

## **The use of insulin and glucose conjugates for targeted therapy of breast cancer.**

### Description for the general public

The research aims to establish a new and effective method of treatment of breast cancer. The therapy includes the use of human hormone- insulin and compounds that are combination of glucose and other active agents. This method is based on biochemical alteration displayed by cancer cells. The use of these hallmarks allows a specific targeted therapy with substances that include glucose in their molecule. The evaluation of this method will include *in vitro* and *in vivo* research. Due to constant rise in incidence and mortality of the breast cancer it is necessary to establish a new approach that will allow a better treatment strategy and prognosis for the patients.