

# SURGEON SIMULATOR

## VERSION: CANCER

\*ALPHA VERSION\*

### Plot:

You are Doctor Jen Eric and you have been given the case of patient Ken Sergei. He has a malignant tumor growth located deep within his pulmonary circulation. While general surgical techniques can be used to excise the tumor, you decide to utilize a new, less invasive method for the direct delivery of apoptosis-inducing drugs to the tumor in question. As such, you inject a computer controlled DNA nanoship into Mr. Sergei's median cubital vein. Your goal is to navigate through Mr. Sergei's bloodstream in order to directly deliver the cancer drug to the tumor growth. Be careful not to damage Mr. Sergei's health.

### Characters:



DNA Nanoship - Created From DNA Legos, the ship houses a potent apoptosis-inducing drug that can be expelled from the front of the ship



Red Blood Cell



Macrophage



Platelet

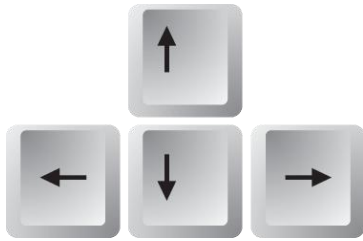


White Blood Cell

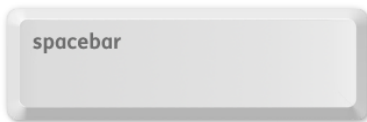


Tumor

## Controls:



Use arrow keys to control the ship



Use spacebar to fire drug

## Scoring:



-100 on collision



-50 on destruction



-10 on destruction



-100 on destruction



No effect on score



Ends Game on  
Destruction

The goal of the simulator is to destroy the malignant tumor growth without damaging the patient's health. As such, destruction of components intrinsic to the patient's body leads to a decrease in score. The simulator will end upon the destruction of the tumor. Scores between 1000 and 2000 are considered ideal, while scores between 0 and 1000 suggests that more training is needed. On the other hand, a negative score value indicates that an excessive amount of damage has been done to the patients health.