MARIA ENRICA PASINI, PhD
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EMPLOYMENT
1990-present Permanent Associate Research Scientist, Department of Biosciences, University of Milano
Assistant professor in Comparative Anatomy & Cytology, University of Milano
1980-1983 Associate Research Scientist, Department of Physiology and Biochemistry, University of Milano

EDUCATION
1986 PhD in Physiological Sciences, University of Milano
1982 Master in Applied Biology, University of Milano
1980 B.A., Laurea in Biology, University of Milano

AWARDS
2014-2016 MAE Fellowship for S&T cooperation Italy-Vietnam, Hanoi Medical University, Vietnam
2011 exchange of students for cooperation UNIMI-Iraq on fertilization projects
2008 invited for research from International center for biotechnology, Osaka University, Japan
2006-2009 MAE Fellowship for S&T cooperation Italy-China, Zhejing University, Hangzhou
2000-2003 JSPS Fellowship for short term research in Japan, Keyo University, Yokohama
1999 JSPS Fellowships for short term research in Japan at the The school of Bioscience and Biotechnology, Tokyo Institute of
Technology"

GRANT SUPPORT past last 5 years
2014PGR00155 MAE S&T cooperation Italia-Vietnam
Grant Telethon 2012 to A. Becchetti "The role of neuronal nicotinic receptors in the pathogenesis of autosomal dominant nocturnal frontal lobe epilepsy: a study on wild-type and conditional transgenic mice expressing the beta2-

V287L subunit".
European Biosecurity Awareness Raising Network (EU-BAR-Net) 2011
2009-ATE-0165 PUR 2009 Studio dei meccanismi neurodegenerativi in modelli murini di sclerosi laterale amiotrofica
2008-ATE-0896 PUR 2006-2008 Ruolo della alfa-L-fucosidasi dello spermatozoo nella fecondazione in Drosophila e in Ceratitis

PROFESSIONAL ACTIVITIES
Ad hoc Reviewer for: Insect Biochemistry and Molecular Biology, Comparative Biochemistry and Physiology, Bulletin of Insectology, The Protein Journal, Molecular Reproduction and Development. Ad hoc Reviewer for MIUR

RESEARCH TOPICS and COLLABORATIONS
I have carried out reserch on several aspects of the biology of reproduction in Drosophila. More recently, fluorescence and ultrastructural affinity cytochemistry has been combined with biochemical and molecular biology approaches to investigate the molecules involved in gamete recognition in Drosophila. I have also investigated the profile of expression of nAChR subunits in the murine brain and the role of neuronal nicotinic receptors in the pathogenesis of autosomal dominant nocturnal frontal lobe epilepsy in collaboration with A. Becchetti and A. Amadeo. In the last few years, I have studied the expression of UBPY in mouse testis and in the central nervous system in collaboration with G. Berruti. In collaboration with P. Bellosta I opened a new line of research aimed at understanding the mechanisms at the basis of neuronal degeneration in pathological conditions such as in Huntington Disease and Spinocerebellar Ataxia using Drosophila a model. In collaboration with C. La Porta and E. Dejana I am activating a line of research on cancer stem cells and metastasis.

SELECTED PUBLICATIONS from 60

- PAIARDI C., PASINI M.E., AMADEO A., GIORIA M.R., BERRUTI G. (2014). The ESCRT-deubiquitinating enzyme USP8 in the cervical spinal cord of wild-type and Vps54-recessive (wobbler) mutant mice. HISTOCHEMISTRY AND CELL BIOLOGY, vol. 141; p. 57-73.
- DELVILLANI F., SCIANDRONE B., PEANO C., PETITI L., BERENS C., GEORGI C., FERRARA S., BERTONI G., PASINI M.E., DEHO' G., BRIANI F. (2014). Tet-Trap, a genetic approach to the identification of bacterial RNA thermometers: application to *Pseudomonas aeruginosa*. RNA
- ARACRI P., AMADEO A., M.E. PASINI, U. FASCIO, BECCHETTI A. (2013). Regulation of glutamate release by heteromeric nicotinic receptors in layer V of the secondary motor region (Fr2) in the dorsomedial shoulder of prefrontal cortex in mouse. SYNAPSE
- ARACRI P., BANFI D., PASINI M.E., AMADEO A., BECCHETTI A. (2013). Hypocretin (Orexin) regulates glutamate input to fast-spiking interneurons in layer V of the Fr2 region of the murine prefrontal cortex. CEREBRAL CORTEX ISSN 1047-3211. - ISSN 1460-2199. - (2013 Dec 01).

- SUGNI M., BARBAGLIO A., BONASORO F., GIORIA M., FASANO P., PASINI M.E. (2013). The Role of Models in Science : A Multicomprehensive Experience with the Sea Urchin Paracentrotus Lividus /. - In: Procedia : social & behavioral sciences, vol. 93; p. 1404-1408- ISSN 1877-0428. -(2013 Oct 21).
- NIDHAL Al KADHEM N., AL ANI N.K., PASINI M.E. (2013). Study the Effects of Glutathione (GSH) on Blood Glucose Level in Diabetic Male Mice. Journal of Al-Nahrain University, vol. 16; p. 230-238.
- NIDHAL Al KADHEM N., AL ANI N.K., PASINI M.E. (2012). Study the effects of glutathione on fertility potential i*n vitro* of male diabetic induced mice. Iraqi J. Embryos and Infertility Researches, vol. 2; p. 46-51.
- PASINI M.E., INTRA J., GOMULSKI L.M., CALVENZANI V., PETRONI K., BRIANI F., PEROTTI M.E. (2011). Identification and expression profiling of Ceratitis capitata genes coding for beta-hexosaminidases. GENE, vol. 473; p. 44-56, ISSN: 0378-1119, doi:10.1016/j.gene.2010.11.003
- XU Y., INTRA J., ZHANG C.X., PASINI M.E. (2011). Recombinant expression of Drosophila melanogaster alpha-L-fucosidase in Trichoplusia ni cells. JOURNAL OF INSECT PHYSIOLOGY, vol. 57; p. 1205-1211, ISSN: 0022-1910, doi:10.1016/j.jinsphys.2011.05.008
- INTRA J., DE CARO D., PEROTTI M.E., PASINI M.E. (2011). Glycosidases in the plasma membrane of Ceratitis capitata spermatozoa. INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY, vol. 41; p. 90-100, ISSN: 0965-1748, doi: 10.1016/j.ibmb.2010.10.004
- INTRA J., PEROTTI M.E., PASINI M.E. (2011). Cloning, sequence identification and expression profile analysis of alpha-L-fucosidase gene from the Mediterranean fruit fly Ceratitis capitata. JOURNAL OF INSECT PHYSIOLOGY, vol. 57; p. 452-461, ISSN: 0022-1910, doi:10.1016/j.jinsphys.2011.01.007
- PAIARDI C., PASINI M.E., GIORIA M., BERRUTI G. (2011). Failure of acrosome formation and globozoospermia in the wobbler mouse, a Vps54 spontaneous recessive mutant. SPERMATOGENESIS, vol. 1; p. 52-62, ISSN: 2156-5554, doi: 10.4161/spmg.1.1.14698