



PhD Research Position

Physics and Engineering of NanoDevices Group (PEND)

A PhD position to work on spintronic devices is available in the group of **Prof. Sergio O. Valenzuela**, at the *Catalan Institute of Nanoscience and Nanotechnology (ICN2), Barcelona, Spain*. The applicants must show motivation, excellent disposition towards challenging research problems and a good level of the English language. The general area of research is electronic properties of graphene and topological insulators with an emphasis on spin transport and manipulation. The selected candidate will be trained in state-of-the-art nanodevice fabrication, characterization and (high-frequency) electrical measurements, and will work with the group senior members and collaborators.

The position is funded by the [ERC](#) Starting Grant Project *SPINBOUND* and will be granted for a period of up to four years. The successful applicant will be enrolled in the PhD program of the Autonomous University of Barcelona ([UAB](#)). A completed degree in Physics is required at the time of joining the group with an average grade above 8. Experience in electric transport experiments will be valued.

The position is available immediately. Applications should contain a curriculum vitae and a short paragraph describing research interests and should be e-mailed in PDF format to: SOV@icrea.cat.

The ICN2 is in the main Campus of the Autonomous University of Barcelona, which is located 30 minutes north of downtown Barcelona. For more information on the group activities, please refer to <http://www.icn.cat/pend>.

