A joint PhD grant between the laboratory "Reproduction et Développement des Plantes", located at the Ecole Normale Supérieure de Lyon, Lyon, France and the School of Biosciences at the Sutton Bonington Campus, University of Nottingham, UK is available starting from October 2013.

We are looking for a highly motivated and independent student to conduct studies on the role of auxin signaling in cell differentiation in meristems of the model species Arabidopsis thaliana. The work will focus on elucidating the molecular basis for cell sensitivity to auxin and on the analysis of the gene network controlling cell fate specification in response to auxin in both shoots and roots.

This position is opened **only to EU applicants**. The work will be conducted both at the Ecole Normale Supérieure de Lyon and at the University of Nottingham, under the direction of Teva Vernoux and Anthony Bishopp.

An expertise in genomics, molecular biology, live imaging and developmental biology is highly desirable. An experience in network analysis would be appreciated.

Contact: Applicants should send a CV and two recommendation letters to **Teva Vernoux** (teva.vernoux@ens-lyon.fr) and **Anthony Bishopp** (Anthony.Bishopp@nottingham.ac.uk).

Relevant publication from the host laboratories:

Brunoud G, Wells DM, Oliva M, Larrieu A, Mirabet V, Burrow AH, Beeckman T, Kepinski S, Traas J, Bennett MJ, Vernoux T (2012) A novel sensor to map auxin response and distribution at high spatio-temporal resolution. ***Nature*** 482: 103-106.

Vernoux T*, Brunoud G, Farcot E et al. (2011) The auxin signalling network translates dynamic input into robust patterning at the shoot apex. ***Mol Syst Biol*** 7: 508.

Anthony Bishopp, Hanna Help et al. (2011) A Mutually Inhibitory Interaction between Auxin and Cytokinin Specifies Vascular Pattern in Roots. ***Curr Biol.*** 21:917-926