

## PERSONAL INFORMATION


**ILARIA CELA**

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Sex Female | Date of birth 08/04/1994 | Nationality Italian

## WORK EXPERIENCE

1<sup>st</sup> November 2018 – *current*

**PhD student at University of Chieti – Ce.S.I.- Me.T. – Chieti**

Laboratory of Biochemistry and Molecular Biology – Ce.S.I.- Me.T. - Department of Medical, Oral and Biotechnology Sciences – Via Luigi Polacchi, 66100, Chieti (CH) – Italy

Currently, I am working in the laboratory of Professor Luca Federici on a project whose aim is assessing the role and functions of the protein Nucleostemin in hematopoietic malignancies.

1<sup>st</sup> October 2017 – 1<sup>st</sup> October 2018

**MSc Research Internship at University of Udine – Udine**

Laboratory of Molecular Biology and DNA repair – Department of Medical Area (DAME) – Piazzale Kolbe, 4, 33100, Udine - Italy

I have worked in the laboratory of Professor Gianluca Tell. My project was focused on the investigation of a novel, non-canonical role of the DNA repair protein APE1 in the regulation of gene expression.

June 2015 – July 2016

**BSc Research Internship at University of Udine – Udine**

University of Udine – Via delle Scienze, 206, 33100, Udine - Italy

I have worked in the laboratory of Doctor Carlo Vascotto and the aim of my project was to investigate functions of protein APE1 within mitochondria and the mechanism of its import through the study of its mitochondrial interactome.

## EDUCATION AND TRAINING

2016 – 2018  
Graduation on 2<sup>nd</sup> October 2018

### Master of Science in Molecular Biotechnologies (LM-9) – 110/110 cum laude

EQF 7

University of Udine – Via delle Scienze, 206, 33100, Udine - Italy

- Molecular and Cellular Biology, Epigenomics and applied Epigenetics, Functional Genomics and Bioinformatics, Experimental Proteomics, Food and environment interaction with host.

**Thesis:** “Role of the protein APE1 in the regulation of Dicer1 gene expression.”

**University tutor:** Gianluca Tell, Professor of Molecular Biology; Giulia Antoniali, Post-doc; Giovanna Mangiapane, PhD student.

2013 – 2016  
Graduation on 29<sup>th</sup> July 2016

### Bachelor of Science in Biotechnologies (L-2) – 110/110 cum laude

EQF 6

University of Udine – Via delle Scienze, 206, 33100, Udine – Italy

- Biochemistry, Molecular Biology, Cellular Biology, Chemistry and Physics, Genetics and Bioinformatics, Immunology and Pathology, Mathematics and Statistics, Microbiology, Pharmacology.

**Thesis:** “Analysis of the mitochondrial interactome of the protein APE1.”

**University tutor:** Carlo Vascotto, Assistant professor in Molecular Biology; Arianna Barchiesi, PhD student.

2008 – 2013

### Scientific High school diploma

EQF 4

Liceo Scientifico statale “G. Galilei” – Via Perugia, 8, 30027, San Donà di Piave (VE), Italia

## PERSONAL SKILLS

### Job-related skills

Thanks to my training experiences carried out at DAME (essential to obtain the Master of Science in Molecular Biotechnologies and the Bachelor of Science in Biotechnologies degrees), I have acquired knowledge in the following fields:

#### Molecular Biology:

Genomic and Plasmidic DNA extraction, total RNA extraction, Enzymatic digestion, Gene cloning techniques, PCR, RT-PCR, Real time PCR, Chromatin Immunoprecipitation (ChIP), Bacterial culture.

#### Biochemistry:

Bacterial recombinant protein expression, Preparation of cellular total, cytoplasmic, nuclear and mitochondrial extracts, SDS-PAGE, Western blot analysis, Protein Immunoprecipitation.

#### Cellular Biology:

Sterile culture of HeLa and liver JHH-6 cell lines, Stable and transient transfection and silencing, Luciferase reporter assay.

#### Bioinformatics:

Functional Genomic analysis and annotation, Primer design; R packages, Cytoscape, MEME-Suite tool, GQRS mapper, LASAGNA-Search tool, BLAST.

## Communication and Organisational skills

I am a very sociable and friendly person and that's why I am very good at working in groups. Thanks to my training experiences:

- I have learnt to work in a team of PI, Post-doctoral fellows and PhD students;
- I am very good at public speaking and I can present data and critically interpret them;
- I can plan and carry out experiments by myself;
- I am very good at organizing laboratory and work space.

## Computer skills

- Excellent knowledge of Microsoft Office package and Internet Browsers;
- Excellent knowledge of Microsoft OS, Good knowledge of Ubuntu and MacOS.

## Driving licence

- B

## Mother tongue(s)

Italian

## Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Excellent	Excellent	Excellent	Excellent	Excellent

## Date

Alba Adriatica, 27/04/2020

## Signature

