CURRICULUM VITAE
Raffaele Fiorentini

PERSONAL DATA

Date of birth:	26th March 1990
Nationality:	Italian
Gender:	Male
Address:	Berliner Stra Straße 33d, App. 002, Mainz – Germany
E-mail:	fiorentini@mpip-mainz.mpg.de
Current Position:	PhD student at Max Planck Institute for Polymers, Mainz, Germany

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EDUCATION AND QUALIFICATIONS

→ **May 2016 –**

PhD student at Max Planck Institute for Polymers, Mainz, Germany.

Supervisors: Dr. Raffaello Potestio, Prof K. Kremer

→ **September 2013 – December 2015: University of Bari, Italy**

Master in Physics (110/110).

Final project in Computational Bio Physics: *"Replica Exchange with Solute Tempering: application to the N-terminal segment of human Aquaporin 4"*.

Supervisors: Prof. G. Lattanzi, Dr. G. F. Mangiatordi

→ **July 2015: SISSA | Scuola Internazionale Superiore di Studi Avanzati (Trieste, Italy)**

Summer school in "Atomistic Simulation Techniques".

→ **September 2009 – April 2013: University of Bari, Italy** Bachelor

in Physics (100/110).

Final project in Medical Physics: *"Il Radon negli ambienti confinati"*. Supervisor:

Prof. T. Maggipinto

SCIENTIFIC COMMUNICATIONS

- **Posters**

→ Adaptive Resolution Simulations of Biomolecular Systems, TU Darmstadt, Germany, October 2016.

→ Adaptive Resolution Simulations of Biomolecular Systems, Schloss Waldthausen, Mainz, Germany, October 2016 .

LANGUAGE SKILLS

→ **Italian:** Mother tongue

→ **English:** Good, both oral and written

TECHNICAL SKILLS

→ Classical MD (Molecular Dynamics) simulations of proteins.

→ Monte Carlo simulations of protein (in particular Replica Exchange Molecular Dynamics and Replica Exchange with Solute Tempering)

→ Cluster analysis.

→ Multiscale models of biomolecules.

→ Coarse Grained (CG) techniques.

COMPUTER SKILLS

VOTCA, ESPRESSO++ software packages.
GROMACS, NAMD 2.7 and VMD software packages.
MICROSOFT and UNIX operating systems.
Programming languages: C, C++, Fortran90/95, python, bash scripting

RESEARCH INTERESTS

I would like to work in the research field of computer simulations and their applications to systems of biological and/or technological relevance. In particular, I am interested in the development and application of multiscale models for proteins, biopolymers, organic materials etc. I am eager to learn new approaches, new techniques and work in an international scientific environment.