



EVROPSKÁ UNIE  
Evropské strukturální a investiční fondy  
Operační program Výzkum, vývoj a vzdělávání



## **Announcement of the Call for Applications under the Program:**

**Call No.** 02\_16\_027 for International Mobility of Researchers in Priority Axis 2 of the OP

**Project Name:** Mobility Support at UP

**Supported Activity No. 1:** Pracovní pobyty post-doků ze zahraničí v ČR - LF

**Mobility No. 1**

**Hosting Institution/Faculty/Department:** Palacký University, Faculty of Medicine and Dentistry, Institute of Molecular and Translational Medicine

**Mobility Location:** Palacký University Olomouc, Czech Republic

**Duration:** 18 months

**Term:** 10/2018 – 03/2020

### **Mobility description:**

We have recently discovered several new molecules that display senotoxic or senolytic activity, do not have a known target molecule and are readily available for target structure identification. The post-doc will participate in the identification and validation of target structures for these new bioactive molecules with the aid of models of senescence induced by chemical means or radiation. Several approaches will be utilized during the research. First, we will use “click chemistry” to generate conjugated bioactive molecules that will be used for affinity purification of interacting structures from cell lysates and other expression systems. Second, we will use proteomic profiling to acquire necessary information on signalling pathways activation in response to treatment with the new bioactive molecules. These will be tested using cell models of senescence, including models of age-dependent disorders, e.g. proteinopathies. Cell models will undergo complex proteomic profiling with the aim of identification of main differences between aging and age-related disorders, therefore target molecules and their signalling pathways will be described.



The researcher is obliged to actively participate in a conference / seminar / workshop, etc. organized by the hosting institution at least once in every six months of the mobility.

**Support for the Researcher's Family: NO**

**Salary Offered:** net salary of 48 000,- CZK per month

For comparison, housing + utilities are 12 000,- to 16 000,- per month.

### **Requirements for candidates:**

#### **Phase I**

- The candidate is a post-doc in accordance with the definition; that is, a researcher up to 7 years after being granted the Ph.D. degree or its foreign equivalent<sup>1</sup> (equivalent to level 8 of ISCED) since the date of submitting the project application, and
- Has been active outside the Czech Republic in the field of science and research with the working time of at least 0.5 for at least 2 years (as of the date of submitting the project application) within the last 3 years, or was a Ph.D. student abroad, and
- Proves his/her publication activity (professional publications registered in the databases Web of Science, Scopus or ERIH PLUS, and at the same time publications in the form of "an article", "book chapters", "a letter" and "a review") – at least 2 publication outputs in the last 3 years (as of the date of submitting the project application).

The candidates who fail to fulfil the criteria of Phase I set above will be excluded from the selection procedure. The candidates who fulfil the qualification criteria of Phase I proceed to the assessment within Phase II.

### **Assessment method:**

#### **Phase II**

The fulfilment / non-fulfilment of exclusion criteria within Phase I, as well as the required expertise and requested documentation will be assessed by a committee consisting of at least three members.

The individual candidates will be assessed by the committee at a common meeting according to the following criteria:

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<sup>1</sup> The given period may be extended for the period of maternal and parental leave, long-term illness (for more than 90 days), nursing a family member (for more than 90 days), preparation for an attestation, and military service.



**Criterion 1:**

The number and quality of articles in impact factor journals and other publications

Possible rating: min. 0, max. 40 points

**Criterion 2:**

Participation in scientific-research projects (international, national)

Possible rating: min. 0, max. 20 points

**Criterion 3:**

Benefits for the hosting institution within the respective field of study (scientific field) the candidate is applying for

Possible rating: min. 0, max. 20 points

**Criterion 4:**

The need for research in the particular field of study (scientific field)

Possible rating: min. 0, max. 10 points

**Criterion 5:**

Recommendation by the previous supervisor or the Head of the workplace/scientific-research team where the candidate operates

Possible rating: min. 0, max. 10 points

The maximum rating achievable is 100 points. When assessing the candidates with regard to criteria 1 and 2, the particular candidate achieves the number of points for fulfilling the particular criterion in accordance with the objectively identifiable value set above. When assessing the candidates with regard to criteria 3, 4 and 5, each member of the selection committee awards the points to the particular candidate individually at his/her discretion. The final number of points for the particular candidate is the arithmetic mean of the rating awarded by the individual committee members. The winner of the selection procedure is the candidate having achieved the most points in the assessment of the individual criteria.

A written record of the assessment procedure will be made, including the information about the composition of the assessment committee, the criteria of candidate assessment, the reasoning of ratings, and the name of the winner.

The results of the assessment procedure will be published on the UP website.

**Documents requested:**

Professional CV

Diploma or nostrification

Document(s) proving research activity outside the Czech Republic

A list of publication outputs in the last 3 years



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A list and a brief description of scientific-research projects (national and international) where the candidate collaborated on in the last 3 years

Cover letter including specification of the benefits for the hosting institution

Brief description of the research the researcher intends to work on; justification of its need in relation to the research field

Recommendation by the previous supervisor or the Head of the workplace/scientific-research team where the candidate operates

Mobility schedule approved by the hosting institution

All documents listed above must be submitted in either Czech or English.

Successful candidates shall not be working at any other university or institution at the time of the expected beginning of their mobility. Any exception has to be requested within the admission procedure.

**The applications may be submitted in the electronic form to the address [zuzana.prichystalova@upol.cz](mailto:zuzana.prichystalova@upol.cz) or [jiri.zakopal@upol.cz](mailto:jiri.zakopal@upol.cz) until May 4<sup>th</sup>, 2018.**