



TOMMASO POSENATO

CURRICULUM VITAE



Date of birth / 23/09/1997 Age / 25
Place of birth / UDINE (UD)
Nationality/ citizenship / Italy
CALUIRE-ET-CUIRE (FRANCIA)
Driving licence / B / Car available
ID/ 5019495 updated on 24/10/22

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SOFT SKILL

Autonomy 7/10
Self confidence 8/10
Flexibility/Adaptability 7/10
Resistance to stress 7/10
Ability to plan and organize 8/10
Managing information 7/10
Precision/Attention to details 7/10
Learn continuously 9/10
Achievement of objectives 9/10
Entrepreneurial spirit and initiative 8/10
Communication 8/10
Problem Solving 8/10
Team work 8/10
Leadership 7/10

FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH GOOD	C1	C1	B2	B2	B2
GERMAN LIMITED	A1	A1	A1	A1	A1

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** /
Doctoral studies
ECONOMIC SECTOR: **1.** chemistry / **2.**
chemical-pharmaceutical industry
CAREER FIELD: **1.** R&D and patents / **2.**
Manufacturing
DESIRED JOB:
**R&D in organic and pharmaceutical
chemistry**
PREFERRED DISTRICT TO WORK IN: **1.**
UDINE / **2.** TRIESTE
AVAILABILITY FOR BUSINESS TRAVELS:
Yes, including relocation
AVAILABILITY TO RELOCATE ABROAD:
Yes, but only in Europe

Career Goal

Working in the area of drug synthesis and development has always been my passion and goal. Research and development departments are what I aim for in a pharmaceutical company, my knowledge, perseverance, and passion could prove useful to any company.



WORK EXPERIENCES

Traineeship in Organic and Pharmaceutical Chemistry RHEINISCHE FRIEDRICH- WILHELMS-UNIVERSITÄT BONN

Chemical-pharmaceutical
industry
BONN (GERMANY)
06/2021 - 12/2021

Main activities and responsibilities: During this traineeship potential Sars-CoV-2 Main Protease (mpro) were synthesized, optimized and the inhibition potency of the compounds were tested on the enzyme. The three-step synthetic route was determined using a retrosynthetic approach and optimized to reduce the toxicity and increase the yields of the reactions. Inert conditions and organometallic catalysis were also used. In order to purify the compounds automatic and traditional column chromatography were operated. NMR, LC-MS and TLC-MS spectra interpretation were required. I also supervised a new german master student for a month.
Acquired skills and achieved objectives: Optimized reactions, improved purities, determination of pharmacological efficacy of synthesized compounds, Improved time management, improved organization of data and notes, teamwork, inert atmosphere reactions.
Employed as: intern/trainee - undergraduate internship | Company sector: R&D and patents



ACADEMIC STUDIES

PHD
2022 - 2025
ONGOING STUDIES
FRANCE

Université Claude Bernard Lyon 1
Polymer chemistry
Expected graduation date: 2025

MASTER'S DEGREE
2019 - 2022
CERTIFIED TITLE



Università degli Studi di TRIESTE
Dipartimento di Scienze Chimiche e Farmaceutiche
Master's degree in chemistry
specific field of the degree course: organic-biomolecular
LM-54 - 2nd level degree in Chemistry
Dissertation/thesis title: Synthesis and optimization of Sars-CoV-2
Main Protease Inhibitors | Dissertation/thesis subject:
Pharmaceutical and medicinal chemistry | Thesis supervisor: BERTI
FEDERICO | Dissertation/thesis keywords: COVID-19, Sars-CoV-2,
Mpro, Inhibitors, compounds
Age at graduation: 24 | Official duration: 2 years
Final degree mark: **107/110**
Graduation date: 18/03/2022

BACHELOR'S DEGREE
2016 - 2019
CERTIFIED TITLE



Università degli Studi di TRIESTE
Dipartimento di Scienze Chimiche e Farmaceutiche
Three-year degree in chemistry
L-27 - 1st level degree in Chemistry
Dissertation/thesis title: EXPERIMENTAL AND MODELING STUDY
OF STRUCTURE-ACTIVITY RELATIONSHIPS IN A SERIES OF HIV1
PROTEASE INHIBITORS | Thesis supervisor: BERTI FEDERICO |
Dissertation/thesis keywords: AIDS HIV-1 Protease FRET

Pseudopeptides

Age at graduation: 22 | Official duration: 3 years

Final degree mark: **96/110**

Graduation date: 13/12/2019

TECHNICAL CERTIFICATE

UDINE
2016

A. *MALIGNANI*, UDINE (UD)

School-leaving examination mark: **80/100**

Kind of secondary school diploma: Italian secondary school diploma



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Intermediate) | **Presentation Software:** (Intermediate) |
Spreadsheets: (Foundation) | **Web Browser:** (Intermediate) | **Word Processors:** (Intermediate)

SYSTEMS AND NETWORKS MANAGEMENT

Operating systems: (Intermediate)



STUDIES AND EXPERIENCES ABROAD

GERMANY
2021

Other experience acknowledged by the course of study (Traineeship in Pharmaceutical chemistry)

At: Universität Bonn

Place: **Bonn (Germany)** | Language: English | Duration: 6 (months)

Using my knowledge in organic synthetic chemistry a series of potential Sars-CoV-2 Main protease (Mpro) were synthesized. Synthetic pathway was also optimized.