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Cell Bio

PLC #2

Article: <https://www.sciencedirect.com/science/article/pii/S1568786410004143?via%3Dihub>

Paddock, M. N. et al. Competition between PARP-1 and Ku70 control the decision between high-fidelity and mutagenic DNA repair. DNA Repair 10, 338–343 (2011).

This article is a primary research article based on the distinguishable contents and flow of the content. For example, the abstract and introduction are separated and different where the abstract gives the summery of the result of the study and the intro gives a background explanation of ideas and concepts that has to be known to understand the data and conclusions the study proposes.

This week in class we are discussing DNA and DNA repair mechanisms, it seems fitting that the article examines how the cell determines to fix it’s DNA. The article covers the use of PARP-1 and Ku70 as a determination mechanism to which action the cell should take in repairing it’s own DNA, and how the amount of the two proteins determine such.