


Chamberlain University College of Nursing

BIOS 251: Anatomy and Physiology Lab

Professor Zille


Week 3 Lab: Cell Membrane and Transport

- 1) This experiment aimed to understand cellular activities aided by examining cell membranes and transport using fluorescence microscopy. It enables us to see the dynamics and structure of cell membranes and the procedures involved in moving molecules across them up close. Knowledge of this is crucial to understanding the basic mechanics behind cellular activity.

- 2) 2 observations I made two observations in the simulation: Aquaporins are a means of transporting water molecules as long as those molecules are transported by aquaporin against an electrochemical gradient. I also observed that some cell membranes selectively allow certain molecules and ions to pass through while it blocks others from doing so.