

We offer several PhD and Postdoc positions within the Project NanoQuCo (<https://www.nanoquco.es/home>), a R+D Synergy Grant on New Emerging Scientific Fields from the Comunidad de Madrid (Spain). This is a collaborative project between two groups: the QNanolight group based at IFIMAC/UAM (<https://qnanolight.es/>) and the QUINFOG group based at the Institute of Fundamental Physics-CSIC (<https://quinfog.hbar.es/>).

We are looking for talented and motivated researchers to work in collaboration with project team members either at IFIMAC/UAM (<https://www.nanoquco.es/team/uam-node>) or at CSIC (<https://www.nanoquco.es/team/csic-node>).

Candidates will work in one of the main research lines of the NanoQuCo project, including:

- Control of quantum interactions through nanophotonic structures.
- Nanophotonic structures for the generation of complex quantum states of light.
- Development of new quantum computing paradigms with quantum nanophotonics.
- Spectroscopy and metrology with quantum states of light.

The duration of contracts is of 3 years for PhD positions and 2 years for Postdoc position, with starting date around December 2021.

Interested candidates should write to [nanoquco@gmail.com](mailto:nanoquco@gmail.com), sending:

- An updated CV, including university record, and the contact details of two referees.
- A motivation statement, specifying the group they would like to work on.

The deadline for applications is **October 31st 2021**.

The number and types of positions will depend on the number and quality of applicants.