

## molecular quantum spintronics

Wed, 2016-01-27 18:28 - [Marco Affronte](#) [1] **Website:**  
<http://www.moquas.eu/> [2]

**Research Type:** Experiment

we aim at developing devices and protocols to read out and process quantum information using individual molecular spins embedded in electronic circuits. To this end, prototypical hybrid nano-devices addressing single molecular spins will be designed and reliable methods for their realization will be developed. Core of such nano-architectures are magnetic molecules, specifically functionalized to graft electrodes, and exploited as spin (qu)bits.

**Leader:** Affronte

### Location

Modena Modena Italy  
44° 38' 49.6608" N, 10° 55' 30.8172" E

- [Quantum Engineering](#) [3]
- [Quantum Computation](#) [4]

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