



Call for Expression of Interest Marie Skłodowska-Curie Individual Fellowships (H2020-MSCA-IF-2018)

Vilnius University (VU) is looking for experienced researchers to host under Marie Skłodowska-Curie Individual Fellowships (MSCA-IF) scheme. Interested applicants are encouraged to contact possible supervisors and further discuss the possibility of placement under this funding scheme.

Selected candidates will receive support from experienced VU supervisors and Research Projects Office in the process of application preparation and further during the MSCA-IF fellowship.

MSCA-IF Funding Scheme

MSCA-IF scheme enables researchers (having more than 4 years of experience) to gain additional scientific experience working alongside experienced supervisors at Vilnius University. The grant scheme covers living, travel and family costs as well as research-related and other indirect costs for the institutions (based on the MSCA fixed rates). In general, MSCA-IF scheme aims to encourage researchers' mobility in Europe and beyond, including opportunities for non-European researchers to work in the European Union. Project applications submitted by the interested researchers themselves and hosting institutions including research supervisors.

MSCA-IF fellows should meet the following mobility rule: should not have been living or working (including studies and job experience) more than 12 months in the last 3 years in the country of hosting institution.

Project duration: 12-24 months for European fellowships scheme and 24-36 months for Global fellowships

Deadline: 12th September 2018

More information: https://ec.europa.eu/research/mariecurieactions/actions/individual-fellowships_en

Hosting institution - Vilnius University

Vilnius University, one of the oldest and most prominent higher schools in the Central and East Europe, was established in 1579. There are about 20 000 students studying at the University. There are 4 371 employees working at the University, of which 1 834 represent the teaching staff and 510 research workers. Vilnius University is distinguished for its outstanding achievements in science and carries out fundamental and applied research in all areas of science. Vilnius University maintains close cooperation relations with other Lithuanian universities and also with universities, institutes, research centres, museums, public and business entities from Europe, Asia, America and other continents. The cooperation with business partners is pursued in various forms, such as the implementation

of joint projects, contracted research works, provision of research services. During the last 5 years Vilnius University implemented more than 100 projects in cooperation with its business partners embracing programmes as High technologies and Industrial biotechnologies, Eureka, FP 6, FP 7, H2020 and other programmes the purpose of which is to promote applied research at universities to assisting business entities in addressing different problems that they encounter. Researchers of Vilnius University extensively cooperate with Lithuanian business companies according to the Innovation voucher programme under which companies could contract researchers for performing small-scale research assignment.

More information: <https://www.vu.lt/en>

Possible MSCA-IF Supervisors

1. Linas Mažutis, PhD, Prof. (Single-cell biology)

Our group has long history of experience at developing novel microfluidic tools for precise manipulation and analysis of biological reactions at pico and nanoliter range volumes. We have designed and fabricated microfluidic systems and devices for single-cell biological and biomedical applications. Using droplet microfluidic devices, we provide significantly reduced assay volumes for virtually any biological assay and as a result big cost savings for biochemical reagents and compounds. We are developing microfluidic devices and chips for digital DNA/RNA analysis, single-cell and genomic applications. There is no doubt that single-cell technologies will have a major impact in life sciences. Over the last few years, microfluidics has been established as an enabling technology in single-cell studies. Unlike the conventional microliter plates or valve-based microfluidics, droplets are intrinsically scalable: the number of reactions is not limited by the physical dimensions of the chip but scales linearly with the emulsion volume. Having world-recognized expertise our group will continue developing high-throughput microfluidics single-cell platforms for -omics studies and will apply it on tumours to better understand the gene expression programs that govern malignancy and anti-cancer response.

Interested applicants should contact the supervisor: linas.mazutis@bti.vu.lt and inform VU Research Projects Office: zemartas.budrys@cr.vu.lt

2. Arūnas Ramanavičius, PhD, Prof, Habil. (Physical / biophysical / analytical / bio-analytical chemistry)

Selected MSCA-IF fellows will have an opportunity to work alongside experienced researchers in conducting polymers in biosensor design, bio-electronic devices based on organic semiconductors, development of biofuel cells and molecularly imprinted polymers for sensor design. According to experience of applicant it can be selected any free research direction related to physical, biophysical, analytical or bio-analytical chemistry.

Interested applicants should contact the supervisor: arunas.ramanavicius@chf.vu.lt and inform VU Research Projects Office: zemartas.budrys@cr.vu.lt

Interested applicants are encouraged to contact supervisors of their thematic field by submitting CV and brief description of project idea until **20.07.2018**. For those who did not find suitable supervisor should send their CV to VU Research Projects Office: zemartas.budrys@cr.vu.lt

IMPORTANT: Eligible MSCA Individual Fellowship applications, which will not receive funding under this scheme but will score above the threshold, will be automatically submitted under the Widening Fellowship Call ([WF-02-2019](#)).