



UNIVERSIDAD COMPLUTENSE  
MADRID



<http://www.mat.ucm.es/momat/>



# Research Project: Mathematics for multidisciplinary progress in high pressure, animal health and other issues of scientific and technological interest

## MTM2011-22658

# PREDOCTORAL GRANT—4 years

(Beca de Formación de Personal Investigador FPI)

## Pre-announcement to the public call

The general aim of this project is to do research, from a mathematical point of view, on several topics of interest for society, collaborating with other mathematicians and researchers of other scientific fields, as well as companies and other institutions or agencies. Namely, we will concentrate on mathematical modelling, that has become a powerful tool for computer process simulation, optimisation and control of processes. This allows, among other things, to avoid a large amount of experimental work in the laboratory, which usually is time and money saving .

The project is divided into 3 sections :

- 1) High Pressure.
- 2) Diffusion and control of animal epidemics
- 3) Other topics.

Project members:

Ángel Manuel Ramos (Principal Investigator), Sixto Jesús Álvarez, Juan M. Bello, Juan-Antonio Infante, Benjamin Ivorra, Beatriz Martínez-López, José María Rey, José Manuel Sánchez-Vizcaíno, Nadia Smith.

Applications shall be sent to the Ministry, before 15 days from the publication in the BOE:

<http://www.micinn.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnex-toid=e962ae533a2c4310VgnVCM1000001d04140aRCRD&vgnnextchannel=8da5b9746e160210VgnVCM1000001034e20aRCRD>  
<http://www.mat.ucm.es/momat/>

It is suitable that interested applicatns contact Ángel Manuel Ramos before applying: ([angel@mat.ucm.es](mailto:angel@mat.ucm.es)).

