

## Nanoscience and nanobioelectronics

Tue, 2016-11-15 11:38 - [Rosaria Rinaldi](#) [1] **Research Type:** Experiment

### MAIN RESEARCH LINES

1. Nanolithographies, soft lithographies, and Surface functionalization
2. New prototype of molecular and biomolecular electronic devices. Nanobiosensors, Lab-on-chip for analysis and diagnostics at the point of care
3. Scanning probe microscopy and spectroscopy of single molecules, cells, and molecular layers and crystals, under different environment and at low temperature
4. Intelligent drug delivery and targeted therapy
5. Design and bioengineering of polymeric scaffolds for tissue engineering and regenerative medicine
6. Fluorescence, phosphorescence and micro-fluorescence studies of biological species
7. Technology of prototype hybrid devices.
8. Nanobioelectronics; Protein base computation networks; Molecular Quantum Cellular Automata; Nanodevices

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- [Quantum Engineering](#) [2]
- [Quantum Computation](#) [3]

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[2] <http://qurope.eu/category/virtual-facility/quantum-engineering>

[3] <http://qurope.eu/category/virtual-institute/quantum-computation>