



# Nicola Traverso

Associate professor

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## *Education and training*

**1989**

### **Degree in Medical Sciences**

110/110 cum laude

University of Genova Italy - Genova - IT

**1994**

### **PhD in Experimental and Molecular Pathology**

University of Turin Italy - Turin - IT

**2000**

### **Specialization in Clinical Pathology**

50/50 cum laude

University of Genova Italy - Genova - IT

## *Academic experience*

**2010 - ONGOING**

### **Associate Professor**

University of Genova Italy - Genova - IT

Teaching Research Organization

**2000 - 2010**

### **Researcher**

University of Genova Italy - Genova - IT

Research Teaching

## *Language skills*

### **English**

Proficient

Certificate in

Advanced English

(Cambridge

University) Grade

B

### **French**

Independent

### **Spanish**

Basic

## ***Teaching activity***

### Degree courses

#### Clinical pathology courses

- in the Integrated Course of Pathology and General Physiopathology of the Course Degree in Medicine and Surgery (from AY 2003-04 to AY 2012-13)
- in the Integrated Course of Medicine 1 (5th year) of the Degree Course in Medicine and Surgery (from AY 2013-2014 to date)
- in the Integrated Course of Laboratory Diagnostics of the Degree Course in Dentistry and Dental Prosthetics (from AY 2006-07 to AY 2010-11).
- in the Integrated Course of Medical Sciences 1 of the Degree Course in Dentistry (from AY 2011-2012 to date)
- in the Integrated Course of Clinical Pathology and Cytopathology of the Diploma University for Health Technician of Biomedical Laboratory (AA 2001-02)
- in the Integrated Course of Clinical Pathology and Immunohematology of Degree Course in Biomedical Laboratory Techniques (from 2002 to still today).
- in the Degree Course in Prevention Techniques in the environment and in workplaces (from AY 2017-18)
- in the Degree Course in Cardiocirculatory physiopathology techniques and cardiovascular perfusion (from the 2017-2018 academic year)
- in the Degree Course in Podiatry (from the 2018-2019 academic year)

#### General/Basic pathology courses

- in the Integrated Course of Pathology and General Physiopathology and Pathology Clinic of the Degree Course in Medicine and Surgery (from AY 2006-07 to AY 2012-13).
- Teaching of general physiopathology in the Degree Course in Medicine and Surgery (from AY 2013-14 to date),
- in the Integrated Course 'The laboratory for the trainee' of Degree Course in Medicine and Surgery (from AY 2003-04 to AY 2012-13)
- in the Integrated Course of Pathology and General Physiopathology of University Diploma for Nurses (AY 2000-01 and 2001-02) and subsequently in the Integrated Course of General Pathology of the Course Degree in Nursing (from 2002 to date).
- in the Integrated Course of General Pathology of the University Diploma for Health Technician of Medical Radiology (AY 2000-01 and 2001-02) and subsequently in the Degree Course in Radiology Techniques Medical for Images and Radiotherapy (from 2002 to the 2019-2020 academic year).
- in the Integrated Course of General Pathology and Pharmacology of the Course of Degree in Physiotherapy (from AY 2005-06 to AY 2008-09).

- in the Integrated Course of General Pathology and Pharmacology of the Course of Degree in Speech Therapy (from AY 2005-06 to AY 2008-09).
- in the course of general physiopathology in the degree course in techniques of Biomedical Laboratory from AA 2020-2021

Medical Specialization courses (various period of time)

Clinical Pathology in the Schools of Specialization in Cardiology, in Hygiene ,

in Endocrinology , in Otolaryngology , in Forensic Medicine

General Pathology in the Specialization School in Clinical Pathology

Molecular Pathology in the School of Specialization in Oncology .

General Pathology in the Specialization School in Diseases of the Respiratory System

General Pathology in the Specialization School in Orthopedics and Traumatology

General Pathology in the Specialization School in Gastroenterology

General Pathology in the Specialization School in Emergency Medicine

General Pathology in the Specialization School in Nephrology

Research PhD

Theoretical and practical teaching activity and tutoring in the PhD course of Research in Biology and Pathology of Aging (from AA 1999-2000 to date)

## ***Postgraduate research and teaching activity***

### **Supervision of PhD students, residents and post-doctoral fellows**

Didactic and research activity in the high training

Supervision of PhD students, postgraduates, postdocs

Tutoring for postgraduate students in clinical pathology, PhD students and postdocs

Participation in the teaching staff within research doctorates accredited by the Ministry

Participation in the teaching staff of the Doctorate in Experimental Medicine

## ***Research interests***

- Effect of ethanol intoxication on the secretion of lipoproteins from the liver
- Pathophysiology of aging, diabetes mellitus and its complications
- Non-enzymatic post-translational modifications of proteins.
- Measurement of oxidative stress markers in different experimental conditions.
- Redox imbalance in neoplastic cell biology and drug resistance antineoplastics

## **Grants**

1997 - 1998

**PRIN 1997 protocollo 9706247467005**

Ministero - IT

Participant

1999 - 2000

**PRIN 1999 protocollo 9906241379008**

Ministero - IT

Participant

2001 - 2002

**Validation of glycative and oxidative damage parameters as markers of aging in animal models of aging**

Ministero - IT

PRIN 2001 protocollo 2001064293005 - Participant - Participant

2003 - 2004

**Influence of the modulation of aging (caloric restriction PISA model of pharmacological and pathological influence on aging)**

Ministero - IT

PRIN 2003 protocollo 2003067599003 - Participant - Participant

2004 - 2005

**Molecular mechanisms of induced apoptosis from the alteration of the cellular redox balance.**

Ministero - IT

PRIN 2004 protocollo 2004063943001 - Participant - Participant

2006 - 2007

**PKC redox signaling mediated in the progression of preneoplastic and neoplastic hepatic lesions.**

Ministero - IT

PRIN 2006 protocollo 2006065711002 - Participant - Participant

2008 - 2009

**Redox-modulated signaling pathways implied in the induction of apoptosis and senescence in hepatocarcinoma**  
**Implied redox-modulated signaling pathways in the induction of apoptosis and senescence in hepatocarcinoma**

Ministero - IT

PRIN 2008 protocollo 2008N9N9KL002 - Participant - Participant

2011

## **Susceptibility of neuroblastoma lines to action combined of glutathione depleting agents and chemotherapy drugs**

University of Genova - IT

Progetto ateneo 2011 - Scientific Responsible Person - Participant

### ***Editorial activity***

Editorial activity

Review of articles proposed for publication in the following scientific magazines:

FEBS Letters; Cellular and Molecular Life Sciences; Biochemistry et Biophysica

Acta; Biochemical Journal; Acta Chemical Clinic; Alcohol and Alcoholism; Nutrition, metabolism and cardiovascular diseases, Food and chemical toxicology, The Journal of Diabetes and Its Complications, Free Radical Biology and Medicine.

### ***Assignments abroad***

Assignments abroad

Period of study and research at Brunel University of West London (1991) during my PhD