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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 veronise 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		