

CV Profile (max. 2 pages length)

I **LUIGI AGOSTINI**

Research interests

My current research interests lie in the simulation, synthesis and in-vitro/in vivo studies of new antiviral agents, obtained from complex oligopeptides (see: In silico design of glyco-D,L-peptide antiviral molecules, Posted March 21, 2019, Luigi Agostini, Stefano Morosetti; doi: <https://doi.org/10.1101/583765>).

However, I am also experienced in the synthesis and structural characterization (NMR, FT-IR, UV, X-Ray) of metal-organic compounds, through Schlenk techniques, and in the synthesis and characterization (TEM, SEM, XRD) of metal nanoparticles.

Education

PhD: (01/03/2002- 19/03/2007)

Master's Degree: (01/02/1993- 01/02/1996)

Sector of activity

Biochemistry, Inorganic Chemistry, Nanomaterial

Experience

5 years (PhD): Synthesis and structural characterization (NMR, FT-IR, UV, X-Ray) of metal-organic compounds, through Schlenk techniques, and in the synthesis and characterization (TEM, SEM, XRD) of metal nanoparticles.

2 years (Msc): Development of a Genetic Algorithm for the optimization of a protein's secondary structure (Protein Folding Problem).

1 year (Marie Curie Fellowship): DFT studies of antimony alkoxides spectroscopic properties.

Contact information

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