

## CURRICULUM VITAE ET STUDIORUM

NAME: Laura Ciapponi  
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### EDUCATION AND POSITIONS

1993: Degree in Biology, at Sapienza, University of Rome  
1997: PhD in Genetics and Molecular Biology, Sapienza, University of Rome,  
1998 -2001: Long Term EMBO postdoctoral fellow, EMBL/Heidelberg (Germany),  
Department of Developmental Biology.  
2001: Research associate position at the University of Rochester School of Medicine  
and Dentistry, Department of Biomedical Genetics (USA, NY).  
2002: Research fellow at Sapienza, University of Rome, Department of Genetics and  
Molecular Biology, C. Darwin.  
2003-2008: Assistant Professor of Genetics at Sapienza, University of Rome,  
Department of Genetics and Molecular Biology, C. Darwin, with the "Rientro  
dei cervelli" program by MIUR.  
2008 to date: Associate Professor of Genetics at Sapienza, University of Rome,  
Department of Biology and Biotechnologies, Charles Darwin.

### SCIENTIFIC INTEREST

- DNA repair and telomeres stability in *Drosophila melanogaster*
- Genetic control of mitosis in *Drosophila melanogaster*
- *Drosophila* as model of human neurodegenerative disorders and aging
- ERK/JNK signal transduction activation during *Drosophila* development
- Epigenetics and gene regulation

### DIDACTIC ACTIVITY (At Sapienza, University of Rome)

Structural and functional analysis of genomes  
Environmental mutagenesis  
Genomics  
Genetics  
Genetics and Computational Genomics

### FUNDINGS

Telethon  
The French Muscular Dystrophy Association (AFM-Telethon)  
SAPIENZA Ateneo  
Fondazione Cenci-Bolognetti-Pasteur Institute (Italy)  
Associazione Italiana Ricerca per il Cancro (AIRC)

## **Selected Publications**

1. Marzullo M, Romano G, Pellacani C, Riccardi F, Ciapponi L and Feiguin F. *Su(var)3-9 mediates age-dependent increase in H3K9 methylation on TDP-43 promoter triggering neurodegeneration.* Cell Death Discover. 2023; 9:357. doi: 10.1038/s41420-023-01643-3
2. Marzullo M, Coni S, De Simone A, Canettieri G and Ciapponi L. *Modeling Myotonic Dystrophy type 2 using Drosophila melanogaster.* Int. J. Mol. Sci. 2023; 14(18)14182; doi: 10.3390/ijms241814182
3. D'Ercole C, D'Angelo P, Ruggieri V, Proietti D, Virtanen L, Parisi C, Riera CS, Renzini A, Macone A, Marzullo M, Ciapponi L, Bonvissuto D, Sette C, Giordani L, Madaro L. *Spatially resolved transcriptomics reveals innervation-responsive functional clusters in skeletal muscle.* Cell Rep. 2022; 41(12):111861. doi: 10.1016/j
4. Porrazzo A, Cipressa F, De Gregorio A, De Pittà C, Sales G, Ciapponi L, Morciano P, Esposito G, Tabocchini MA, Cenci G. *Low dose rate  $\gamma$ -irradiation protects fruit fly chromosomes from double strand breaks and telomere fusions by reducing the esi-RNA biogenesis factor Loquacious.* Commun Biol. 2022; 5(1):905. doi: 10.1038/s42003-022-03885-w
5. Coni S, Falconio FA, Marzullo M, Munafò M, Zuliani B, Mosti F, Fatica A, Ianniello Z, Bordone R, Macone A, Agostinelli E, Perna A, Matkovic T, Sigrist S, Silvestri G, Canettieri G and Ciapponi L. *Translational control of polyamine metabolism by CNBP is required for Drosophila locomotor function.* eLife 2021. doi: <https://doi.org/10.1101/2021.04.29.441910>
6. Strah N., Romano G., Intronà C., Klima R., Marzullo M., Ciapponi L., Megighian A., Nizzardo M. and Feiguin F. *TDP-43 promotes the formation of neuromuscular synapses through the regulation of Disc-large in Drosophila skeletal muscles.* BMC Biol. 2020;18(1):34. doi:10.1186/s12915-020-00767-7
7. Antonucci L., D'Amico D., Di Magno L., Coni S., Di Marcotullio L., Cardinali B., Gulino A., \*Ciapponi L. and Canettieri L. *CNBP regulates wing development in Drosophila melanogaster by promoting IRES-dependent translation of dMyc.* Cell Cycle 2013; 13:434-439. doi: 10.4161/cc.27268.
8. Raffa G.D., Raimondo D., Sorino C., Cugusi S., Cenci G., Cacchione S., Gatti M. and Ciapponi L. *Verrocchio, a Drosophila OB fold-containing protein, is a component of the terminin telomere-capping complex.* Genes & Development 2010; 24: 1596-1601.