



Cryopreserved Head and Neck Cancer Tumorgrafts and Related Cell Strains

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The Wisconsin Alumni Research Foundation (WARF) is seeking commercial partners interested in 23 cryopreserved head and neck cancer tumorgrafts and 10 passaged cell strains from a subset of these tumorgrafts.

Overview

Tumor xenograft mouse models have been created by injecting human cancer cell lines into immune deficient mice. However, when the effects of various interventions on these models are assessed, the results cannot always be translated to real-life situations.

The Invention

UW–Madison researchers have created a series of tumorgrafts from head and neck cancers, as well as cell lines from a subset of these tumorgrafts. Tumorgrafts are established by grafting human tumor samples directly onto mice and then passaging them onto other mice without ever placing them in tissue culture. They are expected to be more representative of actual human tumors than tumor xenograft mouse models.

Applications

- Assessing response of human tumors to various therapeutic interventions

Key Benefits

- Tumorgrafts may better represent cancer behavior.
- Many of the tumorgraft samples regrow to form tumors when thawed.
- Subsets of the tumorgrafts and cell strains have been verified to respond to standard-of-care treatments.

Additional Information

For More Information About the Inventors

- [Paul Harari](#)
- [Randall Kimple](#)

Tech Fields

- [Research Tools : Animal & disease models](#)
- [Research Tools : Cell lines](#)

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