


<b>PERSONAL DETAILS</b>	
First name	Margherita
Surname	Marino
Date of birth	30/01/1997
Nationality	Italian
Address	Via dell' agrifoglio 2
City	Sesto Fiorentino (Firenze), 50019
Nationality	Italian
Birth date	30/01/1997
Telephone number	+39 3703065736
e-mail	margherita.marino@stud.unifi.it
<b>SKILLS</b>	Organic synthesis
	NMR Spectroscopy of small organic molecules
	Analytical Separation methods
	MS of small organic molecules
	IR of small organic molecules
	Expression of metal proteins
	Manipulation of DNA
<b>EDUCATION AND TRAINING</b>	
Master's degree	Chemical Science
Curriculum	Chemistry of Biological Molecules
Date	2020 - / ongoing
University	University of Florence
Exams	Chemistry of Biomolecules : 30 e Lode/30 Superior Inorganic Chemistry: 29/30 Advanced Biochemistry: 29/30 Molecular Biology: 29/30 Structural Biology: 29/30 Biorganic Chemistry: 30 e lode/30 Superior Physical Chemistry: 30 e Lode/30 Instrumental Methods in Analytical Chemistry: 30/30 NMR in Structural Biology: 30/30 Structure and Reaction of Metalloproteins: 30/30
Exams to be passed	Chemistry of biodegradation processes:

by 07/2022	Laboratory of Expression of Metalloproteins: Laboratory of Magnetic Resonance:
<b>Internship</b>	
Where	University of Groningen (Netherlands)
Period	From January 2022 to July 2022
Supervisor	Prof. Dr Marthe Walvoort
About	<ul style="list-style-type: none"> <li>○ Studying the activity of ApNGT. Currently trying to modify the DNA with some point mutations to increase the ability to transfer the Galactose to Adhesin (low activity for the wild type) and to maintain the same activity towards Glucose.</li> <li>○ Expression of <math>\beta</math>GalD-D (wild type and mutant, R484S) in E.Coli. Studying both the Hydrolase and Transgalactosylation activity .</li> <li>○ Enzymatic assays of ApNGT (wild type) with 4-Az-1-MetGlc and HMW1ct.</li> </ul>
Bachelor's degree	Chemistry
Curriculum	Chemical Science
Date	2016 - 2020
University	University of Florence
Exams	<p>Informatic Skills in Chemistry: Qualified  Numerical Calculation and Programming: 23/30  Analytical Chemistry I and Laboratory of Analytical Chemistry I: 27/30  General and Inorganic Chemistry and Laboratory of General and Inorganic Chemistry: 26/30  Physics I: 18/30  Physics II: 28/30  English : Qualified  Maths I: 23/30  Maths II: 22/30  Analytical Chemistry II and Laboratory of Analytical Chemistry II: 24/30  Physical Chemistry I and Laboratory of Physical Chemistry I: 27/30  Industrial Chemistry : 30 e Lode/30  Organic Chemistry and Laboratory of Organic Chemistry I: 26/30  Organic Chemistry II and Laboratory of Organic Chemistry II: 25/30  Laboratory of Physics: 23/30  Biochemistry: 27/30  General Biology : 30/30  Physical Chemistry II and Laboratory of Physical Chemistry II: 28/30  Inorganic Chemistry and Laboratory of Inorganic Chemistry: 25/30  Nanotoxicology: 30/30  English B2 level: Qualified</p>
Thesis/internship	Synthesis of functionalized phenyl boronate ChemMatrix® Rink resins to capture glycosylated peptides in diabetes ( Abstract in annex)
Final score	102/110

High school leaving qualification	International Scientific high school
Type of Qualification	ESABAC (Italian graduation and French graduation)
Date	2011 - 2016
<b>VOLUNTEER ACTIVITIES</b>	
	Summer camps with teenagers
	Organization of outside trips with children from elementary and middle schools
	Babysitting
	Activities post schools for teenagers
	Homework help