

Quantum description of vibrational molecular states coupled to optical nanocavities.

Wed, 2018-12-05 16:00 - [Ruben Esteban](#) [1] **At:** Material Physics Center (San Sebastián)
Deadline: 10 January, 2019

Location

Material Physics Center San Sebastián Spain

The Group of Theory of Nanophotonics is offering a postdoctoral position (1+1 years) starting in early 2019 to work with Prof. Javier Aizpurua, and Dr. Rubén Esteban, in the field of **quantum nanophotonics**. In particular, the candidate would join a collaborative European project working in the quantum description of **molecular states coupled to optical nanocavities**.

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 and field-enhanced spectroscopy and microscopy. For more information visit our web: <http://cfm.ehu.es/nanophotonics/> [2]

Candidates must hold an internationally-recognized PhD- equivalent degree in Physics or Electrical Engineering, preferably in the field of Nanophotonics. Expertise in quantum chemistry, quantum nanooptics, and quantum optomechanics are particularly appreciated.

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 [at] ehu [dot] eu** with the subject label "Postdoc Theory of Nanophotonics" before 10th of January 2019.

- [Postdoc](#) [3]

Source URL:

<http://qurope.eu/db/jobs/quantum-description-vibrational-molecular-states-coupled-optical-nanocavities>

Links:

- [1] <http://qurope.eu/users/rubenesteban>
[2] <http://cfm.ehu.es/nanophotonics/>
[3] <http://qurope.eu/db/jobs/type/postdoc>