



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”

Application Details

Requirements: -

- You hold a Master degree (with Distinction) or 4-Year First Class or High II (1) Honours Bachelor's Degree or equivalent in a bio-related subject, including biology, biochemistry, immunology, molecular biology, bio-engineering sciences, biotechnology, pharmacy, medicine [or chemistry, nanoengineering, or chemical engineering if particularly interested in applying to GVS SPA's Project 3 or bioinformatics if applying to Bioinf2Bio Project 11].
- 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.

We offer:

- A full-time position as a ESR/PhD researcher for 3 years, during which it is intended that a PhD dissertation is prepared, provided positive evaluation
 - A dynamic and stimulating research environment
 - Collaboration with -and secondments to- other 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

- 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
- Completed Project Choice Form (see below) indicating your top 4 project choices

Additional information	
Planned starting date:	March 2018
Length of contract:	3 years
Deadline for application:	Dec. 18 th 2017 - applications will be screened continuously until the positions are filled
Contact person:	Lorraine O'Driscoll at H2020TRAIN-EV@tcd.ie
Informal contact on project-specific queries:	Project Lead Supervisor on attached Table

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 March 2018.



Early Stage Researcher (ESRs) Projects Choice Form

Project No.	Project Title	Host Institution	Lead	Contact Details	Indicate project choices: in order 1-15***
1	Cross-platform comparison for plasma/serum/urine extracellular vesicles (EV) EV immune-isolation & characterisation	HansaBioMed Life Sciences OU [& Tallinn University, Estonia]	Dr. Natasa Zarovni	nzarovni@exosomics.eu	
2	Separation of EV sub-populations from blood plasma	AJ Innuscreen GmbH, Germany [& Universitaetsklinikum Freiburg, Germany]	Dr. Timo Hillebrand	timo.hillebrand@aj-innuscreen.de	
3	Affinity Filters capable to specifically capture EVs	GVS S.P.A., Italy [& Simmelweis University, Hungary]	Dr. Soccorso Gaeta	nino.gaeta@gvs.it	
4	Standardized analysis of EV in liquid biopsies: development of reference materials	Ghent University, Belgium	Dr. An Hendrix	an.hendrix@ugent.be	
5	Advance from the current “gold-standard” methods for EV isolation, further develop methods for characterising EVs and investigate means to exploit EVs for clinical application	Simmelweis University, Hungary	Prof. Edit I Buzás	buzas.edit@med.simmelweis-univ.hu	
6	Further develop methods for characterising EVs utilising advanced technologies and assess patho-/physiological relevance of EVs and their potential to be exploited as biomarkers.	Simmelweis University, Hungary	Prof. Edit I Buzás	buzas.edit@med.simmelweis-univ.hu	
7	EV-based biomarkers: Towards defined EV-subset analysis in blood by flow cytometry	Utrecht University, The Netherlands	Prof. Marca Wauben	M.H.M.Wauben@uu.nl	
8	Tetraspanins role in regulation of EV composition by tumour cells & metastases	Universitaetsklinikum Freiburg, Germany	Dr. Irina Nazarenko	irina.nazarenko@uniklinik-freiburg.de	
9	Exosomal/EV-recruited splice variants & mutated oncogenes contributing to cancer progression	Universitaetsklinikum Freiburg, Germany	Dr. Irina Nazarenko	irina.nazarenko@uniklinik-freiburg.de	
10	Deciphering the immune modulatory capacity of circulating EV-subsets in healthy and diseased subjects	Utrecht University, The Netherlands	Prof. Marca Wauben	M.H.M.Wauben@uu.nl	
11	Development of bioinformatics tools to explore and compare cellular and EV-contents	Bioinf2Bio, Portugal [& University of Porto, Portugal]	Prof. Carla Oliveira	carlaol@ipatimup.pt	
12	Tumour stroma EV to monitor and treat cancer: development of EV biomimetic drug delivery platforms	Ghent University, Belgium	Dr. An Hendrix	an.hendrix@ugent.be	
13	Investigating the relevance of EVs in breast cancer	Trinity College Dublin, Ireland	Prof. Lorraine O’Driscoll	lodrisc@tcd.ie	
14	Investigating the relevance of EVs in prostate cancer	Trinity College Dublin, Ireland	Prof. Lorraine O’Driscoll	lodrisc@tcd.ie	
15	Immune functions of EV types secreted by tumour and immune cells.	Institut Curie, Paris, France	Dr. Clotilde Théry	Clotilde.Thery@curie.fr	

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*****Rank your project choice in order of preference as 1-15 (or as many as you would like to be considered for)**