



Postdoctoral position in computational modeling of plant development

PlantDynamics Lab combines computer simulations, synthetic biology experiments and miniature lab on chip laboratories to study plant organogenesis and post-embryonic development with the strong focus on hormone signaling circuits.

Currently, the lab is looking for a talented young doctor to work on the development of computer simulation platform dedicated for quantitative studies of plant development. Junior postdoc will develop, simulate and analyze computer models of growing plant roots that are steered by crosstalk from several plant hormones and other important signaling molecules. Computer models will integrate multiple levels of organization such as molecular, cell and tissue levels whereas quantitative experimental data that will feed those models will come from numerous collaborations with experimentalists within and outside of the host institution as well as from the host laboratory.

Strong computer programming skills (C++, Matlab, Octave) and previous exposure to biology are critical.

Suitable candidates will carry engineering, computer science or physics degree, however, trained biologists with good experience in solving theoretical problems using computational tools are equally welcome to apply. Additionally, our lab will provide further training in state-of-the-art microscopy and synthetic biology to the successful candidate. A good English language skills are essential.

An initial appointment is for 6 months with possible extension to 24 months.

The gross salary: 24000 €/year

To express your interest please send your CV and describe what motivates you to do science by **15th April 2018**.

Contact: Dr. Krzysztof Wabnik (PlantDynamicsLab@gmail.com)

Location: Centro de Biotecnología y Genómica de Plantas UPM-INIA, MADRID