



Federico Castaldi

● EDUCATION AND TRAINING

31/08/2009 – 09/06/2014 Scalea, Italy

STUDIED IN SCIENTIFIC HIGH SCHOOL, INFORMATICS ADDRESS Liceo Scientifico P. Metastasio

- Math, Physics, Chemistry, Biology, Astronomy
- Literature, Arts, Philosophy and Latin

30/09/2014 – 14/09/2020 Roma, Italy

HUMAN MEDICINE DEGREE University "La Sapienza", University of Rome

30/06/2016 – 30/07/2016 Lodz, Poland

INTERNSHIP Neurosurgery Department of Barlicki Szpital

30/06/2017 – 30/07/2017 Lisbon, Portugal

INTERNSHIP Intensive Care Unit, Hospital de Santa Maria

21/02/2019 – 22/07/2019 Innsbruck, Austria

ERASMUS PROGRAM, EXCHANGE SEMESTER Medizinische Universität Innsbruck

- Famulatur in Neurosurgery Department
- Famulatur in MKG Department
- Famulatur in Gynecology

30/09/2017 – 30/01/2019 Roma, Italy

INTERNSHIP Ospedale Sant'Andrea

Emergency Room

30/09/2019 – 30/08/2020

MEDICINE THESIS Medizinische Universität Innsbruck

Research activity at Pharmacology Departement

30/09/2019 – 19/10/2019

ANIMAL EXPERIMENTATION LICENCE Medizinische Universität Innsbruck

● WORK EXPERIENCE

2011 – 2015 San Nicola Arcella, Italy

LIFE GUARD AT MARINELLA BEACH MARINELLA BEACH

31/10/2016 – 14/09/2020 Rome, Italy

IFMSA VOLUNTEER OF ROMA SANT'ANDREA LC SISM ROMA SANT'ANDREA

- Organizer of international internship campaign for 2017/2018
- Responsible for the budget, human resources and logistics of the Local Committee of SISM
- Administrator of the Local Committee 2018/2019 and 2019/2020

01/07/2021 – 31/08/2021 Rome, Italy

VACCINATION HUB DOCTOR CROCE ROSSA ITALIANA

- Filing up patients anamnesis
- Vaccination procedures

01/11/2020 – 30/09/2022 Innsbruck, Austria

NEUROSCIENCE PHD STUDENT MEDIZINISCHE UNIVERSITÄT INNSBRUCK

01/11/2022 – CURRENT Milan, Italy

RESIDENT IN ANESTHESIA AND INTENSIVE CARE HUMANITAS

01/11/2022 – CURRENT Italy

BLSD TRAINER FREELANCER

- Teaching fundamentals of Basic Life Support
- Trainer for Cardiopulmonary Resuscitation

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

| | UNDERSTANDING | | SPEAKING | | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
| | Listening | Reading | Spoken production | Spoken interaction | |
| ENGLISH | C2 | C2 | C2 | C2 | C2 |
| GERMAN | B1 | B1 | B1 | B1 | A2 |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● ADDITIONAL INFORMATION

ORGANISATIONAL SKILLS

Organisational skills

- Leadership (Administration of the Local Committee of SISM Roma Sant'Andrea)
- Good organizing skills
- Working under pressure in critical situations like those which can arise in an emergency room
- Experimental Pipelines Design

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Good communication skills gained through my experience as Administrator which have required the ability to interact with large groups of people
- Effective contact skills with injured or scared people developed during emergency situations arisen during my watch as lifeguard and my long internship in the emergency room
- Efficient at conveying scientific information via presentations and posters due to my experience in research fields

JOB-RELATED SKILLS

Job-related skills

- Teamwork, strategic thinking and problem solving (administration)
- Stock inventory and record keeping
- Delegation, Public speaking and making presentations (PhD)
- Working with deadlines, allocation of human and economical resources
- Crowd management (Vaccination Hub)

Lab-related skills

- Immunofluorescence protocols
- PCR protocols
- Western blot
- Surgery on live mice
- Rabies tracing techniques
- Implantations in mice brains
- Optogenetics

CERTIFICATIONS

Certifications

Diploma with honour
Graduation with honour
BLSD, Eco Fast, Lifeguard, English C2, ECDL

PUBLICATIONS

[VIP-expressing interneurons in the anterior insular cortex contribute to sensory processing to regulate adaptive behavior](#)

– 2022

[Loss of mGluR5 in D1 Receptor-Expressing Neurons Improves Stress Coping](#) – 2021

[Automatic 2D to 3D localization of histological mouse brain sections in the reference atlas using deep learning](#)

– 2022

[Localization and Registration of 2D Histological Mouse Brain Images in 3D Atlas Space](#) – 2023
