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

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


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**Index Terms**

Computer Science

Fuzzy Logic

**Key words**

ATP

DNA Nanorobot

Nanomedicine

Nanorobotics