



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 VVV

**Project Name:** Mobility Support at UP

**Supported Activity No. . 1 - Working stays of post-docs from abroad in the Czech Republic – Faculty of Science**

**Mobility No.** 8

**Hosting Institution/Faculty/Department:** Regional Centre of Advanced Technologies and Materials

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

**Duration:** 24

**Term:** 07/2018 - 06/2020

### **Mobility description:**

The important goal of the development of new medical diagnostic procedures is the development of tools for analysis of important biomarkers that will be accessible to the broad spectrum of users. The utilization of nanomaterials in this area is advantageous mainly from the point of view of miniaturization and simplification of developed sensors, ensuring better selectivity of resulting methods, decrease of economic demands on the implementation of methodology in practice and thus broadening of accessibility of these methodologies to regions with a less developed economy. Currently, the materials based on carbon quantum dots (CDots) or graphene and its derivatives (especially carboxo-, halogen-, or hydroxo-derivatives) appear to be interesting, in particular, due to their interesting optoelectronic properties. Functionalization of described nanomaterials with magnetic nanoparticles or with nanoparticles of noble metals enhances their application potential even further. The mobility is planned in accordance with the topics described above.

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: YES**

To make it possible for a researcher to stay in close contact with his or her family members the researcher can receive financial support amounting to 13 197 CZK per each month of mobility. A family member is considered to be a spouse or a person with an equivalent relationship legally defined in the country where it was formalized; his or her dependent child or a dependent child placed into his or her foster care.



**Salary Offered:** from 62 953 CZK

## **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:

#### **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

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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.



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

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



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MINISTERSTVO ŠKOLSTVÍ,  
MLÁDEŽE A TĚLOVÝCHOVY

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 [ivana.saitzova@upol.cz](mailto:ivana.saitzova@upol.cz) until 30. 3. 2018.**