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# IMMUNOLOGICAL CONSIDERATIONS UNDERLYING HEAT SHOCK PROTEIN-MEDIATED CANCER VACCINE STRATEGIES

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## Highlights

- Active immunotherapy has proven effective for the treatment of some types of prostate cancer.
- Combination therapy involving active immunotherapeutic strategies show promising results in clinical trials.
- Heat shock proteins (HSPs) may enhance the immunogenicity of active immunotherapies.
- Overexpression of intracellular and extracellular HSPs may most efficiently exploit their full immunostimulatory potential.

## Abstract

The success of active immunotherapies in the prevention of many infectious diseases over the course of over 200 years has lead scientists to wonder if the same principles could be applied to cancer. Antigen-specific active immunotherapies for the treatment of cancer have been researched for over two decades, however, the overwhelming majority of these studies have

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