under the supervision of the Principal Investigator.
- To carry out any additional duties as may reasonably be required within the general scope and level of the post

Research project : Investigation of the adaptive strategies of *L. monocytogenes* in soil/plants mesocosms

Objectives: the project will focus on the response of *L. monocytogenes* to the complex microbial communities during survival in soil and plant rhizosphere. This will include RNA-Seq and mutagenesis approaches in order to explore the mechanisms triggered by the edaphic conditions and to characterise phenotypes under these environmental conditions.

Expected Results: Global transcriptomic response during adaptation to soil and plant rhizosphere. Characterisation of the response to soil microbiote. Evaluation of the role of the biotic environment on the fate of *L. monocytogenes* in soil.

Eligible criteria of Marie Skłodowska Curie actions:

- Candidate may be of **any nationality**
- Candidate shall at the time of recruitment **be in the first four years of his/her research career**
- **Candidate must not have a doctoral degree**
- **Mobility rules:** candidate shall **not have resided or carried out his/her main activity (work, studies) in France for more than 12 months in the 3 years immediately prior the recruitment.**

Requirements:

- Academic ability
- Scientific skills and competences
- Labwork experience
- Proficiency in foreign languages



- Level of independence
- Other experiences

Application procedure:

Application deadline: 31 July 2017.

Application should be sent by email to the supervisor Dr Pascal Piveteau: piveteau@u-bourgogne.fr

Include “List_MAPS ESR application” in the subject line.

Attachments in PDF must include:

- Cover letter
- Curriculum vitae
- Two reference letters
- Transcript of results of the last 3 years of University studies (including modules and courses)

