

APPLY FOR A MARIE SKŁODOWSKA-CURIE FELLOWSHIP AT UNIVERSITY OF SILESIA IN KATOWICE, POLAND!

The University of Silesia in Katowice, Poland The Faculty of Mathematics, Physics and Chemistry Institute of Physics

is seeking to develop collaborative funding proposals with *experienced researchers*
for submission under the Horizon 2020
Marie Skłodowska-Curie *Individual Fellowship (IF)* programme

in the field of particle physics

The University of Silesia in Katowice is a public institution established in 1968. Now, with 12 faculties and several interdisciplinary schools and centers, over 30000 students and over 2000 academic staff the University is one of the largest in Poland. Students are educated at three educational levels: Bachelor, Master and Doctoral. Internationalization of research and education is one of the priority directions of development of the University of Silesia: the University of Silesia collaborates with over 300 higher education institutions from all over the world through student and academic staff exchanges and joint educational and research projects. Studies conducted by researchers from the University of Silesia are extremely versatile and the findings are applicable in many disciplines. They predominantly concern such disciplines as: health and medicine, food and agriculture, environment and climate change, biotechnology, information technologies, nanotechnologies, materials and new technologies, energy, as well as various law, culture and education-related issues. Research priorities of particular faculties within the University of Silesia also depend on the specificity of these faculties.

The Faculty of Mathematics, Physics and Chemistry, one of the largest university units, incorporates, as its name indicates, three separate institutes: mathematics, physics and chemistry, each with several divisions and subdivisions carrying out the research and educational activities. The Faculty is entitled to grant doctoral degrees in the field of natural sciences.

The **August Chełkowski Institute of Physics** is divided into seven experimental and four theoretical research groups. Most of the experimental activities are concentrated on the condensed matter physics. WWW web page: <http://www.if.us.edu.pl/index.php/en/>

The Elementary Particle Physics group members are experts in the calculation of electroweak corrections in the SM and beyond, low energy hadronic physics, methods of loop calculations, development of dedicated Monte Carlo event generators and computer programs. Within the Marie Curie actions, the researchers have participated in the past in several European networks, e.g., LHCPheNoNet, FlaviaNet and HEPTOOLS. The team collaborates with many academic centers (Valencia, Mainz, Paris, Pavia, Karlsruhe, Hamburg) and research organizations (CERN, DESY).

Fields of interest/research areas for MSC fellows: neutrino physics, phenomenology of beyond Standard Models, low energy physics and development of Monte Carlo generators, hadronic cross sections, modelling of form factors, developing tools for loop calculations.
Required working language: English or Polish.

Offer of collaboration and supervising by:

Prof. Janusz Gluza (<http://us.edu.pl/~gluza>)

Prof. Henryk Czyż (<http://czyz.phys.us.edu.pl>)

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Visit us at www.us.edu.pl and www.if.us.edu.pl

WHAT IS MARIE SKŁODOWSKA-CURIE INDIVIDUAL FELLOWSHIPS (IF) ACTION?

Marie Skłodowska-Curie Individual Fellowships Action provides financial support to research projects submitted to the EU by individuals in possession of a doctoral degree or with at least four years of full-time equivalent research experience (*experienced researcher*), in liaison with a *host institution* located in an EU member state (MS) or an associated country to the EU research Framework Programme (AC). An application must be developed jointly by the researcher and supervisor. The project proposals are submitted by the host organisation in liaison with the researcher.

The applicants can submit their proposals to one of the 8 main evaluation panels:

- Chemistry (CHE)
- Social Sciences and Humanities (SOC)
- Economic Sciences (ECO)
- Information Science and Engineering (ENG)
- Environment and Geosciences (ENV)
- Life Sciences (LIF)
- Mathematics (MAT)
- Physics (PHY)

Fellowships last between 12 and 24 months.

WHO CAN APPLY?

At the deadline for the submission of proposals, researchers:

- shall be in possession of a doctoral degree or have at least four years of full-time equivalent research experience
- 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 prior to their appointment date. Compulsory national service and/or short stays such as holidays are not taken into account.

FINANCIAL ASPECTS

• Living allowance: € 4,650 per month

A country correction coefficient, applicable to the country of the researcher's host organisation, applies to the living allowance (Poland: **76.4%**). This refers to the basic, gross amount for the benefit of the researcher to be paid to the researcher in monthly instalments.

• Mobility allowance: € 600 / month

• Family allowance: € 500 / month

The family allowance will be paid in case the supported researcher has family obligations. In this context, family is defined as persons linked to the researcher (i) by marriage, or (ii) a relationship with equivalent status to a marriage recognised by the legislation of the country where this relationship was formalised; or (iii) as dependent children who are actually being maintained by the researcher. The family status of a researcher will be determined at the deadline of the call and will not be revised during the lifetime of the action.

The mobility and family allowances are fixed amounts and may be taxable depending on the country.

More information on the Marie Skłodowska-Curie website:

http://ec.europa.eu/research/mariecurieactions/index_en.htm