

## CURRENT POSITION

Researcher in Parasitology (contract RTD – tipo B, SSD VET/06) at the Department of Biology and Biotechnology, University of Pavia.

## EDUCATION

2000-2005: Master degree in Biotechnology at the Università degli Studi di Milano, with honors, under supervisor Prof. Claudio Bandi, with the thesis " Manipulation of the genic expression in a host-parasite system through small RNAs, an experimental approach".

2005-2008: Ph.D. In Veterinary Hygiene and Animal Pathology, at the Università degli Studi di Milano under supervisor Prof. Claudio Genchi, with the project "Midichloria: a new genus of the order Rickettsiales associated to Ixodidae ticks".

April 2011: COST training school in Bioinformatics. Uppsala University, Sweden.

## PROFESSIONAL EXPERIENCE

July - December 2007: Research grant 'Ingenio' from the Lombardia region for "Design and validation of a diagnostic Real-time PCR method for equine babesiosis".

January – September 2008: Post-doctoral fellowship in the laboratory of Prof. Luciano Sacchi, University of Pavia, working on the project "Bioinformatic analyses in the research project on microbial diversity associated with the insect vectors of phytoplasmas".

October - November 2008: Project collaborator at Intervet/Schering-Plough Animal Health, with the project "Biomolecular analysis on BVDV strains isolated during studies on the Bovilis BVD vaccine".

November 2008 – October 2012: 4-year Post-doctoral fellowship in the laboratory of Prof. Claudio Bandi, Università degli Studi di Milano on «Investigation on Midichloria spp, a novel bacterial genus of the order Rickettsiales: infectivity for humans and animals, culturing and biological role».

January-February 2009: visiting scientist. Amparo Latorre lab, Cavanilles Institut, Universitat de Valencia

November 2012 – February 2014: 2-year Post-doctoral fellowship in the laboratory of Prof. Claudio Bandi, University of Milano on "Molecular strategies of the inhibition of P-glycoproteins in the hard tick Rhipicephalus sanguineus: next-gen sequencing, gene expression studies, co-treatment with acaricide-inhibitors in cell cultures".

Ottobre 2013 - gennaio 2014: Term contract, as specialized biotechnologist and bioinformatician, at the Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna.

March 2014 – November 2016. Researcher in Parasitology (contract RTD – tipo A, SSD VET/06) at the Department of Biology and Biotechnology, University of Pavia.

## TEACHING ACTIVITY AND OTHER DUTIES

For the academic year 2018-2019

Biomedical parasitology (6 CFU) Laurea magistralis in Experimental and Applied Biology (course held in Italian).

Parasitology and symbiotic associations (6 CFU) Laurea Magistralis in Experimental and Applied Biology (course held in Italian).

Bioinformatics (3 CFU) Master Course in Molecular Biology and Genetics (course held in English).

Parasitology (7 CFU) for the Specialization School in Microbiology.

Member of the Doctorate Program in 'Genetics, molecular and cellular biology'.

Referee for various indexed journals, such as Genome Biology and Evolution, Nature Microbiology, Environmental Microbiology.

#### SCIENTIFIC PRODUCTION

Author of 67 publications on indexed journals, 9 as first author, 17 as corresponding author, 1 first and corresponding author.