



### **Dr. Emmanuelle Bayer Short CV**

E Bayer obtained her PhD thesis in 2005 (A. Maule; John Innes Centre U.K.), where she had worked on the plant-specific plasmodesmata intercellular channels. After a post doc in Switzerland working on auxin-polarised transport (2006-2009; C Kuhlemeier, Institute of Plant Science Switzerland), she obtained, in 2010, a permanent position at the CNRS. Since 2015 she established her own group at the Laboratory of Membrane Biogenesis in Bordeaux, France. Her current research focus is to bring a better understanding on the role of membrane lipids, and organelle contacts to the function of plasmodesmata and plant cell-to-cell communication.

### **Selected publications**

- Petit *et al.* **2020** Dare to change, the dynamics behind plasmodesmata-mediated cell-to-cell communication. **Current Opinion in Plant Biol.**53:80-89
- Brault, Petit *et al.* **2019** Multiple C2 domains and transmembrane region proteins tether membranes at plasmodesmata. **EMBO Rep.** e47182, p1-26
- Yan, Yadav *et al.* **2019** Sphingolipid biosynthesis modulates plasmodesmal ultrastructure and phloem unloading. **Nat Plants** 5: 604-615
- Nicolas *et al.* **2017** Post-cytokinesis plasmodesmata with no cytoplasmic sleeve are open for macromolecular trafficking. **Nat Plants** 3:17082
- Grison *et al.* **2015** Specific membrane lipid composition is important for plasmodesmata function. **The Plant Cell.** 27(4):1228-50