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Immune system in Africa in a global economy

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Biological studies have always constituted a large pool of inspiration for the design of systems. In the last decades, two biological systems have provided a remarkable source of inspiration for the development of new types of algorithms: neural networks and evolutionary algorithms. In recent years, another biological inspired system has attracted the attention of researchers, the immune system and its powerful information processing capabilities. In particular, it performs many complex computations in a highly parallel and distributed fashion. The key features of the immune system are pattern recognition, feature extraction, diversity, learning, memory, self-regulation, distributed detection, probabilistic detection, adaptability, specificity, etc. The mechanisms of the immune system are remarkably complex and poorly understood, even by immunologists. Several theories and mathematical models have been proposed to explain the immunological phenomena. There is also a growing number of computer models to simulate various components of the immune system and the overall behavior from the biological point Biography.

Biography

Segawa Gerald is currently undertaking a Master's Degree at the age of 25 years from Mountains of the Moon University where he volunteers as Student Lecturer. He is the Project director of Reach Young People Uganda Organization, a premier Social work service organization. He has published more than 15 papers in different Newspapers and offered his work to the all continent of Africa.

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