## Isolation of high avidity cancer-specific TCRs



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## **SUMMARY**

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CAR T cells have been very successful in the treatment of hematologic malignancies, but many tumor-specific antigens are expressed intracellularly and cannot be targeted by conventional CAR T cells.

This project seeks to develop a novel adoptive cell therapy with a T cell receptor (TCR) against an HLA-A2 restricted epitope of a cancer germline antigen. High avidity cancer-specific TCRs will be isolated and preclinically characterized *in vitro* and *in vivo*.

## **PROJECT GOALS**

- Isolation and *in vitro* evaluation of high avidity cancer-specific TCRs
- Preclinical development in vitro & in vivo completed

## LONG-TERM GOALS

- Perform phase I clinical trial
- License to Biotech / Pharma or Startup foundation