

Curriculum Vitae

Name **Barbara Cisterna**
Date and place of birth 09/04/1979, Casorate Primo (PV)
Nationality Italian

Education and training

2008: PhD in Cell Biology, University of Pavia, Italy. Final dissertation: "Nuclear dynamics: from a molecule to a macromolecular domain"
2003: University degree in Biological Sciences, University of Pavia, Italy. Final dissertation: "Transcription and splicing in the testes of mice fed on transgenic soya beans: morphological and immunocytochemical study"

Employment

2018 to present: Temporary Assistant Professor at the Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona, Italy
2012-2017: Post doc fellowship at the Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona, Italy
2009-2011: Post doc fellowship at the Department of Internal Medicine, University of Torino, Italy
2007-2008: Post doc fellowship at the Department of Biology and Biotechnology "L. Spallanzani", University of Pavia, Italy
2003-2004: Post-graduate fellowship at the Department of Internal Medicine, University of Pavia, Italy

National Scientific Qualification: in April 2017 she obtained the qualification for the position of Associate professor of Human Anatomy.

International stages

2008: Fellowship in the frame of bilateral agreement for the exchange program of researchers between CNR and Russian Academy of Sciences (RAS) for 1-month stage at the Laboratory of Structural Biochemistry, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Moscow, Russia
2006-2007: Visiting PhD student for six-months stage at the Centre National de la Recherche Scientifique (CNRS), Unité Propre de Recherche 9021, Institut de Biologie Moléculaire et Cellulaire, Strasbourg, France

Teaching activity

2015-2017: Expert in Human Anatomy for Bachelor's degree in Sport and Exercise Science, University of Verona, Italy
2008-2009: Student supervisor for the courses of Laboratory of Cell Biology, Laboratory of Cellular methodologies, Microscopic and Diagnostic Techniques, University of Pavia, Italy
2007-2009: Expert in Cytology and Histology, Faculty of Mathematics, Physics and Natural Sciences, University of Pavia, Italy
2004-2009: Student supervisor for the course of Cytology and Histology, University of Pavia, Italy

Research experience

The main research interests in cell biology concern the cell nucleus in several physiological and pathological experimental models, such as the skeletal muscle ageing and *in vitro* senescence, hypometabolism and exposure to low ozone concentrations. Special attention is given to mechanisms of synthesis and

maturation of RNA focusing on the organization of the nuclear compartments. Recently, she also investigated the effects of nanoparticle administration evaluating the pathway of internalization and degradation, taking into account their interaction with the cell organelles. Investigations have been performed under physiological, pathological experimental conditions *in vivo* and *in vitro*. She used mainly morphological and immunohistochemical methods at light (brightfield and conventional and confocal fluorescence) and transmission electron microscopy often in association with biochemistry, flow cytometry and nuclear magnetic resonance.

She collaborates as a reviewer with some indexed journals.

Author of 30 scientific articles with an H index=11 (Scopus), 4 book chapters and 29 communications at national and international congresses.

Awards

2014: Prize of the Società Italiana Scienze Microscopiche (SISM) 18th International Microscopy Congress Prague (Czech Republic)

2005: Prize of the Società Italiana Scienze Microscopiche (SISM) 7th Multinational Congress on Microscopy, Portorose (Croatia)