

Davide Sogliani

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EDUCATION

University of Pavia

October 2019 – July 2021

Master's Degree in Molecular Biology and Genetics

Thesis title: "Assessing the function of sequences of viral origin integrated into the genome of *Aedes albopictus*"

Supervisor: Pr. Mariangela Bonizzoni

Università degli Studi di Verona

October 2015 – November 2019

Bachelor's Degree in Biotechnology

Thesis title: "Use of the CRISPR/Cas9 system in the development of a *GPR3* knock out human cell line"

Supervisor: Pr. Donato Zipeto

PROFESSIONAL EXPERIENCE AND TRAINING

University of Pavia

December 2019 – July 2021

Department of Biology and Biotechnology

Internship in the Laboratory of Genomics and Biotechnology of insects of agricultural and medical importance

Techniques: Cell cultures (C6/36; Aag2; U4.4), Mosquito cells transfection, Mosquito cells infection, PCR, RT-qPCR, Molecular cloning, *E. coli* transformation and selection, DNA and RNA extraction, Nuclear and mitochondrial gene analysis

University of Verona

May 2019 – October 2019

Department of Biotechnology

Intership in the Laboratory of Molecular Biology of the Istituti Biologici, section of Biology and Genetics

Tecniche: Cell cultures (HEK293T; H4; HeLa), CRISPR/Cas9-based genome editing of human cell lines, DNA extraction, PCR, HLA typing, western blotting, Molecular cloning, Lentiviral transduction, Lipofection

**Centro Nazionale per lo Studio e la Conservazione della Biodiversità Forestale
“Bosco Fontana”**

June 2014 – August 2014

Corpo Forestale dello Stato – Str. Mantova, 29, 46045 – Marmirolo (MN)

Internship in Ecological Entomology

Monitoring of forest arthropods with particular attention on endangered saproxilic beetles listed in the Council Directive 92/43/EEC on the Conservation of natural habitats and of wild fauna and flora

Order/Family-level identification and sorting of captured insects by means of a stereomicroscope and taxonomic keys

Preservation techniques of arthropods and preparation of entomological drawers for educational and scientific purposes

LANGUAGE SKILLS

- English: upper intermediate; Spanish: basic

INFORMATIC SKILLS

- Proficient use of NCBI, UniProt, VectorBase databases
- Use of BioEdit, GeneMapper, SnapGene viewer; MEGA7 programs
- Basic knowledge of R programming language
- Proficient use of Microsoft Office

OTHER SKILLS AND MEMBERSHIPS

- **Reviewer** for “Journal of Zoology”, “Ecosphere”, “Frontiers in Ecology and Evolution”, “Animals”, “Genes” and “Conservation”.
- **Certificate of Attendance** – “EWAPOL COMENIUS Project – European Water Pollution” – Assessment of water quality and pollution level
- Member of the World Society for Virology (**WSV**), the Italian Society for Virology (**SIV**), and the Italian Society for Mammalogy (**ATIt**)

SCIENTIFIC PUBLICATIONS

- **Sogliani D**, Mori E. “The Fox and the Cat”: Sometimes they do not agree. *Mammalian Biology*. 2019; 95, 150-154.
<https://doi.org/10.1016/j.mambio.2018.07.003>
- Marconcini M, Pischedda E, Houé V, Palatini U, Lozada-Chávez N, **Sogliani D**, Failloux A-B, Bonizzoni M. Profile of Small RNAs, vDNA Forms and Viral

Integrations in Late Chikungunya Virus Infection of *Aedes albopictus* Mosquitoes. *Viruses*. 2021; 13(4):553. <https://doi.org/10.3390/v13040553>

- **Sogliani D**, Mura C, Tamborrini G. Successful treatment of idiopathic knuckle pads with a combination of high-dose salicylic acid and urea topical keratolytics: a case report. *Dermatology Reports*. 2021; 13(1);9072. <https://doi.org/10.4081/dr.2021.9072>
- **Sogliani D**, Cerri J, Turetta R, Crema M, Corsini M, Mori E. Feral rabbit populations in a peri-urban area: insights about invasion dynamics and potential management strategies. *European Journal of Wildlife Research*. 2021; 67(3);60. <https://doi.org/10.1007/s10344-021-01505-2>
- Mori E, **Sogliani D**, Senini C, Laurenzi A, Viviano A, Cianferoni F. Subspecific taxonomy of African porcupines *Hystrix* spp.: is there anything beyond the species level? Submitted to *Zootaxa*. 2021

Davide Sogliani

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali".