Abstract

Ongoing development in nanotechnology and bioinformatics will enable the construction of nanorobot which will work at nano-scale. Nanorobot development has many challenges and limitations such as its control and behavior in different environments. In this proposed work we present DNA nanorobot design, methodology for identification of metastatic tumour cells and DNA nanorobot control techniques for its movement in dynamic environment are described using Fuzzy Logic (FL) rules. Proposed model will identify the tumour cells in vivo.

Reference

Identification of Metastatic Tumors by Using DNA Nanorobot: A Fuzzy Logic Approach


Acad. Sci. USA 93, 7690–7694.


Index Terms

Computer Science  Fuzzy Logic

Key words

ATP  DNA Nanorobot

Nanomedicine  Nanorobotics