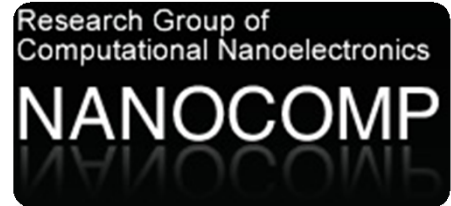




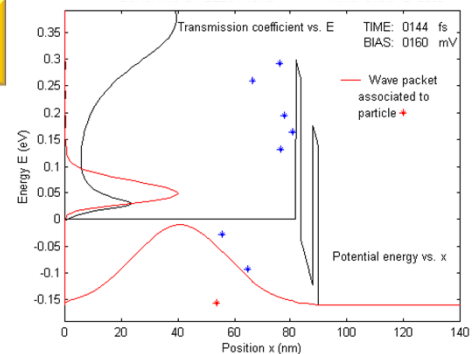
Universitat Autònoma de
Barcelona



PhD offer: Fundamental research on quantum nanoelectronic devices

Candidate requirements:

The candidate needs a graduate title in physics, electronics, materials science or similar with a master level (or equivalent) before September 1st, 2016, when the PhD contract will start.



Information for the FPI grant:

- . The PhD is granted for 3 years by UAB (Gross annual wage 14.525 Euros)
- . Those interested have to sign electronically **from May 9 to May 20, 2016**
- . The resolution will take place during June-July 2016.

Those interested in the FPI grant please contact urgently:

Xavier Oriols (UAB) xavier.oriols@uab.es Phone: +34 93 581 35 23

. Related Research Projects:

- 1.- "GRAPHENE-BASED REVOLUTIONS IN ICT AND BEYOND"
- 2.- "ELECTRON AND PHONON TRANSPORT IN NANODEVICES FOR LOW AND ZERO POWER CONSUMPTION"

. Related research activity:

New tools for the many-body problem: [Phys. Rev. Lett., vol.98, 066803 \(2007\)](#); Electron devices for measuring *local (Bohmian) velocities* and *wave functions* [Phys. Rev. Lett. 116, 110404 \(2016\)](#); A new [BITLLES simulator](#) is developed from these ideas.