3 years PhD Position in Cell Biology

Marie-Cécile Caillaud's group (ENS de Lyon, FR)

The role of lipids in mediating the spatiotemporal coordination of cytokinesis in Arabidopsis

3 year PhD position supported by ANR funding is available for a project in M-C. Caillaud's group at *the Reproductive and Plant Development Laboratory RDP* at the *Ecole Normale Supérieure of Lyon*. www.ens-lyon.fr

Interested individuals are invited to apply to study the role of anionic phospholipids in the regulation of membrane trafficking and cell division in plants. We use a combination of biochemistry, advance live imaging, and genetics to address fundamental questions on cellular mechanisms and plant development. team website

Please send one PDF file to

marie-cecile.caillaud@ens-lyon.fr
with the following:
- cover letter
- CV including contact details for 1-2 referees

Deadline 01st of December 2022

Starting date: Winter 2023

Candidate

We are looking for highly motivated candidate with a strong commitment to research, interested in cell biology. *The working language of the laboratory and the institute is English. Excellent written and communication skills are required.*

Environment

The *RDP (Lyon)* located at the ENS Lyon is among the world leading centers working on plant development, with expertise in molecular biology and imaging, it increasingly develops systems and quantitative biology to simulate the behavior of cells and tissues. www.ens-lyon.fr/RDP/

Lyon is a vibrant city, 2h from the Alps, Paris or the Mediterranean sea. www.onlylyon.com

Recent Publications

📌 Lebecq, *et al.* (2022) "The Arabidopsis SAC9 Enzyme is enriched in a cortical population of early endosomes and restricts PI(4,5)P2 at the Plasma Membrane" eLife

📌 Lebecq, *et al.* (*2022*). "Dynamic Apical-Basal Enrichment of the F-Actin during Cytokinesis in Arabidopsis Cells Embedded in their Tissues." *Quantitative Plant Biology*

📌 Doumane, M., M.-C. Caillaud* and Y. Jaillais* (*2022*) "Experimental Manipulation of Phosphoinositide lipids, from cells to organisms" *Trends in Cell Biology*

📌 Doumane, Lebecq, *et al.* (2021) Inducible depletion of PI(4,5)P2 by the synthetic iDePP system in Arabidopsis. Nature Plants