

LORENZO TINACCI

Chemical Physicist

Chemo-informatics

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✉ Via Pisana 324, 50143 Florence, Italy ⚙ Turin, Italy
📅 June 3, 1992 🇮🇹 Italian, UE



EXPERIENCE

ITN Marie Curie PhD Researcher in Astrophysics

Université Grenoble Alpes

📅 October 2019 – Ongoing ⚙ Grenoble, France

- Gas-grain models and Artificial Intelligence: applications to improve the astrochemical reaction networks.

Firefighter

Departement of Vigili del Fuoco di Firenze, Italian Ministry of the Interior.

📅 October 2012 – Ongoing ⚙ Florence, Italy

- Operative firefighter.

Trainee researcher

Instituto de Estructura de la Materia, CSIC, Madrid

📅 April 2016 – July ⚙ Madrid, Spain

- Traineeship in ERASMUS+ program.

PROJECTS

Enhanced Diffusion Coefficient Model in Enzymes

Center for Molecular Biophysics, CNRS, Orléans

📅 June 2019 – July 2020 ⚙ Orléans, France

- Research collaboration and internship.

Finite size effect in the Michaelis-Menten stochastic reaction

University of Florence

📅 July 2018 – May 2019 ⚙ Florence, Italy

- Master thesis projects, results in printing.

Surface-Enhanced Raman Scattering of Biomolecules on Plasmonic Nanoparticles

Instituto de Estructura de la Materia, CSIC, Madrid

📅 April 2016 – July 2016 ⚙ Madrid, Spain

- Optimization of the experimental setup (optics and samples) and data analysis, in an international context.

MY LIFE PHILOSOPHY

"I know that I know nothing." (Socrates)

MOST PROUD OF

Marathons

Florence (2017,2016), Lucca (2016), Mugello (2017)

Returning Officer

Since 2018, in Metropolitan City of Florence

STRENGTHS

Hard-working Eye for detail

Teamwork Endurance

interdisciplinary background

LANGUAGES

Italian

★★★★★

English

★★★★●

EDUCATION

M.Sc. in Chemical Science

University of Florence

📅 Sept 2016 – April 2019

Thesis title: *Finite size effect in the Michaelis-Menten stochastic reaction*

Supervisor: prof. Duccio Fanelli (UniFi)

Final grades: 110/110 cum laude

B.Sc. in Chemistry

University of Florence

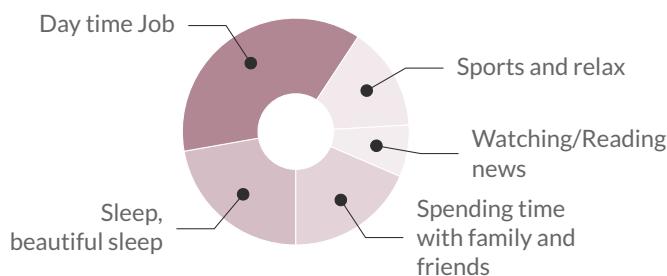
📅 Sept 2011 – December 2015

Thesis title: *Spectroscopic determination of the binding energy in model molecular complexes*

Supervisor: prof. Maurizio Becucci (UniFi)

Final grades: 100/110

A DAY OF MY LIFE



COURSES

Introduction to Computer Science and Programming Using Python

MITx

October 2019

Online

Data science with R

CINECA

November 2018

Milan, Italy

High Performance Molecular Dynamics

CINECA

May 2018

Rome, Italy

Introduction to Modern Fortran

CINECA

May 2017

Rome, Italy

High Risk and Antifire Procedure

Ministry of Interior, Departement of Firefighter of Florence

November 2012

Florence, Italy

PUBLICATIONS

Journal Articles

- Hernández B., Tinacci L. et al. (2018). "Tryptophan Tight Binding to Gold Nanoparticles Induces Drastic Changes in Indole Ring Raman Markers". In: *The Journal of Physical Chemistry C* 122.24, pp. 13034–13046.

INFORMATIC SKILLS

OS Knowledge:

Microsoft Windows



GNU/Linux



MacOS



Programming languages:

Python



C



MATLAB



FORTRAN



LaTex



REFEREES

Prof. Maria Cecilia Ceccarelli

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Grenoble, France

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Fiorentino, Italy

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