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Federica Bortolotti was born in Trento (Italy) on August 10., 1973.

EDUCATION

July 1998 **Degree in Medicine with full marks and honours**, awarded by the University of Verona, Verona, Italy.

October 2002 **Post-doctoral degree in Forensic Medicine with full marks and honours**, awarded by the University of Verona. Final dissertation on “First application of ESEM to the diagnosis of drowning. Identification of diatoms in the sternal bone marrow”.

April 2006 **Diploma of PhD in Forensic Sciences** awarded by the University of Verona. Final dissertation on “CDT, a new marker of alcohol abuse: new analytical advancements and a critical review”.

CAREER PATH

July 2006-June 2007 **Postdoctoral fellow in Forensic Medicine and Sciences** at the Department of Medicine and Public Health, Unit of Forensic Medicine, University of Verona.

October 2007-December 2014 **Assistant Professor** at the Department of Public Health and Community Medicine, Unit of Forensic Medicine, University of Verona.

From December 2014 **Associate Professor of Forensic Medicine** at the Dept. of Diagnostics and Public Health, University of Verona

TEACHING ACTIVITY

ITALIAN UNIVERSITIES

Academic years 2011-2012 2012-2013 2013-2014 2014-2015m 2015-2016 2016-2017
2017-2018 2018-2019 2019-2020 2020-2021

Lecturer

- in the course of Legal Medicine in the undergraduate program “*Degree in Nursing*” at University of Verona, School of Medicine, Verona, Italy.
- in the course of Legal Medicine in the undergraduate program “*Degree in Health rehabilitation*” at University of Verona, School of Medicine, Verona, Italy.

Assistant Lecturer

-in the course of Legal Medicine in the “*Combined Bachelor's + Master's degree in Medicine and Surgery*” at University of Verona, School of Medicine, Verona, Italy.

Thesis Supervisor (n=45)

- Graduation theses
- Specialization theses
- Doctoral Theses

NON-ITALIAN UNIVERSITIES

Spring Trimester 2012, Summer 2015 Graduate Trimester, Spring Trimester 2018
Adjunct Faculty Member with Prof. Tagliaro teaching the course “*Forensic applications of capillary electrophoresis*” in the graduate program “*Forensic Science*”, Department of Forensic Science, University of New Haven (UNH), New Haven, CT, USA.

Winter trimester 2006, Spring trimester 2007, Fall trimester 2008, Spring Trimester 2010, instructor in the course on “*Forensic applications of capillary electrophoresis*”, in the graduate program in “*Forensic Science*” c/o Department of Forensic Science, University of New Haven (UNH), New Haven, CT.

Fall quarters 2000, 2002, 2004 visiting scientist and instructor in the course on “*Forensic applications of capillary electrophoresis*”, in the graduate program in “*Forensic Science*” c/o Department of Justice Sciences, University of Alabama at Birmingham (UAB), Birmingham, AL.

Fall quarter 2003, visiting scientist and instructor in the course on “*Scientific writing*”, in the graduate program in “*Forensic Science*” c/o Department of Justice Sciences, University of Alabama at Birmingham (UAB), Birmingham, AL

RESEARCH ACTIVITY

The research activity of prof. Bortolotti is focused on different fields of forensic sciences, including:

Forensic pathology: objective diagnosis of drowning; vitreous humour chemistry in timing death;

Forensic biochemistry: markers of alcohol abuse;

Forensic Toxicology: analysis of new psychoactive substances of abuse (GHB); analysis of alternative biological matrices (hair);

Criminalistic: gunshot residue analysis;

New technologies applied to forensic sciences: capillary electrophoresis, HPLC, capillary electrophoresis-mass spectrometry.

On these topics Prof. Bortolotti published original scientific articles and participated to research projects funded by public institutions, as subsequently specified.

Scientific papers

- 81 international publications (books, patents, conference proceedings and scientific journal publications)
- Overall H-index: 21; Number of citations: 1367 (Source: Scopus)

Research Projects

Project	Coordinator	Funding Institution	Start date	Duration
NPS Tox	F. Tagliaro	Antidrug Policies Department, Rome, Italy	28/09/2012	24
Safe Drive	F. Tagliaro	Antidrug Policies Department, Rome, Italy	28/09/2012	24
Futuro in Ricerca 2012 (#RBFR12LD0W): Development of new nanotechnologies based on Molecularly Imprinted Polymers (MIPs) coupled to microseparation techniques and to high resolution mass spectrometry for the accurate diagnosis of abuse/dependence new psychotropic substances (Smart Drugs) and anabolic steroids.	National coordinator : C. Pomara Local coordinator F. Bortolotti	MIUR	21/03/2013	48
Smart Search 2	Prof. Franco Tagliaro - University of Verona	Antidrug Policies Department, Rome, Italy	28/09/2012	24
Experimental study on rapid drug	Prof.	Antidrug Policies	03/05/2010	12

testing systems	Franco Tagliaro - University of Verona	Department, Rome, Italy		
Research of Smart Drugs in legal products by using High Resolution Mass Spectrometry - Smart Search 1	Prof. Franco Tagliaro - University of Verona	Antidrug Policies Department, Rome, Italy	20/03/2010	24
Creation of a histopathological preparation laboratory for morphological investigations in optical and electron microscopy	Prof. Franco Tagliaro - University of Verona	Glaxo SmithKline Verona	01/10/2010	24
New forensic toxicological technologies and methodologies applied to the study of the association between road traffic accidents and alcoholic use/abuse patterns in the veronese young people	Prof. Franco Tagliaro - University of Verona	Fondazione Cariverona	01/05/2009	24
Alcohol abuse: new genotypic, phenotypic and metabolic markers of predisposition and addiction and their diagnostic application in clinical and forensic environments (Prot. PRIN # 2005064329)	Prof. Franco Tagliaro - University of Verona	Italian Ministry of University	30/01/2006	24
New markers and new technologies for the objective identification of alcohol abuse in forensic and clinical environments (Prot. PRIN # 2003060354)	Prof. Franco Tagliaro - University of Verona	Italian Ministry of University	20/11/2003	24
New applications of capillary electrophoresis to forensic medicine and science (Prot. PRIN # 2001065132)	Prof. Franco Tagliaro - University of Verona	Italian Ministry of University	12/12/2001	24
Projects funded by University of Verona (ex 60%) YEARS 2008, 2009, 2010, 2011 e 2012	Dr. Bortolotti - University of Verona	University of Verona		