

Alessandro Verrecchia



Research Assistant

PERSONAL INFO

Date of birth: January 22nd 1963

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research.ieo.it/alessandro-verrecchia

SKILLS AND TECHNIQUES

- Gene Cloning
Gibson Assembly, Gateway Cloning ...
- Site Directed Mutagenesis
- Retro- and lentiviral vectors infections
- Genome wide shRNAs screening
- CRISPR/Cas9 technology:
Gene knockout, tagging, mutation
CRISPRa, CRISPRi
- shRNAs libraries for Illumina sequencing
- RNA expression analysis
- Quantitative PCR
- ChIP
- Cell culture techniques
- Basic FACS analysis
- Cell sorting
- Western Blot analysis
- Lab management
- Specific software skills:
Evernote, FileMakerPro - Lab Management
SnapGene, Geneious – Molecular Biology

I obtained a Master's Degree in Pharmacy in 1988 and a Postgraduate Qualification in Experimental Endocrinology in 1991 from University of Milano (Italy)

I started my career as a research technician at DiBit, San Raffaele Hospital, in Claudio Bordignon's laboratory of Gene Therapy, moving later to the Telethon Institute of Gene Therapy (TIGET) where I continued working on gene transfer in human and mouse cells using retro and lentiviral vectors.

In 2014 I joined Bruno Amati's laboratory at the European Institute of Oncology (IEO), where I strengthened my skills in molecular and cellular biology techniques. In particular I am the lab reference for designing and implementing CRISPR-Cas9-based technology.

During the SARS-CoV-2 pandemic I was also involved in the molecular analysis of nasopharyngeal swab specimen using Microlab STARlet Liquid Handler (Hamilton), King Fisher (ThermoFisher) automation for RNA extraction and specific RT-PCR kit

CURRENT POSITION

From 2004 Research Technician / Research Assistant,
Laboratory of Dr. Bruno Amati,
European Institute of Oncology, Milan, Italy

ACADEMIC QUALIFICATIONS

1991 **Post-graduated in Experimental Endocrinology,**
Facoltà di Farmacia, Università Statale di Milano, Italy

1988 **Graduated in Pharmacy,**
Facoltà di Farmacia, Università Statale di Milano, Italy

PROFESSIONAL AND RESEARCH EXPERIENCES

2002-2003 **Molmed spa** (Biotech company)
San Raffaele Hospital, Milan, Italy
Research Technician

1999-2002 **Genera spa** (Biotech company)
San Raffaele Hospital, Milan, Italy
Research Technician

1996-1999 **T.I.G.E.T** (Telethon Institute for Gene Therapy)
San Raffaele Hospital, Milan, Italy
Research Technician

1992-1996 **Experimental Hematology and Gene Therapy Lab**
San Raffaele Hospital, Milan, Italy
Fellow

1989-1992 **Experimental Toxicology Lab**
Istituto Mario Negri, Milan, Italy
Fellow

SELECTED COURSES AND MEETINGS

5-7th February 2020 **Introduction to Python programming**
Course held by **CINECA, Milan**

3-4th May 2016 **Revolutionary Science Day**
“CRISPR connects your next discovery”
Geneva, Switzerland

14-17th November 2012 **Targeted Genome Editing Using Zinc Finger Nucleases**
EMBL, Advanced Training Center
Heidelberg, Germany