

## Accomplishments

### Dr Sabitha R

Microarray Data Analysis of Cervix, Gastric & Breast Cancer datasets using different in silico tools, computational modelling and docking of fusion proteins such as EWS-FLI1, SYT-SSX1 & 2 to identify small molecule inhibitors and prediction of ADME properties and repositioning of approved drugs for different cancer targets.

### Key Publications:

1. Natarajan A, Thangarajan R, **Kesavan S**. Repurposing drugs by in silico methods to target BCR kinase domain in chronic myeloid leukemia. *Asian Pacific Journal of Cancer Prevention*. 2019;20(11):3399–406.
2. Natarajan V, Ramanathan P, Gopisetty G, Ramachandran B, Thangarajan R, **Kesavan S**. In silico and in vitro screening of small molecule inhibitors against SYT-SSX1 fusion protein in synovial sarcoma. *Computational Biology and Chemistry*. 2018;77:36–43.
3. Pavithra D, Sabitha K, Rajkumar T. Identification of small molecule inhibitors for differentially expressed mirnas in gastric cancer. *Computational Biology and Chemistry*. 2018;77:442–54.
4. **Sabitha K**, Rajkumar T. Identification of small molecule inhibitors against UBE2C by using Docking Studies. *Bioinformation*. 2012;8(21):1047–58. (Corresponding Author)
5. **Sabitha K**. Nilotinib based pharmacophore models for BCR-ABL. *Bioinformation*. 2012;8(14):658–63.

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