Survey on Small Scale Technology for BME

Introduction

Micron and nano scale technologies are of interest because they allow for engineering opportunities and abstractions that require many small components to be actualized. For example, the average human neuron is on the order of tens of microns [1, 3]. This makes the design of neural interfaces more complicated because small objects form deeply connected networks. DNA and other biological structures exist at nanometer scale [2].

Artificial Organelles

Artificial Organelles have the ability to restore certain functionalities within a cell [5]. The study of artificial organelles may be useful for understanding how to design sophisticated biomedical technologies that operate at the cellular level.

References:

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