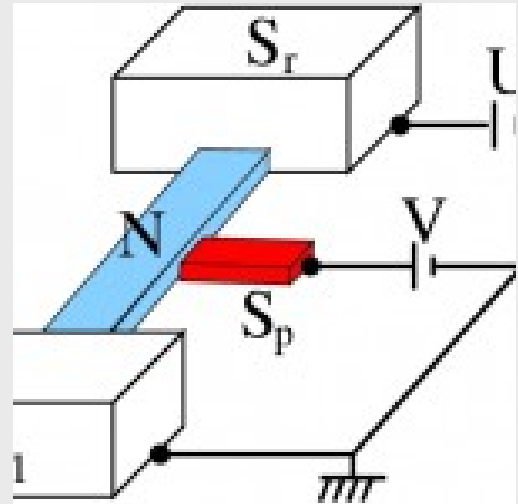


## Correlated Electrons in Hybrid Nanostructures: From Transport Properties to Quantum Information Processing

Funding Agency: Spanish Ministry of Science and Innovation (FIS2011-26516).

Duration: January 2012 – December 2015.

Principal Investigator: [Alfredo Levy Yeyati](#).



Description:

**T**his project aims to study theoretically different phenomena associated with electronic transport in hybrid nanostructures. The project includes the following research lines:

- Correlation effects in molecular junctions.
- Andreev bound states in superconducting junctions.
- Splitting of Cooper pairs in double quantum dot devices.
- Electron transport in topological insulators.