

## **Mauro Mandrioli CV**

*Nationality:* Italian

*Languages:* Italian (mother tongue)  
English (fluent)

*Education:* Degree (Laurea) *cum laude* in Biological Sciences, 1996  
University of Modena, Italy  
Major subjects: Structure of insect holocentric chromosomes

Ph.D. in Animal Biology, 1999

Dept. Animal Biology, University of Modena, Italy.

Thesis: *Cytogenetic and molecular characterization of highly repeated DNAs and multigene families in the genome of aphids (Homoptera)*

### *Professional experience:*

1/97 - 12/99: PhD fellowship at the Laboratory of Genetics at the University of Modena, Italy.

3/00 - 12/00: Stages at the Laboratory of Genetics and Laboratory of Biochemistry (University of Modena, Italy).

1/01- 11/2010 Researcher (permanent position) in Genetics at the Department of Animal Biology, University of Modena and Reggio Emilia, Italy.

11/2010-present Assistant Professor (permanent position) in Genetics at the Department of Life Sciences, University of Modena and Reggio Emilia, Italy. M. Mandrioli is the scientific leader of the Insect Genetics and Biosciences Lab.

### *Teaching courses:*

- Genetics for Biological and Natural Sciences (2001-present);
- Applied Genetics for Biological Sciences (2013-present);
- Insects Molecular Genetics for PhD School in Agri-food sciences, technologies and biotechnologies (2014-present).

### *Research interest*

My main research interests are related to the evolution of the insect genome e to the relationship between symbionts and their insect hosts with particular interest for insects of agricultural and medical interest. I published more than 100 papers on international journals and books.

### *Peer-review for grant application and scientific journal*

I'm member of the *Editorial Board* of the journals *Caryologia*, *Entomologia* and *Invertebrate Survival Journal* and *Review Editor* for the journal *Frontiers in Invertebrate Physiology*. I made peer-reviews for different international journals, including *Nature Biotechnology*, *PLoS One*, *Chromosoma*, *Chromosome Research*, *Trends in Genetics*, *Heredity*, *Genetica*, *BMC Genomics*, *Insect Biochemistry and Molecular Biology*, *Journal of Heredity*, *Journal of Insect Physiology* and *Biomolecular Concepts*. Lastly, I made the reviewer for grant applications for the *Italian Ministry for University and Research*, the *Natural Sciences and Engineering Research Council of Canada*, the *French Agence nationale de la recherche*, the *Marsden Foundation* of the *Royal Society of New Zealand*, the *Czech Science Foundation* and the *Israel Science Foundation*.