Daniel McDonough

4/6/18

Cell Bio

PLC #4

Article: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jipb.12648>

Wang, Shanshan. Xie, Ke. Xu, Guoyong. Zhou, Huarui. Guo, Huarui. Guo, Qiang. Wu, Jinqyi. Liao, Zenqwei. Liu, Na. Wang, Yan. Liu, Yule. Plant G proteins interact with ER luminal protein receptors to regulate ER retrieval. Journal of Integrative Plant Biology March 23; 10, 1 – 44 (2018).

This article is a primary research article based on the unique abstract and intro formatted such that the abstract is for a summary of the results and the intro provides background information needed to understand the article. The data and methodologies are shown with no interpretation on their methods and data shown with it but later in the results.

This week in class we are discussing Cell Membranes and signal processing, it seems fitting that the article examines how G proteins resolve the signals from the cell membranes to chain react into producing / releasing ions form other parts of the cell such as the smooth ER.