Daniele Maccarone

PERSONAL SUMMARY

I am a passionate and curious chemistry student, with solid background in organic chemistry and expertise in computational chemistry. Possessing strong critical thinking skills and a good quick-learning ability, I am able to work well both in a team environment as well as using own initiative.

AREAS OF STUDY

- Organic reactivity
- Photodynamic therapy
- Computational chemistry

PUBLICATIONS

- ***Org. Chem. Front.***, 2022, **9**, 4057 - 4062

SEMINARS

- Chemical Theory and Modelling Group (CTM) internal seminars
- Institute of Chemistry for Life and Health Sciences (I-CLeHS) monthly seminars

FOREIGN LANGUAGE SKILLS

- Italian (mother tongue)
- English (C1)
- French (C1)
- Spanish (B1)

EDUCATION BACKGROUND

MSc in Chemistry
Alma Mater Studiorum - Università di Bologna (2020 - 2023)
Final mark: 103/110
Thesis title: Computational study of photo-physical properties of Temoporfin@HSA complex adduct by TD-DFT methods
Main subjects covered: biochemistry, organic chemistry, computational chemistry, photochemistry

BSc in Chemistry and Materials Chemistry
Alma Mater Studiorum - Università di Bologna (2017 - 2020)
Final mark: 105/110
Thesis title: Study and applications of reverse docking protocol in virtual screening techniques
Main subjects covered: biochemistry, molecular docking

Scientific High School Diploma
Liceo Scientifico Galileo Galilei, Catania, Italy (2012 - 2017)

WORK SUMMARY

Intern at Chemical Theory and Modelling Group
PSL University - ChimieParisTech
Paris (02/2022 - 07/2022)
Main activities and responsibilities
Computational study of biophysical features of Foscan®, one of the few approved drugs in the EU for photodynamic therapy

Tutor at CeSIA
Alma Mater Studiorum - Università di Bologna
Bologna (03/2021 - 11/2021)
Main activities and responsibilities
Academic advisor during the admission tests to University of Bologna

SOFT SKILLS

Team work

Team building

Flexibility and adaptability

Quick-learner

Stress resistance

Autonomy

REFERENCES

References are available upon request.

CONTACT DETAILS

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Catania, 95126
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HARD SKILLS

Laboratory skills
- Competent in and knowledgeable about an array of common organic chemistry techniques and methods.
- Instrumental skills such as the operation and the interpretation of data from: NMR, GC/MS, HPLC, UV-VIS, and IR.

IT skills
- Main computational chemistry software (Gaussian16, Gaussview, VMD, Molden, Avogadro)
- Microsoft Office (Word, PowerPoint, Excel)

ADDITIONAL INTERESTS

Football
Football player since 2004, currently playing, now at amateur level. Managing my sport and academic career taught me how to manage stress, be part of team, and take responsibilities.