

## Chiara Albertini

Born 25/09/1998 in Lodi (Italy)  
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## EDUCATION

### PhD in Genetics, Molecular and Cellular Biology | October 2024 - ongoing

Università degli Studi di Pavia  
PhD project title: *Genomic plasticity in Aedes albopictus mosquitoes*  
PhD supervisor: Prof. Lino Ometto  
PhD reviewer: Dr. Michele Castelli

### MSc in Bioinformatics for Computational Genomics | 2021 - 2024

Università degli Studi di Milano and Politecnico di Milano  
Thesis title: *Protein divergence as a proxy for finding comparable species across different lineages*  
Supervisor: Dr. Christian Rödelsperger

### BSc in Biology | 2017 - 2021

Università degli Studi di Pavia  
Thesis title: *Analysis of the transposable elements in the genome of Bactrocera fruit flies*  
Supervisor: Prof. Lino Ometto

### Artistic high school diploma | 2012 - 2017

Liceo Artistico "Callisto Piazza" di Lodi

## RESEARCH EXPERIENCE

### Research grant to study thermal adaptability in mosquitoes | February - September 2024

Università degli Studi di Pavia  
Supervisor: Prof. Lino Ometto  
A one-year research grant to study if transposable elements can mobilize under thermal stress in the genome of the *Aedes albopictus* mosquitoes and if this plasticity can lead to adaptation of the mosquitoes, thus allowing them to increase their invasiveness.

### Training in raising and maintaining lab colonies of mosquitoes | February 2024 - ongoing

Università degli Studi di Pavia  
Experience in keeping lab colonies of *Aedes albopictus* mosquitoes through all the stages of the colony maintenance.

### Master's thesis internship | March - September 2023

Evolutionary Genomics and Bioinformatics group, Max Planck Institute for Biology, Tübingen (Germany)  
Supervisor: Dr. Christian Rödelsperger  
A 6-month research project where a wide range of bioinformatic tools (DIAMOND, BLAST, OrthoFinder, BUSCO, Phobius, InterProScan) were employed in the discovery of orthologous genes in 14 Eukaryota lineages to calculate protein divergence values that could be used to investigate genomic features in species pairs at comparable levels of protein divergence.

## ABSTRACTS AND CONGRESSES

**Albertini C**, Rödelsperger C, “*Protein divergence as a proxy for finding comparable species across different lineages*”, 4<sup>th</sup> International Pristionchus Meeting, Tübingen (Germany), 2023

Martelossi J, Silverj A, **Albertini C**, Luchetti A, Ometto L, Rota-Stabelli O, “*Genome plasticity in tiger mosquitoes: biological significance and relevance for pest management*”, SIBE congress, Naples (Italy), 2024

## VOLUNTEERING AND OTHER ACTIVITIES

**Group leader of the FAI Giovani Lodi department of FAI | 2018 - ongoing**

Italian Environmental Fund, Italy's biggest non-profit organization aiming to preserve the cultural and artistic heritage of the country.

- Planned and organized three successful fundraising events (*Giornate FAI d'Autunno 2021, 2022 and 2023*)
- Tour guide in both Italian and English for more than twenty FAI events