***Prognostic signatures for cancer: A computational biology approach***

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*Abstract:*

*Cancer has become one of the deadliest disease in world. According to the World Health Organisation(WHO) reports of 2020, cancer is the reason for most deaths, reaching nearly 10 million. The most common cancer, especially among women is breast cancer and then ovarian cancer. Therefore, in this paper we try to find ways using computational biology for early detection of cancer. Prognosis has become an important part in medical biology, which helps in finding symptoms, duration of infection and early detection of diseases. Here, we plan to find the prognostic signatures from gene expression data of breast cancer and ovarian cancer, which can then be used as biomarkers, to detect disease. This is done by creating a network module using the gene networks data obtained. We hope to find these markers, which might later help in treatment and detection of cancer.*

*Keywords: cancer, prognosis, network-module, biomarker*