



Early Stage Researcher (ESRs) Posts MARIE SKŁODOWSKA-CURIE ACTIONS Innovative Training Networks (ITN)



TRAINING in EXTRACELLULAR VESICLES: for benefit in Health and Disease “TRAIN-EV”

Project Title	Host Institution	Lead	Contact Details
Development of bioinformatics tools to explore and compare cellular and EV-contents	Bioinf2Bio, Portugal [& University of Porto, Portugal]	Prof. Carla Oliveira	carlaol@ipatimup.pt

Application Details

General requirements:

- You hold a Master degree (with Distinction) or 4-Year First Class or High II (1) Honours Bachelor's Degree or equivalent in bioinformatics.
- You pass the eligibility criteria for ESRs (*see below*)
- You have good oral and written communication skills in English
- You have good organisational and planning skills
- You are stimulated by challenging scientific and technical problems and have a highly motivated, persistent and result-driven attitude
- You can work well both independently and in a team environment, with a sense of responsibility.

Technical skills required:

- The ideal candidate should have proficiency on the following points: Linux/Unix environment, command line tools and in the programming languages Python and/or R.
- Additionally, the candidate should have knowledge and experience with tools and pipelines for next-generation sequencing analysis, including short-read mapping, expression quantification, genome and transcriptome assembly and differential expression analysis (e.g. tophat, BWA, cufflinks, RSEM, samtools, DESeq, IGV, etc).
- Knowledge of machine learning methodologies (both supervised and unsupervised methods) in R or Python is a plus.

We offer:

- A full-time position as an ESR/PhD researcher for 2 years, during which it is intended that a PhD project is started, provided positive evaluation
- A position in a Start-up Company that works inside a Research Institute
- A dynamic and stimulating environment merging Research and Industry
- Collaboration with-and secondments to-research groups both nationally and internationally, e.g. for transfer of knowledge and technical skills
- Support in the development of transferable skills
- Salary is fixed based on EU provisions within the ITN TRAIN-EV.

Application Information

Candidates should submit as a single .pdf document to H2020TRAIN-EV@tcd.ie and lsousa@ipatimup.pt

- Cover Letter (1x A4 page) including a statement of reason and motivation for pursuing an Early Stage Research position with TRAIN-EV
- Curriculum Vitae, including letters of reference from at least two referees who have been substantially involved in your previous education or employment
- Documentary evidence of current academic qualifications

Additional information	
Planned starting date:	May 2019
Length of contract:	2 years

Deadline for application:	20 th April 2019
Contact person:	Lorraine O'Driscoll at H2020TRAIN-EV@tcd.ie
Informal contact on project-specific queries:	Liliana Sousa lsousa@ipatimup.pt

Note: to ensure as timely a response as possible, include "TRAIN-EV" in the subject heading of all emails

Eligibility criteria for ESRs:

a.) Early-Stage Researchers (ESRs): shall, at the time of recruitment by the host organisation, be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree.

b.) Mobility Rule: at the time of recruitment by the host organisation, researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately before the 1st May 2019

