



Modeling High-Malignant Wilms Tumors With Reprogrammed WIT49Cells (WIT49-iPSC) For Therapeutic Intervention

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Inventors: Wei Xu, Gui Ma, Wan-Ju Li

The Invention

UW-Madison researchers have created an animal model for studying Wilms Tumor by using Wilms Tumor cells from patients. The researchers reprogrammed the patient tumor cells into induced pluripotent stem cells. When the iPSCs were transplanted into the kidney capsules in mice, tumors developed, and the tumors metastasized to the lung and liver. The tumors also expressed gene markers indicating their blastemal lineage. This model displays characteristics similar to those observed in physiological Wilms Tumor.

Additional Information

For More Information About the Inventors

- [Wei Xu](#)
- [Wan-Ju Li](#)

Tech Fields

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

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