



MPC MATERIALS PHYSICS CENTER



POST-DOCTORAL RESEARCH POSITION THEORY OF NANOPHOTONICS GROUP

Materials Physics Center (Donostia / San Sebastián) and University of the Basque Country UPV/EHU (Bilbao)

The **Theory of Nanophotonics Group** at CFM is offering a postdoctoral position (1+1 years) starting in early 2019 to work with Prof. Javier Aizpurua, in collaboration with Dr. Nerea Zabala and Dr. Rubén Esteban, in the theoretical description of cavity-enhanced molecular spectroscopy, and the optical response of advanced nanosystems.

The Theory of Nanophotonics Group at the Center of Materials Physics addresses the optical response of nanoscale systems. Current research topics in the group include theoretical modeling of light-matter interactions for applications in active plasmonic devices, quantum plasmonics, field-enhanced spectroscopy and microscopy, near-field microscopy, plasmon excitation by fast electron probes, photon emission in STM configurations, and optical properties of hybrid nanosystems. For more information, visit our web: <http://cfm.ehu.es/nanophotonics/>

Candidates must hold an internationally-recognized PhD- equivalent degree in Physics or Electrical Engineering, preferably in the field of Nanophotonics. Expertise in numerical simulation methods such as FDTD or COMSOL for solving Maxwell's equations will be highly appreciated for this particular position, as well as background in theoretical Nanophotonics.

Suitable candidates can apply for this position by following this link <http://cfm.ehu.es/cfm/index.php/job-application>. Please choose the following job offer reference: **27_11_2018_PD**, and upload the following information in the application **before 10th of January 2019**:

- 1- An updated Curriculum Vitae, including a list of publications.
- 2- A presentation letter with declaration of interests (max. 1 page).
- 3- Two reference letters and/or contact email of two potential referees.

General enquiries or questions about this position should be submitted by email to: jobs.cfm@ehu.eus with the subject label "Postdoc CFM-Nanophotonics".