Daniel McDonough

5/1/18

Cell Bio

PLC #8

Article: <https://www.sciencedirect.com/science/article/pii/S0378111918304414?via%3Dihub>

P, Wang. F, Zhao. X, Nie, J. Liu, Z, Yu. Knockdown of NUP160 inhibits cell proliferation, induces apoptosis, autophagy and cell migration, and alters the expression and localization of podocyte associated molecules in mouse podocytes. Gene. Apr 24; 664 (20), 12-21 (2018).

This article is classified as a primary research article based on the unique abstract and intro formatted such that the abstract is for a quick summary of the results methods and conclusions. The intro provides background information needed to understand the intricacies of the thought process and data of the article. The data/results is shown with no interpretation on their methods as it is in its own separate section as the “Discussion”. The data is conducted several times and tested through different methods such as western blotting and qpcr. This article also declares no conflict of interest.

This week in class we presented a variety of topics one of them focusing on apoptosis which also tied into may other presentations namely, the lupus presentation. This article examines a potential inducer for apoptosis by NUP160 knockout. Where genes encoding the actin cytoskeleton, such as ACTN4, INF2, MYO1E also contribute to apoptosis by being inhibited.Through a cascade by knockout of NUP160, the actin cytoskeleton cannot form and promote apoptosis.