



Andrea Albino



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WORK EXPERIENCE

- ◆ **Research Associate** | Humboldt-Universität zu Berlin
Dec 2021–present
 - Member of FAIRmat consortium (fairmat-nfdi.eu) as part of development team implementing and operating NOMAD (nomad-lab.eu), a novel materials database compliant to FAIR principles for research data management.
- ◆ **Teaching Assistant** | Chemistry Dept. “Ugo Schiff”, Università degli Studi di Firenze
Oct 2019–Gen 2020; Oct 2020–Gen 2021
 - Complemented the class “General and Inorganic Chemistry, Stoichiometry” with training exercises lectures.
- ◆ **Visiting Phd Student, Short Term Scientific Mission Grantee** | Trinity College Dublin
Feb 2020–Mar 2020

Project granted by Cost.eu with title: “First-Principles Spin Dynamics Under Free Electron Laser Irradiation”. Hosts: Prof. Stefano Sanvito and Dr. Alessandro Lunghi.
- ◆ **Unstructured Staff, Master Thesis Intern** | Chemistry Dept. “Ugo Schiff”, Università degli Studi di Firenze
Oct 2017–Jul 2018
 - Applied atomistic simulation techniques and data analysis for study of potential molecular qubits. This work led to a publication.
- ◆ **Visiting Master Student, Short Term Scientific Mission Grantee** | Trinity College Dublin
Jan 2018–Mar 2018
 - Project granted by Cost.eu with title “Ab initio investigation of vibrational properties involved in magnetic relaxation of potential molecular qubits crystals”. Hosts: Prof. Stefano Sanvito and Dr. Alessandro Lunghi.
- ◆ **Unstructured Staff, Bachelor Thesis Intern** | Chemistry Dept. “Ugo Schiff”, Università degli Studi di Firenze
Jan 2016–Jun 2016
 - Synthesized and characterized a Vanadium coordination complex as a potential molecular qubit. This work led to a publication.

EDUCATION & TRAINING

- ◆ **Cycle XXXIV PhD in Chemistry** | Chemistry Dept. “Ugo Schiff”, Università degli Studi di Firenze
Nov 2018–Nov 2021

Thesis: *Ab initio Analysis of Magnetic Systems: Structural and Magnetic Properties from the Bulk Phase to the Adsorption on Surface*
- ◆ **Master Degree in Chemistry** | Università degli Studi di Firenze
Sep 2016–Sep 2018

Thesis: *Ab initio investigation of spin-phonon coupling in vanadium(IV) complexes*
- ◆ **Bachelor Degree in Chemistry** | Università degli Studi di Firenze
Sep 2012–Jun 2016

Università degli Studi di Firenze
Thesis: *Magnetization dynamics of a vanadium(IV) dithiolene complex*
- ◆ **High School Graduation, Maturità Classica** | Liceo Classico Statale “Mario Pagano”, Campobasso (CB), Italy
Sep 2007–Jun 2012