

POST-DOCTORAL RESEARCH POSITION

THEORY OF NANOPHOTONICS GROUP AND QUANTUM CHEMISTRY GROUP

Materials Physics Center (Donostia / San Sebastián)

The **Theory of Nanophotonics Group** is offering a postdoctoral position (2 years) starting in 2019 to work with Prof. Javier Aizpurua, Dr. Rubén Esteban, and Dr. David Casanova, in the field of **molecular states interacting with light**. In particular, the candidate would join a collaborative **European project** working in the quantum description of **molecular electronic and vibrational states** in the presence of an optical cavity.

The Theory of Nanophotonics Group at the Center of Materials Physics addresses the optical response of nanoscale systems and the Quantum Chemistry Group at DIPC develops excited state electronic structure methods. Current research topics in the groups include theoretical modeling of quantum chemistry and light-matter interactions for applications in active molecular-plasmonic devices, quantum plasmonics and field-enhanced spectroscopy and microscopy. For more information visit our web: <http://cfm.ehu.es/nanophotonics> and <https://www.ikerbasque.net/david-casanova>.

Candidates must hold an internationally-recognized PhD- equivalent degree in Physics, Chemistry, or Electrical Engineering. Expertise in the field of Quantum Chemistry is particularly welcome.

Suitable candidates are requested to submit:

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

Applications or general enquiries should be submitted by email to:

ruben_esteban@ehu.eus (cc-ed to david.casanova@ehu.eus) with the subject label "Postdoc Quantum Chemistry and Nanophotonics" **before 26th of February 2019**.