

Expression of Interest



Contact Person/Scientist in Charge

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Department / Institute / Centre

- **Name:** University of the Basque Country (UPV/EHU) - Faculty of Science and Technology and Faculty of Pharmacy, MICROFLUIDICS UPV / EHU Cluster
- **Address:** Barrio Sarriena SN, Leioa, 48940
- **Province:** Vizcaya

Research Area

- Chemistry (CHE)
- Information Science and Engineering (ENG)
- Life Sciences (LIF)

Brief description of the institution:

Brief description of the Centre/Research Group (including URL if applicable):

The UPV/EHU (www.ehu.es) is a teaching and research institution officially founded in 1985. It is the leading research institution in the Basque country, placing it among the world's 500 top universities, according to Shanghai Ranking. The university employs over 7.000 people throughout 20 centers distributed in its three campuses with over 45,000 undergraduate and postgraduate students.

The UPV/EHU gathers 290 research groups with a scientific output of over 35 articles per week in journals in the first quartile and 45% of the publications in competitive journals (WoS and Scopus) are the result of international collaboration.

Since the first Research Framework Programmes, the UPV/EHU has been very active and has participated in over 40 projects from the Sixth Framework Programme (FP6). With regard to the FP7, the UPV/EHU has participated in 103 projects and is the beneficiary of seven ERC Grants and 35 Marie Curie projects. Besides, from 2007 to 2015 the UPV/EHU has participated in another 86 projects both communitarian and international.

Regarding H2020, up to May 2016, the UPV/EHU is the beneficiary of nine MSC-IF (2 GF and 7 EF) and seven collaborative MSC actions (4 ITN and 3 RISE). Overall, 33 projects were granted in H2020.

Project description:

The Microfluidics UPV/EHU Cluster is a strategic alliance between two research teams working on Micro- and Nanotechnologies for Lab-on-a-Chip applications at the University of the Basque Country.

We focus on applied and translational research. Through the combination of microfluidics, sensors and actuators we develop Integrated Microsystems with applications in biomedical diagnostics, environmental analysis, chemistry, sport science, biology and medicine.

We are a multidisciplinary team comprised by chemists, biologists and engineers, in close collaboration with sport and environmental scientists, medical doctors, and industry.

Our main research lines are: Polymer microfluidics; Paper microfluidics; Surface engineering; Cells & Chips; Sensors & Actuators in Microfluidics; Integrated Microsystems

Research areas: Life Sciences, Chemistry, Information Science and Engineering

Web : <http://www.ehu.eus/en/web/Microfluidics/home>

Applications

Deadline of the next call for proposals for Marie Skłodowska – Curie Individual Fellowships is **September, 14th 2016**.