



Centro de Biotecnología y Genómica de Plantas Departamento de Biotecnología - UPM

POSTDOCTORAL POSITION AVAILABLE

Research topic: ***Mechanisms of tolerance of plants to virus infection.*** Recent work in the group has been directed at developing *Arabidopsis thaliana* as a system for the study of plant-virus co-evolution. Results have shown the relevance of tolerance as a defence response to viruses and, hence, its potential role in plant-virus co-evolution. RILs analyses have allowed identification of QTLs determining tolerance to virus infection in *Arabidopsis*. ***Research will focus on the analysis of candidate genes for tolerance to virus infection and on the molecular mechanisms of tolerance.***

Period: 3 or 4 years, starting any time from now.

Conditions:

Contract conditions will be equivalent to those of the Spanish "Juan de la Cierva" Programme (<http://www.micinn.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=f900759903236210VgnVCM1000001d04140aRCRD>), either funded by this programme or directly through the research group.

Requisites: Experience in plant molecular genetics or/and molecular evolution.

INTERESTED CANDIDATES PLEASE CONTACT:
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PREFERABLY BEFORE FEBRUARY 28th 2010

Publications of the group related to the topic:

- Pagán, I., Alonso-Blanco, C. & García-Arenal, F. 2007 The relationship of within-host multiplication and virulence in a plant-virus system. *PLoS ONE* **2**, 2786.
- Pagán, I., Alonso-Blanco, C. & García-Arenal, F. 2008 Host responses in life-history traits and tolerance to virus infection in *Arabidopsis thaliana*. *PLoS Pathog.* **4**, e1000124.
- Pagán, I., Alonso-Blanco, C. & García-Arenal, F. 2009 Differential tolerance to direct and indirect density-dependent costs of viral infection in *Arabidopsis thaliana*. *PLoS Pathog.* **5**, e1000531.

Further information about the CBGP please visit (www.cbgp.upm.es)

