Tumor Biomarker for Prognosis of Response to Immunotherapy

OCR Number: OCR 6104

Description:

- Whole-exome sequencing of tumor samples identified a subset of tumors with a disproportionately large number of somatic mutations.
- This hypermutator phenotype is due to somatic mutation in DNA Polymerase epsilon (PolE).
- Tumors with this phenotype and PolE mutation are highly immunogenic (see figure).
- Sequencing of tumor PolE for somatic mutation is an efficient way to select patients who will best respond to immunotherapy.
- A patent application has been filed.

PI: Alessandro Santin

Licensing Contact: Christopher Unsworth
chrisopher.unsworth@yale.edu