


PERSONAL INFORMATION

Federica Cannistrà



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Sex Female | Date of birth 18/01/1999 | Nationality Italian

POSITION

PhD student in Genetics and Molecular Biology at the University of Rome "La Sapienza"

EDUCATION AND TRAINING

From 2012 to 2017 High school diploma as a chemical expert
Achieved at the I.T.T E. Majorana, Milazzo (ME), with vote 94/100

From 2017 to 2020 Bachelor's degree in Biotechnology, L-2
Achieved at the University of Messina on 24/07/2020, with vote 110/110L
Supervisor: Prof. Silvana Briuglia. Thesis title: Next Generation Sequencing technology in hereditary-familial breast cancer syndrome.

From 2020 to 2022 Master's degree in Genetics and Molecular Biology, LM-6
Achieved at the University of Rome "La Sapienza" on 20/07/2022, with vote 110/110L
Supervisor: Prof. Fulvio Cruciani. Thesis title: Discrimination power of rapidly mutating microsatellites of the Y chromosome in populations of the African continent

From November 2022 – on going PhD in Genetics and Molecular Biology
At University of Rome "La Sapienza"
Supervisor: Prof. Isabella Saggio. Project: Role of nuclear envelope in physiological and pathological conditions

CERTIFICATE

16/11/2019 IT operator of web resources

11/7/2020 ECDL IT-Security – Specialized level

20/07/2021 BI Level B2 Certificate in ESOL International (B2 CEFR)

08/02/23 Theoretical training course on experimentation and animal welfare: Mouse

Certificate of training 1st edition of the Training course (D.M 5 agosto 2021) accredited by the Italian Ministry of Health 0024495-12/10/2022-DGSAF-MDS-P for obtaining the credits required to perform functions a), b), c), d) e the roles of DV e RCW (d.lgs 26/2014)

28/2/23 Practical training course on experimentation and animal welfare: Mouse

Certificate of training 1st edition of the Training course (D.M 5 agosto 2021) accredited by the Italian Ministry of Health 0024495-12/10/2022-DGSAF-MDS-P for obtaining the credits required to perform functions a), b), c), d) e the roles of DV e RCW (d.lgs 26/2014)

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Level B2 Certificate in ESOL International (B2 CEFR)					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ▪ Good communication skills gained through my university studies and thanks to the activity in the laboratory

Organisational / managerial skills ▪ Good ability to follow projects and to comply with the work's plane
 ▪ Good organizational and self-management skills

Job-related skills Good knowledge of molecular biology, molecular biochemistry and microbiology techniques:

- Lentivectors production
- Lentivectors – mediated transduction
- Primary and immortalized cell cultures
- Cell transfection
- Bacterial transformation,
- Real Time PCR
- RNA extraction from cells and tissues and retrotranscription
- Plasmid DNA purification
- Genomic DNA isolation from cells and tissues
- Mouse manipulation, Genotyping by PCR analysis, Tissue collection for histology analysis and RNA extraction

Digital skills

SELF-ASSESSMENT

Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

ECDL IT-Security Certification

- Good use of Microsoft Office

Driving licence B

ADDITIONAL INFORMATION

- Projects**
- Three-year degree thesis: Next Generation Sequencing technology in hereditary-familial breast cancer syndrome, carried out at the Medical Genetics laboratory of the "G. Martino" of Messina.
 - Master's degree thesis: Discrimination power of rapidly mutating microsatellites of the Y chromosome in populations of the African continent, carried out at the biology section of the R.I.S of Rome.

Seminars

- 25/11/2022 [Advanced in understanding genome instability using the CRISPR-Cas9 system](#)
Speaker: Emily Tassone, Giunta Lab, University of Rome Sapienza, Rome
- 20/1/2023 [Advances in understanding genome instability during S-Phase](#)
Speaker: Valeria Naim, Gustave Roussy, Paris, France
- 17/2/23 [Advances in understanding genome instability using next and third generation sequencing](#)
Speaker: Danilo Licastro, Area Science Park, Trieste, Italy
- 3/3/23 [Advances in understanding chromosome evolution](#)
Speaker: Ivano D'Amelio, University of Konstanz, Germany
- 17/3/23 [Advances in understanding the relationship between DNA damage and metabolism](#)
Speaker: Margherita Bignami e Francesca Marcon, ISS, Rome