

**EUROPEAN  
CURRICULUM VITAE  
FORMAT**



**PERSONAL INFORMATION**

Name **ABATE MARIA LORENA**  
Address Via Sacra San Michele n. 95, 10093 Collegno (TO)  
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Nationality Italian  
Date of birth 18.02.1959

**WORK EXPERIENCE**

- Name and address of employer Dec 2000 - present  
**UNIVERSITY OF TURIN - Department of Medical Sciences**  
"Città della Salute e della Scienza di Torino" Hospital  
Molecular Hepatology and Gastroenterology Laboratory - Via San Massimo 24 - 10123 Torino
- Type of business or sector Research / Healthcare
- Occupation or position held Research Technician / Biologist
- Main activities and responsibilities Molecular diagnostic of hepatitis viruses (hepatitis B virus, HBV and hepatitis C virus, HCV) on serum and tissue samples (real-time PCR, genotyping, viral polymorphisms). Participation to research project on HCV infection and hepatic insulin-resistance, HBV occult infection, gene expression and response to HCV antiviral therapy, early markers of hepatocellular carcinoma. Quality Control Manager (ISO 9001:2008) since 2011.
  
- Name and address of employer May 1999 - Nov 2000  
**NEW YORK BLOOD CENTER - New York, NY**  
Lindsay F. Kimball Research Institute – Stem Cell Laboratory.
- Type of business or sector Biomedical Research
- Occupation or position held Assistant Laboratory Member
- Main activities and responsibilities Gene expression study on purified stem cells from cord blood. Gene expression fingerprinting, real-time PCR.
  
- Name and address of employer Oct 1994 – Nov 1998  
**INNOVIR LABORATORIES Inc., New York, NY**
- Type of business or sector Biotechnology company focused on the development of RNA enzyme-based technologies for therapeutic and genomic research applications.
- Occupation or position held Research Scientist / Group Leader
- Main activities and responsibilities Cell culture characterization of vector expressed catalytic RNAs directed to Hepatitis B (HBV) mRNAs. Development of PCR-based quantitative assays for detection of HBV DNA and RNA in blood and cell culture specimen. In-vitro studies of chemically-synthesized ribozymes directed against different target RNAs (bovine viral diarrhea virus (BVDV) and hepatitis C virus (HCV)).

- Name and address of employer Mar 1994 – Sept 1994  
**INNOVIR LABORATORIES Inc., New York, NY**
- Occupation or position held Visiting Scientist
- Main activities and responsibilities Development of plasmid vectors carrying polymerase III promoter to express short catalytic RNAs (External Guide Sequences -EGSs) to direct cleavage of HBV RNA.
  
- Name and address of employer Sept 1990 – Feb 1994  
**MOLINETTE HOSPITAL, Turin, Italy.**  
Department of Gastroenterology, Hepatology Laboratory
- Type of business or sector Biomedical Reserach
- Occupation or position held Research Fellow
- Main activities and responsibilities Molecular characterization of HBV “e” minus mutants in correlation to the outcome of HBV chronic infection. Development of PCR-based detection of HCV RNA in clinical samples to study asymptomatic carriers and chronically infected patients undergoing alpha-interferon treatment. Sequencing of the HCV RNA hyper-variable region 1 (HVR-1) and correlation to viral persistence and liver disease. Validation of PCR-based protocol for quantitative analysis of HCV RNA in biological specimen.
  
- Name and address of employer Jul 1987- Jun 1990  
**UNIVERSITY OF TURIN, Turin, Italy**  
Department of Biomedical Sciences and Human Oncology
- Type of business or sector University
- Occupation or position held Research Fellow
- Main activities and responsibilities Characterization of *c-abl* proteins in chronic myelogenous leukaemia and in acute lymphoblastic leukaemia. Molecular characterization of *c-met* oncogene in human gastric carcinoma cell line.

## EDUCATION AND TRAINING

Apr 1990  
MEMBERSHIP OF ITALIAN BIOLOGISTS NATIONAL REGISTER  
ID # 33752

Mar 1987- Mar 1988  
**MOLINETTE HOSPITAL** , Turin, Italy  
Department of Haematology - Laboratory of Haematology

Post degree Training  
Cytochemical and immuno-fluorescence techniques for differential diagnosis of myelogenous and lymphoblastic leukaemias.

July 1986  
**UNIVERSITY OF TURIN**, Turin, Italy  
Mathematics , Physics and Natural Sciences Faculty

Biological Sciences Degree

## MAJOUR UPDATE COURSES

### 2014 - A.I.R.C. Investigator Grant - Erogazioni 2014

Hypoxia and lipo-toxicity in Non-Alcoholic-Fatty-Liver disease progression and hepatocellular carcinoma development

Resp. Scientifico: Prof. Maurizio PAROLA

### 2014 - Università degli Studi di Torino, Ricerca Locale - 2014

Analysis of circulating microRNAs as potential biomarkers of hepatocellular carcinoma

Resp. Scientifico: Prof.ssa Antonina SMEDILE

### 2015 – Programma Europeo Horizon 2020 – Health

Elucidating Pathways of Steatohepatitis (EPOS)

Resp. Scientifico: Prof.ssa Elisabetta BUGIANESI

### 2015 - Fondazione CRT – Erogazioni 2015

Creazione della BioBanca - IBD per la ricerca biomedica sulle malattie infiammatorie croniche intestinali (Inflammatory Bowel Diseases, IBD).

Resp. Scientifico: Prof.ssa Antonina SMEDILE

### 2015 - Università degli Studi di Torino, Ricerca Locale - 2015

Analysis of genotypic resistance to direct-acting antiviral drugs for chronic hepatitis C in real-life clinical setting.

Responsabile scientifico: Maria Lorena ABATE

### 2016 - Università degli Studi di Torino, Ricerca Locale - 2016

Analysis of hepatitis c virus persistence in liver explants of patients who received direct-acting antiviral therapy

Responsabile scientifico: Maria Lorena ABATE

## SKILLS AND COMPETENCES

### MOTHER TONGUE

Italian

### OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH	FRENCH
excellent	scholastic
fluent	scholastic
fluent	

### TECHNICAL SKILLS AND COMPETENCES

MS Office (Word, Excel, Power Point).

### SOCIAL SKILLS AND COMPETENCES

### DRIVING LICENCE(S)

Driving license B

• Torino 19/04/2019

Firma  
Maria Lorena Abate

Autorizzo il trattamento dei dati personali ai sensi della legge 196/03.

