



In the context of ANR and ERC funded projects, the research groups of Marie-Cecile Caillaud and Yvon Jaillais are looking for:
4 Postdoctoral researchers and 1 PhD student
to work on anionic lipids and membrane signaling in plant development

Please send one PDF file to Marie Cecile Caillaud marie-cecile.caillaud@ens-lyon.fr and Yvon Jaillais yvon.jaillais@ens-lyon.fr with the following:

- cover letter
- concise summary of previous research activities
- curriculum vitae including publication list and contact details for 2-3 referees

Starting date: **Fall 2021 and onward**

Team website: <http://www.ens-lyon.fr/RDP/SiCE/Home.html>

Lyon:
<http://www.onlylyon.org/onlylyon-org-42-2.html>

Selected publications:

- Noack et al., 2020 **bioRxiv**
- Doumane et al., 2020 **bioRxiv**
- Marques-Bueno et al., 2020 **Current biology**
- Platre et al., 2019 **Science**
- Platre et al., 2018. **Developmental Cell**
- Simon, Platre et al., 2016 **Nature Plants**

Motivated individuals are invited to apply to study the role of anionic phospholipids in the regulation of membrane trafficking, organelle contacts, cell polarity, cell division, membrane-cytoskeleton interaction and receptor kinase signaling pathways in plants. We use a combination of biochemistry, advance live imaging, and genetic approaches to address fundamental questions in cell regulation and plant development.

Environment:

The Plant Reproduction and Development Institute (RDP lab, ENS Lyon, France) 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.

<http://www.ens-lyon.fr/RDP/?lang=en>

Lyon is a vibrant European city with many cultural and sportive opportunities, 2 hours from the Alps, Paris or the Mediterranean sea.

Candidates:

We are looking for highly motivated candidates with strong involvement in their research project and with practical skills in:

- *Live imaging*
- *Super-resolution microscopy, single molecule imaging, particle tracking and quantitative image analysis*
- *Optogenetics*
- *FRET sensor design and imaging*
- *Subcellular proteomics*

The working language of the laboratory and the institute is English. Excellent written and communication skills are required.