

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 Matera, 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 Matera, 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

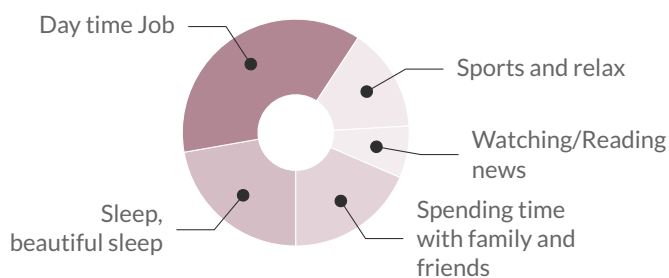
B.Sc. in Chemistry

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



FORTTRAN



LaTeX



REFEREES

Prof. Maria Cecilia Ceccarelli

@ Institut de Planétologie et
d'Astrophysique de Grenoble

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Grenoble, France

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Fiorentino, Italy

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Materia

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