

Project EU ERC Consolidator Grant 2018

“General Embedding Models for Spectroscopy” (GEMS)

The PhD positions in “Methods and Models for Molecular Sciences” for the 35° cycle and starting with the academic year 2019-2020 are increased of n.2 four-year grants, in the framework of the project EU ERC Consolidator Grant 2018 “General Embedding Models for Spectroscopy” (GEMS).

The aforementioned PhD positions will be aimed at investigating the following research topics:

1. “Development and implementation of hybrid quantum/classical approaches for the calculation of spectra of molecular systems adsorbed on metal substrates”
2. “Development and implementation of classical and quantum/classical approaches for the study of the optical properties of 2D and 3D plasmonic systems”

The successful candidates of these positions, instead of the PhD scholarship, will benefit of a research grant, according with the article 22 of the Italian Law n. 240 of 30 December 2010.