

PERSONAL INFORMATION

La Banca Veronica



Sex Female | Nationality Italy | Date of Birth: 9th October 1995

EDUCATION and RESEARCH EXPERIENCE

01/11/2021-in progress

PhD student in Biochemistry and Molecular Biology
University of Rome "Tor Vergata" (Rome, Italy)
Laboratory of Biochemistry and Molecular Biology
Supervisor: Dr Angelo Peschiaroli
Project title: Exploring the role of ABCC1 in squamous homeostasis

June 2021-November 2021

Postgraduate Fellowship at CNR-IFT Institute (Rome, Italy)
Laboratory of Biochemistry and Molecular Biology
Tutor: Dr Angelo Peschiaroli

October 2017-July 2020

Master's degree in Biology
Marks 110/110 cum laude
University of Molise (Italy)
Supervisor: Prof. Giovanni Musci
Thesis title: Bovine lactoferrin, in its native and holo form, induces neuronal differentiation by modulating iron homeostasis and the cytokine interleukin-6.

October 2019-December 2019

Internship at Fondazione Santa Lucia IRCCS (Rome, Italy)
Laboratory of Neuroembriology
Tutor: Prof. Claudio Sette

October 2014-July 2017

Bachelor's degree in Biology
Marks 110/110 cum laude
University of Molise (Italy)

TECHNICAL SKILLS

DNA purification, preparation and electrophoresis, molecular cloning.
PCR, chromatin immunoprecipitation.
RNA purification, preparation and electrophoresis, RT-PCR, qPCR.
Protein electrophoresis and western blotting.
Human tumour and primary cell culture work; 3D skin organotypic model.
RNAi and gene transfection *in vitro*.
Preparation and analysis of samples by FACS; immunostaining of cells and tissues.
RNA sequencing processed data and metabolomic analyses.
Use of murine models for inflammation studies and squamous cell carcinogenesis research.

PUBLICATIONS

1. **La Banca V**, De Domenico S, Nicolai S, Gatti V, Scalera S, Maugeri M, Mauriello A, Montanaro M, Pahnke J, Candi E, D'Amico S, Peschiaroli A. ABCC1 Is a Δ Np63 Target Gene Overexpressed in Squamous Cell Carcinoma. *Int J Mol Sci.* 2024 Aug 10;25(16):8741.
2. The long non-coding RNA NEAT1 is a Δ Np63 target gene modulating epidermal differentiation. Fierro C, Gatti V, La Banca V, De Domenico S, Scalera S, Corleone G, Fanciulli M, De Nicola F, Mauriello A, Montanaro M, Calin GA, Melino G, Peschiaroli A. *NAT COMMUN* 2023 Jun; 14: 3795.
3. Δ Np63-Senataxin circuit controls keratinocyte differentiation by promoting the transcriptional termination of epidermal genes. Gatti V, Fierro C, Compagnone M, La Banca V, Mauriello A, Montanaro M, Scalera S, De Nicola F, Candi E, Ricci F, Fania L, Melino G, Peschiaroli A *P NATL ACAD SCI USA* 2022 Mar; 119: e2104718119