



Institute of Optical Materials and Technology (IOMT, www.iomt.bas.bg) is searching for experienced researchers interested in submitting a joint application for the Marie Skłodowska-Curie Individual Fellowships (CallH2020-MSCA-IF-2017)

Description

The Fellowship may last 12-24 months involving an individual research project. The MSCA IF offers a highly competitive salary (more than 4500 euro), mobility (600 euro) and family allowances (500 euro).

RESEARCHER PROFILE

Candidates are expected to have an excellent CV relative to their career stage, a strong publications record and a good range of experience (teaching, industry/non-academic, PhD supervision).

ELIGIBILITY CRITERIA

- 1) You must not have spent more than 12 months in Bulgaria in the last 36 months prior to the EC call deadline (September 14th 2017).
- 2) You must have a PhD (or equivalent), or four years full time research experience.
- 3) Your research project can be based in any discipline matching IOMT expertise
- 4) You can be of any nationality.

DEADLINE

Your application has to be submitted to one of the supervisors in your thematic field (see the contact details below) by 20 July 2017. The application should include:

- 1) CV (maximum 2 pages plus full list of publications)
- 2) One page outline of your research proposal
- 3) Contact details

Selected candidates will be announced until 30 July 2017. They will be invited to prepare their full proposal with their supervisor.

TOPICS AND SUPERVISORS

Smart photonic structures, mesoporous materials, materials for chemo-optical sensing,
Prof. Dr. Tsvetanka Babeva, babeva@iomt.bas.bg,

Nanomaterials for multi-functional optoelectronics and photonics devices, organic-inorganic hybrid structures, flexible LC displays

Assoc. Prof. Dr.Sc., Vera Marinova, vmarinova@iomt.bas.bg

More info on Marie Curie actions:

http://ec.europa.eu/research/mariecurieactions/about-mca/actions/ief/index_en.htm

IOMT portfolio

Institute of Optical Materials and Technologies at the Bulgarian Academy of Sciences (IOMT-BAS) has been established in 2010 by merging two independent research units – the Central Laboratory of Photoprocesses and the Central Laboratory of Optical Storage and Processing of Information.



Both units have more than 40-years long history within the BAS and have gained rich and internationally recognized experience not only in basic research but in provision of services and products with industrial application. Research activities of IOMT-BAS are focused on:

- study of photoinduced processes in micro- and nanosized layers and structures;
- development of advanced materials, methods and technologies for optical applications;
- development of novel materials and sensor systems.



The obtained results have found applications in photonics, sensing, energy efficient technologies, biomedical research, ecology, non-destructive testing and cultural heritage preservation.

In 2013 IOMT-BAS was successful in a big infrastructure project that allows full modernization of the scientific equipment and construction of 8 new laboratories.

IOMT already has unique equipment which allows development of innovative products and services in the following priority areas:

- Next generation media for optical recording and information technologies;
- Photo-voltaic cells and organic light-emitting diodes (OLED) for eco- and energy efficient technologies;

- Highly sensitive sensors for healthcare technologies;
- Systems for optical metrology, holographic imaging and cultural heritage protection;
- Optically controllable hybrid structure;
- Computer generation of holograms of micro-objects for optical diffraction tomography.

