



Europass Curriculum Vitae

Personal information

First name/ Surname **Maria Mazza**
Address Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta (IZSPLV), Via Bologna 148, 10154, Torino, Italy
Telephone +39 011 2686282
Fax +39 011 2686322
E-mail maria.mazza@izsto.it
Nationality Italian
Date of birth 25th July 1964
Gender F

Current qualifications **Biologist at the Genetics and Immunobiochemistry Laboratory of IZSPLV**

Work experience

November 2003 to present date
Biologist manager at the National Reference Laboratory for Transmissible Spongiform Encephalopathies (CEA) – IZSPLV.

Participation to evaluation, application and standardization of diagnostic screening tests and confirmatory methods, as required by the Regulation (EC) 999/2001 for the prevention, control and eradication of transmissible spongiform encephalopathies.

Trainer and technical supporter of the staff within the Italian laboratories on the rapid screening tests applied to the diagnosis of BSE and Scrapie.

Participation in the activity of diagnostic confirmation and molecular characterization of BSE and Scrapie cases identified by the network of the IIZZSS laboratories.

June 2000 – October 2003

Fellow biologist – CEA

Research activity in a study pilot conducted in the Piedmont region on the acquisition and development of the rapid test "Prionics-Check" in order to operate, in according to the EC guidelines, an active surveillance of BSE in Italy.

December 1993 – October 1997

Researcher - Istituto per la Cerealicoltura (QCE), Rome, Italy

Research activities on the selection and the genetic improvement of wheat.

January 1991 – August 1992

Fellow biologist - different hospitals in Rome and Turin

Training on the different techniques applied for the clinical analyses and prenatal diagnosis.

Education and training

December 1997

Specialization in Genetics Applied (70/70), University "La Sapienza" of Rome, Italy

November 1988

Degree in "Biological Science" (110/110 *cum laude*), University of Messina, Italy

Personal skills and competences	<p>Since 2000 she is working in the field of analytical techniques applied to diagnosis and molecular discrimination of BSE and Scrapie strains. Particularly in recent years she has gained experience in new highly sensitive amplification techniques for an <i>ante-mortem</i> diagnosis of the these prion disease.</p> <p>She has expertise in proteomic approaches, mainly by bi-dimensional electrophoresis (2DE), in different field regarding the animal health and food safety (allergens, anabolic treatments in veals).</p> <p>During last years she published scientific articles on these fields.</p> <p>High experience in the laboratory quality management system in according to the standard ISO 17025.</p>
Mother tongue(s)	Italian
Other language(s)	English, fluent
Technical skills and competences	High experience in immunobiochemical techniques applied to the diagnosis and characterization of TSE strains.
Computer skills and competences	<p>Experience in research project management.</p> <p>Operating system – Windows.</p> <p>Microsoft Applications – Word, Excel, Power Point, Internet Explorer.</p>
Additional information	Speaker at national congress on topics related to the diagnosis activity and the research.
References	Author or co-author of 21 scientific articles published on peer-reviewed international journals; of 17 scientific articles published on national journals and more than 90 papers presented as posters in several national and international conferences.

Most recent references

1. Paola Dall'Ara, Barbara Iulini, Laura Botto, Joel Filipe, Piera Anna Martino, maria Domenica Pintore, Paola Gazzuola, Maria Mazza, Massimo Dagrada, Francesco Ingravalle, Cristina Casalone, Paola Palestini, Giorgio Poli (2016). *Diets with different lipid contents do not modify the neuronal membrane lipid raft profile in a scrapie murine model*. Life Sciences, 2016, 144(1): 226–233.
2. Christina D. Orrú, Alessandra Favole, Cristiano Corona, Maria Mazza, Matteo Manca, Bradley R. Groveman, Andrew G. Hughson, Pier Luigi Acutis, Maria Caramelli, Gianluigi Zanusso, Cristina Casalone and Byron Caughey (2015). *Detection and Discrimination of Classical and Atypical L-type Bovine Spongiform Encephalopathy by Real-Time Quaking-Induced Conversion*. Journal of Clinical Microbiology, April 2015; 53(4):1115-1120.
3. Elena Berrone, Cristiano Corona, Maria Mazza, Elena Vallino Costassa, Monica Lo Faro, Francesca Properzi, Chiara Guglielmetti, Cristiana Maurella, Maria Caramelli, Maria Chiara Deregibus, Giovanni Camussi and Cristina Casalone (2015). *Detection of cellular prion protein in exosomes derived from ovine plasma*. Journal of General Virology (2015), 96, 3698–3702.
4. C. Guglielmetti, M. Mazza, M. Pagano, S. Carrella, S. Sciuto, S. Nodari, M. Pezzolato, G.B. Richelmi, E. Baioni, M. Caramelli, P.L. Acutis and E. Bozzetta (2014). *Identification by a proteomic approach of a plasma protein as a possible biomarker of illicit dexamethasone treatment in veal calves*. Food Addit Contam Part A Chem Anal Control Expo Risk Assess. 2014;31(5):833-8. (doi: 10.1080/19440049.2014.900191. Epub 2014 Apr 10).
5. Suardi S., Vimercati C., Casalone C., Gelmetti D., Corona C., Iulini B., Mazza M., Lombardi G., Moda F., Ruggerona M., Campagnani I., Piccoli E., Catania M., Groschup M.H., Balkema-Buschmann A., Caramelli M., Monaco S., Zanusso G., Tagliavini F. (2012). *Infectivity in skeletal muscle of cattle with atypical bovine spongiform encephalopathy*. PLoS One 2012;7(2):e31449. Epub 2012 Feb 21.
6. Acutis PL, Martucci F, D'Angelo A, Peletto S, Colussi S, Maurella C, Porcario C, Iulini B, Mazza M, Dell'atti L, Zuccon F, Corona C, Martinelli N, Casalone C, Caramelli M, Lombardi G. (2012). *Resistance to classical scrapie in experimentally challenged goats carrying mutation K222 of the prion protein gene*. Vet Res. 2012 Feb 1;43(1):8.
7. Mazza M., Guglielmetti C., Pagano M., Sciuto S., Ingravalle F., Martucci F., Caramelli M., Acutis P.L. (2012). *Lysine at position 222 of the goat prion protein inhibits the binding of monoclonal antibody F99/97.6.1*. J. Vet Diagn Invest, Vol. 24, Number 5, September 2012; pp 970-974.
8. Poli G, Corda E, Lucchini B, Puricelli M, Martino PA, Dall'ara P, Villetti G, Bareggi SR, Corona C, Costassa EV, Gazzuola P, Iulini B, Mazza M, Acutis P, Mantegazza P, Casalone C, Imbimbo BP. (2012). *Therapeutic effect of CHF5074, a new γ -secretase modulator, in a mouse model of scrapie*. Prion 2012 Jan 1;6(1).
9. Bozzetta E, Nappi R, Crudeli S, Meloni D, Varello K, Loprevite D, Melis PG, Mazza M, Colussi S, Ingravalle F, Ru G, Nonno R, Ligios C. (2011). *Comparative performance of three TSE rapid tests for surveillance in healthy sheep affected by scrapie*. J Virol Methods. 2011 May;173(2):161-8.
10. M. Mazza, B. Iulini, G. Vaccari, P.L. Acutis, F. Martucci, E. Esposito, S. Peletto, S. Barocci, B. Chiappini, C. Corona, I. Barbieri, M. Caramelli, U. Agrimi, C. Casalone, R. Nonno (2010). *Co-existence of classical scrapie and Nor98 in a sheep from an Italian outbreak*. Res. Vet. Sci., 2010, Jun;88(3):478-85.