



2009 seminar on Modelling in Plant Biology: Models at the cellular and tissular scales

One full day of conferences : the 6th of March

Venue : AGROPOLIS Campus - Montpellier- France

The aim of this one day meeting is to illustrate the benefits of a multidisciplinary approach associating biologists and mathematicians/computer scientists to tackle important problems in plant biology. This first seminar will focus on cellular models.

Confirmed Invited Speakers :

Jim HASELOFF (Cambridge University, UK)

“Software and wetware tools for Synthetic Biology in plants.”

Nick MONK (CPIB, University of Nottingham, UK)

"Modelling cell fate assignment in the Arabidopsis root epidermis."

Nadia BERTIN (INRA, Plantes et Systèmes de Culture Horticoles, Avignon, France)

“Ecophysiological models of growth processes involved in fruit quality”.

Cris KUHLEMEIER (IPS, Berne, Switzerland)

“Simulation models of phyllotaxis and vein formation.”

Teva VERNOUX (ENS Lyon, France)

"Hormone signalling at the shoot apical meristem: a systems biology approach."

Eric MJOLSNESS (ICS, Irvine, CA, USA)

"Problems of mechanical modelling in growing plant tissues"

Final programme is available on our website on <http://www.plantnum.agropolis.fr>. Registration is free but compulsory due to space limitation. To register , send an email to juliette.fabre@supagro.inra.fr before February 20th. Please indicate in your email if you want to have lunch on site (10 euros payable with credit card at the time of the meeting). Information for access to the Agropolis campus are available on <http://www.agropolis.fr/>.

Local Organising Committee:

Yann Guédon (UMR DAP), Christine Granier (UMR LEPSE), Laurent Laplaze (UMR DIAPC).

This Seminar is organised with the financial support from Agropolis Fondation (<http://www.agropolis-fondation.fr/>) and Agropolis International (<http://www.agropolis.fr/>).

