1. Identification of tumor antigens that react with sera’s autoantibody of breast cancer patient in primary and advance stage by serologic proteomic analysis (SERPA).
2. Comparison of protein expression pattern in breast cancer patient with different stages by 2D electrophoresis and Mass Spectrometry.
3. Comparative proteomics of tumor and adjacent normal breast tissue In Iranian women younger than 40 years
4. Identification of antibody-inducing proteins in a triple negative breast cancer cell line (Pari-ICR cell line, established in Shiraz Institute for Cancer Research) by using 2D immunoblotting and mass spectrometry.
5. Comparative proteomics analysis of B-cells obtained from patients with chronic lymphocytic leukemia (CLL) versus healthy B-cells.
6. Serum proteomics analysis in patients with tongue squamous cell carcinoma
7. Investigation of Everolimus on Helios expression of Treg cells of spleen in breast cancer mice models.
8. Helios-expressing regulatory T cells frequency in lymph nodes of mice with breast cancer treated with Everolimus.
9. The study of anticancer effects of trypsin inhibitor purified from melon seed extract with emphasis on anti-angiogenesis gene expression change and its comparison with tamoxifen in breast cancer mice.
10. Investigation of IL-37 serum level in patients with bladder cancer, breast cancer and oral squamous cell carcinoma.