



Date of birth / 05/04/1996 Age / 29
Place of birth / GENOVA (GE)
Nationality/ citizenship / Italy
VIA MARIO TOSA 10/3, 16013
CAMPO LIGURE (GE)
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FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

ENGLISH GOOD	B2	B2	B2	B2	B2
FRENCH LIMITED	A1	A1	A1	A1	A1

DIGITAL COMPETENCES

DigComp
Information and data literacy **Proficient user**
Communication and collaboration **Proficient user**
Digital content creation **Independent user**
Safety **Independent user**
Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE
DESIRED JOB

DESIRED JOB: **Biologist**
PREFERRED DISTRICT TO WORK IN: **1. GENOVA / 2. ALESSANDRIA**
AVAILABILITY FOR BUSINESS TRAVELS:
Yes, even frequently

Career Goal

I would like to work in a medical research institution or hospital laboratory up to holding positions of responsibility or management. My dream is to be able to do something really useful to improve the quality of our life, for example by finding cures for incurable diseases, and by spreading new mentalities regarding lifestyles that are harmful to health.



WORK EXPERIENCES

PhD Student
**UNIVERSITÀ DEGLI STUDI
DI GENOVA**
GENOVA (GE)
11/2024 - present

Main activities and responsibilities: I am currently completing a 3-year PhD in Clinical and Experimental Immunology at the IRCCS Ospedale Policlinico San Martino. The training period includes the development of a scientific project with final publication of the results obtained.
Employed as: other - fixed-length contract

Health Fellow-Biologist
**OSPEDALE POLICLINICO
SAN MARTINO GENOVA**
Healthcare
GENOVA (GE)
01/2023 - 10/2024

Main activities and responsibilities: Collaborate on the research project "Identification of new targets for the use of NK cells to control metastases in non-small cell lung cancer (NSCLC)." Supervisors Dr. Massimo Vitale and Dr. Monica Parodi
Acquired skills and achieved objectives: During the fellowship I was able to carry out the following activities:
- direct and indirect antibody titration and labeling,
- analysis of samples by flow cytometry (FACS analysis, 11-color Gallios Beckman Coulter cytometer)
- data analysis using Kaluza and FlowJO analysis software,
- cultures of NSCLC tumor cell lines in all their phases (consultation of sample lists, preparation of media, thawing, culture, splitting, execution of experiments and possible refreezing of the remaining cells),
- maintenance of adherent cells in culture,
- development of spheroids in normoxia and hypoxia,
- co-cultures of spheroids with NK cells,
- cytotoxicity assays (CD107a and Calcein release assay),
- PBMC extraction and NK cell separation protocol (Milteny NK Cell Isolation Kit, RosetteSep™ Human NK Cell Enrichment Cocktail STEMCELL),
- activation of NK cells

This experience was also useful for me to see firsthand the organization and execution of a research project in all its phases.
Employed as: other - consulting/collaboration

Curricular Internship
**AZIENDA OSPEDALIERA
SANTI ANTONIO E BIAGIO E
CESARE ARRIGO**
Healthcare
ALESSANDRIA (AL)
03/2021 - 05/2022

Main activities and responsibilities: During the internship I carried out cell cultures of primary human corneal cells starting from their storage, preparation of the plate and growth medium, up to the actual cultivation with incubation, medium replacement, detachment, counting and evaluation of cell viability. These cells were then treated with blood components for non-transfusion use obtained following company protocols, then evaluating their response using cell viability and migration assays. During this internship period I was able to use typical laboratory instrumentation (hoods, centrifuges, spectrophotometers, etc.).
Acquired skills and achieved objectives: This experience allowed me to consolidate my manual skills and taught me how to manage an experimental project.
During this training course I was able to learn about the complex hospital machinery, in particular transfusion medicine and I was also able to carry out some of the routine laboratory practices

Undergraduate Internship A.O. SS ANTONIO E BIAGIO E CESARE ARRIGO

Healthcare
ALESSANDRIA (AL)
10/2018 - 12/2018

(sterility tests, preparation of blood derivatives, etc.). This experience allowed me to work together with other people as a team and taught me to organize the various phases of a study (from its planning to its implementation) and the related timing. I was able to use typical laboratory instrumentation (hoods, centrifuges, spectrophotometers, pipettes, etc.). I was able to delve deeper into some cell culture and treatment methods such as the Scratch Wound Assay and the MTS Assay. Employed as: intern/trainee - undergraduate internship

Main activities and responsibilities: microbiological control of endoscope reprocessing and carrying out daily hospital laboratory activities

Acquired skills and achieved objectives: During the internship I was able to acquire greater skills in the use of laboratory instrumentation, greater knowledge regarding the use of the instrumentation and machinery of the microbiology and virology laboratory of the Alessandria hospital, where I carried out my internship and on the normal procedures/analyses that are carried out daily in the department.

Employed as: intern/trainee - undergraduate internship



ACADEMIC STUDIES

MASTER'S DEGREE

2019 - 2022
CERTIFIED TITLE



UNIVERSITÀ DEL PIEMONTE ORIENTALE

Università degli Studi del PIEMONTE ORIENTALE 'Amedeo Avogadro'
Dipartimento di Scienze e Innovazione Tecnologica

Biology

specific field of the degree course: biomedico e biomolecolare
LM-6 - 2nd level degree in Biology

Dissertation/thesis title: IN VITRO EFFECT OF DIFFERENT TYPES OF BLOOD COMPONENTS FOR NON-TRASFUSION USE ON PRIMARY HUMAN CORNEOCYTES EVALUATED ON THE BASIS OF PROLIFERATION AND SCRATCH WOUND ASSAYS |

Dissertation/thesis subject: BIOCHIMICA APPLICATA | Thesis supervisor: PATRONE MAURO

Age at graduation: 26 | Official duration: 2 years

Final degree mark: **103/110**

Graduation date: 08/06/2022

BACHELOR'S DEGREE

2015 - 2019
CERTIFIED TITLE



UNIVERSITÀ DEL PIEMONTE ORIENTALE

Università degli Studi del PIEMONTE ORIENTALE 'Amedeo Avogadro'
Dipartimento di Scienze e Innovazione Tecnologica

BIOLOGICAL SCIENCE

L-13 - 1st level degree in Biology

Dissertation/thesis title: Quality and safety in the management of reprocessing of endoscopes: the role of microbiology |

Dissertation/thesis subject: MICROBIOLOGIA GENERALE | Thesis supervisor: GAMALERO ELISA

Age at graduation: 23 | Official duration: 3 years

Final degree mark: **93/110**

Graduation date: 18/07/2019



INFORMATION TECHNOLOGY SKILLS

BASIC DIGITAL COMPETENCE

Operating systems **Good**
Word processing **Excellent**
Electronic spreadsheet **Excellent**
Data base administrators **Fair**
Internet skills **Excellent**
Web-site creation **Good**
Multimedia **Excellent**

PROGRAMMING LANGUAGES KNOWN

java, javascript



ACCREDITATION

26/06/2024

**APPLICAZIONI DELLA CITOFLUORIMETRIA A FLUSSO NELLE
PATOLOGIE NON ONCOEMATOLOGICHE**

ACCREDITATION

11/06/2024

Fisica, Tecnologia e Sicurezza dei LASER

1 ECM

Result: Superato

ACCREDITATION

23/05/2024

GIORNATA LIGURE DI SPETTROMETRIA DI MASSA

Held c/o Aula E - Villa Quartara - Via Romana della Castagna 11

8 ECM

Result: Superato

ACCREDITATION

10/05/2024

**Antibody-Drug Conjugates: la nuova frontiera per il trattamento dei
tumori**

8 ECM

Result: Superato

ACCREDITATION

06/03/2024

Grandangolo 2023. Focus sui tumori rari

5 ECM

Result: Superato

ACCREDITATION

31/01/2024

Grandangolo 2023. Un anno di oncologia

11 ECM

Result: Superato

ACCREDITATION

17/01/2024

ANTIMICROBICO-RESISTENZA IN OTTICA ONE HEALTH

ANTIMICROBICO-RESISTENZA IN OTTICA ONE HEALTH

Esperienze e strategie per prevenire la perdita di efficacia degli
antibiotici

14 ECM

Result: Superato

ACCREDITATION

22/11/2023

Accesso e innovazione: il caso del carcinoma dell'endometrio

Three ECM course

Result: superato

ACCREDITATION

21/11/2023

Dispositivo Vigilanza

4 ECM

Result: superato

ACCREDITATION

17/11/2023

Privacy e protezione dei dati personali

4 ECM

Result: Superato

ACCREDITATION

16/11/2023

**Introduzione all'intelligenza artificiale in medicina per il personale
sanitario**

6 ECM

Result: Superato

ACCREDITATION

15/11/2023

La genetica forense in ambito civile e penale

12 ECM

Result: Superato

ACCREDITATION

15/11/2023

Il carcinoma della cervice tra accesso e innovazione

3 ECM

Result: Superato

ACCREDITATION

12/11/2023

Innovazione digitale e analisi dei processi in Sanità

5 ECM

Result: Superato

ACCREDITATION

12/11/2023

**L'immunoterapia nel carcinoma esofageo metastatico: aspetti clinici,
d'accesso e sostenibilità**

3 ECM

Result: Superato

ACCREDITATION

09/11/2023

La paziente con carcinoma mammario HR+/HER2- e CDK 4/6i.

Tematiche selezionate di real world practice

4 ECM

ACCREDITATION
07/11/2023

Result: Superato

Immunoterapia nel carcinoma della cervice uterina: focus sul test di PD-L1 e CPS

3 ECM

Result: Superato

ACCREDITATION
13/10/2023

FlowJo™ Software Training Basic Training Session

Basic course on the use of FlowJo analysis software

Result: positivo

ACCREDITATION
27/09/2023

8th ACC Annual Meeting "NEW TECHNOLOGIES AND STRATEGIES TO FIGHT CANCER"

Eighth National Congress of the Alliance Against Cancer held at CBA - IRCCS Policlinico San Martino Hospital, Genoa on 27 - 29 September 2023

3.6 ECM

ACCREDITATION
30/05/2023

Corso di formazione: Utilizzo dell'azoto liquido in sicurezza

Training course on the correct use of liquid nitrogen, duration 4 hours

Result: Superato

ACCREDITATION
07/05/2023

La statistica facile

4 ECM

Result: Superato

ACCREDITATION
24/01/2023

Corso base di sicurezza 2/3 'rischi specifici aziendali'

Safety in the workplace

Result: Superato

AWARD / SCHOLARSHIP
28/12/2022

'Identification of new targets for the use of NK cells to control metastases in non-small cell lung cancer (NSCLC)'

Awarded on 12/28/22, start of activity on 1/16/2023

Grading in list: 2

ENROLLMENT IN THE PROFESSIONAL REGISTER
03/11/2022

Ordine Nazionale dei Biologi-sezione A

STATE EXAMINATION
25/07/2022

BIOLOGO



WORKS AND ACHIEVEMENTS

AUDIO/VIDEO PUBLICATIONS
2021

'Bando di Idee-Progetto In/dipendenti'.

Awareness campaign against risky behaviour. Young people are in fact called to propose messages and multimedia/artistic products to raise awareness and effectively combat risky behaviour.

Comune di Alessandria - Assessorato Politiche giovanili

Publisher: Finanziato dal Bando 2019 di Regione Piemonte

"Progetti di prevenzione delle nuove dipendenze".

Character: Partecipante, terzo classificato



CONFERENCES AND SEMINARS

WORKSHOPS
17/06/2024

The Cortical Motor System Revisited: from cellular and circuit mechanism to translational perspectives

, Ospedale Policlinico San Martino, Auditorium centro congressi

Speaker Dr. Luca Bonini

Curatorship: Dr.ssa Elisabetta Rovini

Character: Partecipante

WORKSHOPS
13/05/2024

Clonal Hematopoiesis: biological features and clinical

, Ospedale Policlinico San Martino, Auditorium centro congressi

Speaker Dr. Luca Malvati

Curatorship: Dr.ssa Elisabetta Rovini

Character: Partecipante

WORKSHOPS

21/12/2023

OFF THE SHELF CD19-CAR-T CELLS GENERATED FROM UMBILICAL CORD BLOOD DISPLAY SUPERIOR ANTI-TUMOR

, Ospedale

Policlinico San Martino

Curatorship: Dott.ssa Elisabetta Rovini

Character: DISCENTE

WORKSHOPS

04/12/2023

FOSTERING ENDOGENOUS REPAIR OF THE CNS IN MULTIPLE

SCLEROSIS: THE CLEMASTINE STORY

, Ospedale Policlinico San

Martino

Curatorship: Dott.ssa Elisabetta Rovini

Character: DISCENTE

CONVENTIONS

27/09/2023

8th ACC Annual Meeting 'NEW TECHNOLOGIES AND STRATEGIES TO FIGHT CANCER'

, Alleanza Contro il Cancro

, Ospedale

Policlinico San Martino

Character: Partecipante

WORKSHOPS

05/06/2023

Neuroengineering solutions to restore neural functions

, Ospedale

Ospedale policlinico San Martino

Speaker Michela Chiappalone, held at the Auditorium Centro

Congressi Pad. 90 Policlinico San Martino Genova.

Curatorship: Dr.ssa Elisabetta Rovini

Character: Spettatore/viewer

WORKSHOPS

08/05/2023

La sinaptopatia infiammatoria in corso di sclerosi multipla

, Ospedale

Ospedale policlinico San Martino

Speaker Diego Centonze, held at the Auditorium Centro Congressi

Pav. 90 Policlinico San Martino Genova.

Curatorship: Dr.ssa Elisabetta Rovini

Character: Spettatore/viewer

WORKSHOPS

17/04/2023

Lung Cancer Stem Cells: the seeds of metastasis and therapy

resistance

, Ospedale

Ospedale policlinico San Martino

Speaker Giulia Bertolini, held at the Auditorium Centro Congressi

Pav. 90 Policlinico San Martino Genova.

Curatorship: Dr.ssa Elisabetta Rovini

Character: Spettatore/viewer

WORKSHOPS

05/04/2023

High-dimensional biology for biomarker discovery and functional

characterization of novel cell subset

, Ospedale

Ospedale policlinico San Martino

Speaker Bob Balderas, held at the Auditorium Centro Congressi

Pad. 90 Policlinico San Martino Genova.

Curatorship: Dr.ssa Elisabetta Rovini

Character: Spettatore/viewer

WORKSHOPS

20/03/2023

Molecular mechanism of vascular aging

, Ospedale

Ospedale policlinico San Martino

Speaker Giovanni Camici, held at the Auditorium Centro Congressi

Pav. 90 Policlinico San Martino Genova.

Curatorship: Dr.ssa Elisabetta Rovini

Character: Spettatore/viewer

WORKSHOPS

13/03/2023

More than rats: aquatic animals in translational research

, Ospedale

Ospedale policlinico San Martino

Speakers Letizia Zullo, held at the Auditorium Centro Congressi

Pad. 90 Policlinico San Martino Genova.

Curatorship: Dr.ssa Elisabetta Rovini

Character: Spettatore/viewer

CONFERENCES

09/03/2023

La malattia residua misurabile (MRD) in oncoematologia

, Torino

Online meeting, scientific committee: Daniela Cilloni, Massimo

Geuna

Character: Spettatore/viewer

CONVENTIONS

02/03/2023

Advances in flow cytometry: from research to the clinic for

personalized medicine

, Università

, Roma, Università Tor Vergata

Online meeting, scientific committee: Claudia Matteucci, Antonella

Minutolo

Character: Spettatore/viewer

WORKSHOPS

Non-invasive (epi)genomics in cancer and non-neoplastic disorders:

27/02/2023

state of the art and future perspectives , Ospedale , Ospedale policlinico San Martino
Speakers Gabriele Zoppoli-Lorenzo Ferrando, held at the Auditorium Centro Congressi Pad. 90 Policlinico San Martino Genoa.
Curatorship: Dr.ssa Elisabetta Rovini
Character: Spettatore/viewer

WORKSHOPS

23/02/2023

Modeling the complex nature of Parkinson's disease: Studies on dyskinesia and sleep-related co-morbidities , Ospedale , Ospedale policlinico San Martino
Speaker Gilberto Fisone, held at the Auditorium Congress Center Pav. 90 San Martino General Hospital Genoa
Character: Spettatore/viewer

WORKSHOPS

06/02/2023

Meccanismi cerebrali di funzioni socio-cognitive , Ospedale , Ospedale policlinico San Martino
Speaker Francesco Papaleo, held at the Auditorium congress center pad 90 San Martino polyclinic hospital Genoa
Character: Spettatore/viewer

CONVENTIONS

2023

3rd annual scientific retreat , Ospedale Policlinico San Martino, EX CBA
Scientific conference held at the San Martino Polyclinic Hospital from 23 to 24 November lasting 16 hours.
Curatorship: Dott.ssa Elisabetta Rovini
Character: discente

WORKSHOPS

10/10/2022

Data management e coordinamento delle sperimentazioni cliniche: ruolo di Study Coordinator e Data Manager , UPO e DIPARTIMENTO ATTIVITÀ INTEGRATE RICERCA INNOVAZIONE (DAIRI) , Dipartimento di Scienze ed Innovazione Tecnologica Alessandria Seminar on Clinical Research, with a presentation of the Clinical Trial Center model developed through the Department of Integrated Research and Innovation Activities (DAIRI), directed by Dr. Antonio Maconi and of the Master's 'Data management and coordination of clinical trials', of which the second edition, to delve deeper into the studies and experience of the figures of the Study Coordinator and Data Manager.
Curatorship: DOTT. ANTONIO MACONI e del MASTER "DATA MANAGEMENT E COORDINAMENTO DELLE SPERIME
Character: Partecipante



TEACHING ACTIVITIES

TEMPORARY JOBS

2024

Universitaria , Unige, laboratori polo Biotech
Attività di supporto alla didattica
Carrying out 24-hour teaching support activities. The activity involved supporting the teacher with seminar tutoring activities.
- Preparation of the reagents that were used by the students to carry out the laboratory activity
- Preparation of workstations
- Illustration of the experimental protocol (ELISA test)
- Support to the teacher during laboratory activities