

Tumor blood vessel protein provides potential therapeutic target

27 August 2014

Tumor blood vessels supply oxygen and nutrients to cancer cells and provide access to other organs. While tumor vasculature shares many features with normal vessels, their unique characteristics are potential therapeutic targets.

A recent study in the *Journal of Clinical Investigation* identifies a tumor vessel-specific protein, L1 that can be targeted to reduce [tumor growth](#).

Using a mouse pancreatic cancer model, Ugo Cavallaro and colleagues at the European Institute of Oncology found that loss of L1 reduced tumor blood vessel formation, which inhibited growth and metastasis. In patients with pancreatic cancer, L1 was present within [tumor blood vessels](#) and not in vessels of healthy tissue.

The results from this study suggest that targeting L1 has potential as a cancer-limiting strategy.

More information: Endothelial deficiency of the adhesion molecule L1 reduces tumor angiogenesis and promotes vessel normalization, *J Clin Invest*. [DOI: 10.1172/JCI70683](https://doi.org/10.1172/JCI70683)

Provided by Journal of Clinical Investigation

APA citation: Tumor blood vessel protein provides potential therapeutic target (2014, August 27) retrieved 15 June 2019 from <https://medicalxpress.com/news/2014-08-tumor-blood-vessel-protein-potential.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.