

We are looking for a PhD graduate student or a post doc researcher to study plant vesicle trafficking with an emphasis on exocytosis. We use chemical genetics and live cell imaging approaches to understand how proteins are transported to different cellular locations during growth and development. The project requires molecular biology and cell biology skills to study protein-protein interactions and protein trafficking dynamics. A background in live cell imaging and quantitative image analysis is preferred. Experience in plant tissue culture and gene editing can be helpful as well.

For more information about the project, please contact Chunhua Zhang through email: zhang150@purdue.edu.

Applicants who are interested in the position please send *curriculum vita*, a letter of research interest, and contact information for three references to zhang150@purdue.edu.

Selected publications related to the project:

Huang L, Li X, Zhang W, Ung N, Liu N, Yin X, Li Y, McEwan RE, Dilkes BP, Dai M, Hicks GR, Raikhel NV, Staiger CJ, Zhang C (2020) Endosidin20 Targets the Cellulose Synthase Catalytic Domain to Inhibit Cellulose Biosynthesis. *Plant Cell*

Zhang C, Brown MQ, van de Ven W, Zhang ZM, Wu B, Young MC, Synek L, Borchardt D, Harrison R, Pan S, Luo N, Huang YM, Ghang YJ, Ung N, Li R, Isley J, Morikis D, Song J, Guo W, Hooley RJ, Chang CE, Yang Z, Zarsky V, Muday GK, Hicks GR, Raikhel NV (2016) Endosidin2 targets conserved exocyst complex subunit EXO70 to inhibit exocytosis. *Proc Natl Acad Sci U S A* 113: E41-50