



Post-Doc or Research Engineer position in plant cell biology and membrane lipid biochemistry

In the group of Yohann Boutté (CNRS, Bordeaux, France) : [WebSite of the group](#)

To apply: Please send to yohann.boutte@u-bordeaux.fr

- 1) **A motivation letter**
- 2) **A short summary of previous research activities**
- 3) **A complete CV with the name of 2 references**

The deadline of application is 15th of April 2023, starting date is 1st of September 2023

Research: My team uses multidisciplinary approaches to elucidate mechanisms of intracellular trafficking, cell polarity, cell division and plant development. The proposed project will address the function of lipid landmarks in cell division and more precisely during cytokinesis. This project is nested within a unique collaborative frame including the group of Yohann Boutté (CNRS, Bordeaux), Farhah Assaad (TUM) and Marie-Cécile Caillaud (ENS, Lyon).

Selected publications from the group:

- 1- Ito Y, et al. Boutté Y*. (2021). Sphingolipids mediate polar sorting of PIN2 through phosphoinositide consumption at the *trans*-Golgi Network. *Nature Communications*, 12(1): 4267.
- 2- Boutté Y*, Jaillais Y*. (2020). Metabolic cellular communications: feedback mechanisms between membrane lipid homeostasis and plant development. *Developmental Cell*, 54(2): 171-182.
- 3- Wattelet-Boyer V, et al. Boutté Y*. (2016). Enrichment of hydroxylated C24- and C26-acyl-chain sphingolipids mediates PIN2 apical sorting at *trans*-Golgi network subdomains. *Nature Communications*, 7:12788.

The host lab is ([WebSite of the Lab](#)):

- Composed of around 50 people and is recognized at the international level for its knowledge and knowhow in lipid biochemistry and membrane biology.
- Very international as it hosts PhD students and post-docs from different nationalities.
- Located on the INRAE campus of Villenave d'Ornon (7 Km from Bordeaux down-town) and benefits from several facilities, amongst one in cell imaging (Zeiss airyscan 880, super-resolution microscopy and cryo-electron microscopy, [WebSite](#)) and one in lipidomic analyses (GC-MS and LC-MS/MS, [WebSite](#)).
- Connected to Bordeaux by tramway and buses. Bordeaux is a beautiful and lively University city with access to the sea-side in 1h.

Profile: We are looking for a highly motivated candidate with a background in cell biology, microscopy, membrane trafficking and molecular biology. Alternatively, a background in membrane lipid biochemistry and mass spectrometry (GC-MS and/or LC-MS/MS) with an interest to develop cell biology research will also be considered.