

Dr. René Massimiliano Marsano - CV

Personal data

Date of birth: 20. 07. 1974
Place of birth: Geneva (Switzerland)
Citizenship: Italian
Email: renemassimiliano .marsano@uniba.it
ORCID ID: 0000-0001-8450-1010

Current Affiliation

University of Bari "Aldo Moro" Bari, Italy

Education

2003 PhD in Genetics and Molecular Evolution – University of Bari
1999 Master Degree in Biological Sciences – University of Bari

Professional positions

2009-present. Assistant Professor at the University of Bari (Italy)
2015 Visiting Scientist Paul Ehrlich Institute Langen. (Prof. Zoltan Ivics' Lab), Germany
2005 – 2008 Assistant Professor at the University of Parma (Italy)
2004 Visiting Post-Doc MDC Berlin (Dr. Zoltan Ivics' Lab)
2003-2004 Post-Doc at the University of Bari
2000-2003 PhD student at the University of Bari

Awards and Fellowships

2015 DAAD fellowship
2004 EMBO Short-Term Fellowship
2000 Giorgio Battistuzzi Award for the best Thesis in Genetics

Society Memberships

2005- present. Member of the Italian Genetics Society

Research Interests

My research interests fall mainly in the field of eukaryotic mobile genetic elements and heterochromatin, using (but not limited to) *Drosophila melanogaster* as preferred model organism. Classical genetics, molecular and bioinformatics approaches are routinely used to:

- 1) Identify new transposable elements in the genome of eukaryotic model and non-model species
- 2) Functionally dissect transposition systems with the aim of understanding the regulation of the mobile elements
- 3) Characterize large heterochromatic domains densely populated by transposable elements and repeated DNA in order to understand their functions at chromosome structure and stability level
- 4) Explain the functional meaning of some insertions of transposable elements
- 5) Discover the evolutionary relationships between transposable elements and between the transposable elements and the genomes in which they reside, with a particular look at the phenomenon of horizontal transfer

Further research interests are focused on functional and evolutionary studies to clarify the role of genes involved in the mitochondrial biogenesis using model systems (like yeast and *Drosophila*)

Publications

See <https://www.ncbi.nlm.nih.gov/pubmed/?term=marsano+rm> for an updated list.

Patents

Inventor of a granted patent related to transposon (European Patent EP2772539B1).
An additional patent application has been currently filled and submitted for evaluation.

Teaching Activity

From 2010 teaches Molecular Genetics and Genetic Engineering” to undergraduate students enrolled at the University of Bari

Reviewer Activity

Acts as a Reviewer for several Scientific Journals (<https://publons.com/researcher/319422/rene-massimiliano-marsano/peer-review>)
Enrolled on the Italian “REPRISE “ list for grant applications’ evaluation.