

Modelling electrical signalling in plants in relation to the polarisation of development and morphogenesis, and to the adaptive response to stress

PERSPECTIVES

The work described above will be pursued within the team-project ELEXIGNAL, which will remain within BPMP during the next contract of this UMR. The multi-cellular model will be finalised and published.

Recordings of action potentials will continue on other mutant genotypes available in the team and will be analysed in relation with the associated calcium imaging events. Finally, phenotyping, in terms of electrical signalling and calcium, of plant lines carrying mutations on CPKs or their target-channels will be undertaken. This work will produce an integrative view of the molecular mechanisms of calcium and electrical signalling in plants in relation to adaptive responses to environmental stress of these plants.

Responsable :

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