Key questions defining research program:

- How can we best promote anti-tumor immunity in patients with melanoma?
- How can we best promote anti-tumor immunity in patients with hepatocellular cancer?
- How does tumor-secreted alpha fetoprotein impact immune responses in hepatocellular cancer patients?
- What are the biomarkers of an optimal dendritic cell vaccine that promotes effective antitumor immunity?

Key words describing research program:

- Melanoma
- Hepatocellular cancer
- Cancer vaccines
- Cancer immunotherapy
- Immunotherapy biomarkers

Titles for shovel-ready research projects:

- Dendritic cell and adenovirus vaccines for melanoma
- Dendritic cell and adenovirus vaccines for hepatocellular carcinoma
- Immune skewing by alpha fetoprotein

Data sources for shovel-ready research projects:

- UPCI #09-021: Antigen engineered DC vaccine +/- IFNα for melanoma
- Butterfield, L.H. Cancer vaccines. BMJ. 2015 Apr 22;350:h988