Daniel McDonough

3/30/18

Cell Bio

PLC #3

Article: <https://www.sciencedirect.com/science/article/pii/S0956566315300695>

Martins, Diogo. Levicky, Rastislav. Song, Yong-Ak. Enhancing the speed of morpholino-DNA biosensor by electrokinetic concentration of DNA in a microfluidic chip. Biosensors and Bioelectronics Oct 15; 72, 87-94 (2015).

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 DNA, DNA Damage and the Central Dogma of biology, it seems fitting that the article examines how DNA damage can effect the effectiveness of bio chips with different concentrations and methods of production. The article covers the use of standard hybridization, ICP concentration and ICP hybridization, as measurements of incubation for DNA replication and analysis.