

Webinar « Cell biology & signal transduction »

April 8th, 2021

Emmanuelle Bayer, LBM Villenave-d'Ornon

emmanuelle.bayer@u-bordeaux.fr

<https://www.biomemb.cnrs.fr/thematique/communication-intercellulaire-mediee-par-les-plasmodesmes/>

Staying tight: controlling plant cell-to-cell communication through plasmodesmata membrane contacts

Abstract

Our group investigates the question of how plasmodesmata-mediated cell-to-cell communication benefits from organelle tethering. We integrate modelling methods and super-high resolution 3D imaging into molecular cell biology of plant cell-to-cell communication. Current objectives are to 1) Identify the mechanisms of PD membrane-tethering at the molecular level 2) Elucidate the dynamics and 3D architecture of ER-PM contact sites at PD 3) Uncover the function of ER-PM apposition for plant intercellular communication.



Université Claude Bernard Lyon 1

