

# Federica Valerio

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via Torquato Tasso 10, Castelnovo di Sotto (RE), Italy

**Date of Birth:** 6<sup>th</sup> March 1992

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## EDUCATION

2017 - present	<p><b>PhD Student in Genetics, Molecular and Cellular Biology</b></p> <p>Università degli Studi di Pavia – Department of Biology and Biotechnology (Pavia, Italy)</p> <p>Scientific supervisor: Prof. Ludvik Gomulski</p> <p>Research project: Exploring new methods of insect control</p>
2015 - 2017	<p><b>MSc in <i>Molecular Biology and Genetics</i></b></p> <p>Università degli Studi di Pavia – Department of Biology and Biotechnology (Pavia, Italy)</p> <p>Experimental thesis: “Molecular and bioinformatic characterization of virus-like integrations in the genome of the Asian tiger mosquito, <i>Aedes albopictus</i>.”</p> <p>Final grade: 110/110 cum laude</p>
2011 - 2015	<p><b>BSc in <i>Biological Sciences</i></b></p> <p>Università degli Studi di Parma – Faculty of MM. FF. NN. Sciences (Parma, Italy)</p> <p>Experimental thesis: “Detection of <i>Borrelia burgdorferi</i> in <i>Ixodes ricinus</i> ticks collected In Emilia Romagna in the years 2013 and 2014”</p> <p>Thesis Supervisor: Prof. Claudio Rivetti</p> <p>Assistant Supervisor: Dott. Paolo Bonilauri</p>
2007 - 2010	<p><b>Secondary Education Certificate with scientific orientation</b></p> <p>Liceo Scientifico Statale “Aldo Moro” (Reggio Emilia, Italy)</p>

## WORK EXPERIENCE

2015 - 2017	<b>Internship for Experimental Thesis</b> University of Pavia - Department of Biology and Biotechnology (Pavia, Italy) Group Leader: Prof. Mariangela Bonizzoni
2015	<b>Internship for Experimental Thesis</b> at Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna "Bruno Ubertini" - section of Reggio Emilia, Italy.

## SKILLS AND COMPETENCES

<b>Languages</b>	Italian: mother tongue English: fluent German: basic knowledge
<b>Laboratory skills</b>	Mosquitoes rearing, Nucleic acid extraction, PCR, Gel electrophoresis, Bacterial cell cultures, DNA purification, DNA ligation and Cloning, Southern Blotting.
<b>Informatics skills</b>	- Operating systems: Microsoft Windows, Linux - Programs: Microsoft Office and similar, Molecular biology software tools (Bioedit, Seaview, UGene, IGV, SnapGene), Imaging software (Adobe Photoshop, GIMP). - Databases: NCBI, Ensembl, UCSC, David, STRING, Gene Ontology. - Programming languages: Bash.
<b>Personal skills</b>	- Ability to identify and solve problems autonomously; - Natural predisposition to interpersonal relationship; - Good ability to organize time and effort; - Good ability to work to tight deadlines; - Good teamwork abilities; - Great willingness to learn.
<b>Others</b>	Driving licence (class B)

## PUBLICATIONS

### POSTER

Pischedda E., **Valerio F.**, Palatini U., Bonizzoni M. Viral integrations in the genome of the Asian tiger mosquito *Aedes albopictus*: a new source of genomic variability?  
*3<sup>rd</sup> International Workshop on Aedes albopictus.*  
10 – 12 April | Pavia, Italy

### ABSTRACT

Palatini U., Miesen P., Pischedda E., Carballar R., **Valerio F.**, Iovino G., Van Rij R., Bonizzoni M. Viral integrations are abundant in the genome of *Aedes* mosquitoes.  
*3<sup>rd</sup> International Workshop on Aedes albopictus.*  
10 – 12 April | Pavia, Italy