

Curriculum Vitae

Mariana Mondragón Palomino

mariana.mondragon@biologie.uni-regensburg.de

Research experience

Since April 2010

Junior Group Leader, University of Regensburg. Germany

Department of Cell Biology.

2004 – 2010

Postdoctoral researcher, Friedrich-Schiller-University, Jena. Germany.

Department of Genetics

1999 - 2004

Ph.D., Biological Sciences, University of California, Irvine. USA, Department of Ecology and Evolutionary Biology

1993- 1998

Bachelor degree in Basic Biomedical Research, Universidad Nacional Autónoma de México, (UNAM), Mexico.

Research and travel grants

2012 – 2013

Grant from the Bavaria California Technology Center.

2006-2010

Postdoctoral grant from the initiative in Evolutionary Biology of the Volkswagen Foundation.

Fellowships and Awards

2011 -2014

Fellowship for Habilitation.

2004-2006

Fellowship for Young Researchers (DAAD).

2001 and 2003

Fellowship in Bioinformatics. University of California, Irvine.

1999-2004

Ph.D. Fellowship UC-MEXUS-CONACyT.

1994-1996

Scholarship for high academic performance. Fundación UNAM.

Peer-reviewed Publications

13. Acri-Nunes-Miranda R. and Mondragón-Palomino M. 2014. Expression of paralogous SEP-, FUL-, AG- and STK-like MADS-box genes in wild-type and peloric Phalaenopsis flowers. Front. Plant Sci. 5:76.

12. Mondragón-Palomino M. 2013. Perspectives on MADS-box expression during orchid flower evolution and development. *Front. Plant Sci.* 4:377.
11. Mondragón-Palomino, M. and Trontin C. 2011. "High time for a roll call: Gene duplication and phylogenetic relationships of TCP-like genes in monocots". *Annals of Botany.* 107:1533-1544.
10. Mondragón-Palomino, M. and G. Theißen. 2011. "Conserved differential expression of paralogous DEFICIENS- and GLOBOSA-like MADS-box genes in the flowers of Orchidaceae: refining the 'orchid code'". *The Plant Journal.* 66:1008-1019.
9. Mondragón-Palomino, M., Hiese, L., Härter, A., Koch, M.A. and G. Theißen. 2009. "Positive selection and ancient duplications in the evolution of class B floral homeotic genes of orchids and grasses". *BMC Evolutionary Biology.* 9:81-117.
8. Mondragón-Palomino, M. and G. Theißen. 2009. "Why are orchid flowers so diverse? Reduction of evolutionary constraints by paralogues of class B floral homeotic genes". *Annals of Botany.* 104:583-94.
7. Mondragón-Palomino, M. and G. Theißen. 2008. "MADS about the evolution of orchid flowers". *Trends Plant Sciences.* 13:51-59.
6. Mishmar, D., Ruiz-Pesini, E., Mondragón-Palomino, M., Procaccio, V., Gaut, B. and D.C. Wallace. 2006. "Adaptive selection of mitochondrial complex I subunits during primate radiation". *Gene.* 378:11-18.
5. Mondragón-Palomino, M. and B.S. Gaut. 2005. Gene conversion and the evolution of three Leucine-Rich-Repeat gene families in *A. thaliana*. *Molecular Biology and Evolution.* 12:2444-2456.
4. Mondragón-Palomino, M., Meyers, B.C., Michelmore, R.M. and B.S. Gaut. 2002. Pattern of positive selection in the complete NBS-LRR gene family of *Arabidopsis thaliana*. *Genome Research.* 12:1305-1315
3. Mondragón-Palomino M., Pinero D., Nicholson-Weller, A. and J.P. Lacleste. 1999. Phylogenetic analysis of the homologous proteins of the terminal complement complex supports the emergence of C6 and C7 followed by C8 and C9. *Journal of Molecular Evolution.* 49:282-289.
2. Espitia, C., Lacleste, J.P., Mondragón-Palomino, M., Amador, A., Campuzano, J., Martens, A., Singh, M., Cicero, R., Zhang, Y., and C. Moreno. 1999. The PE-PGRS glycine-rich proteins of *Mycobacterium tuberculosis*: a new family of fibronectin-binding proteins? *Microbiology* 145:3487-3495.
1. Mendoza L., Mondragón, M., and J. Lagunez-Otero. 1998. Interaction of the 530 ribosomal site with regions of mRNA. *BioSystems.* 46:293-298